

FLOKI/S/L/BLACK/V1/2025/DOP

|    |                                                                 |                                                                                                                                |
|----|-----------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------|
| 1. | Niepowtarzalny kod identyfikacyjny typu wyrobu:                 | FLOKI/S/L/BLACK                                                                                                                |
|    | Kategoria wyrobu                                                | Typ BE                                                                                                                         |
| 2. | Zamierzone zastosowanie lub zastosowania:                       | Ogrzewanie pomieszczeń w budynkach                                                                                             |
| 3. | Producent:                                                      | Kratki.pl Marek Bał, Wsola ul. W. Gombrowicza 4, 26-660 Jedlińsk, Polska, 0048483899914, info@kratki.com, www.kratki.com       |
| 4. | Upoważniony przedstawiciel                                      | -                                                                                                                              |
| 5. | System(-y) oceny i weryfikacji stałości właściwości użytkowych: | System 3                                                                                                                       |
| 6. | Zastosowane zharmonizowane specyfikacje techniczne              | EN 16510-2-2:2023-06                                                                                                           |
|    | Sprawozdanie z badań nr.                                        | CUE.4032.071.1.2022.2023.LG037                                                                                                 |
|    | Jednostka lub jednostki notyfikowane                            | 1452 - INSTYTUT ENERGETYKI, ul. Mory 8, 01-330 Warszawa, Polska, 0048223451200, instytut.energetyki@ien.com.pl, www.ien.com.pl |
| 7. | Bezpieczeństwo pożarowe                                         | Spełnia                                                                                                                        |

FLOKI/S/L/BLACK/V1/2025/DOP

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|--------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------|
| 1. Unique identification code of the product type:                       | FLOKI/S/L/BLACK                                                                                                                |
| Product type                                                             | Type BE                                                                                                                        |
| 2. Intended use(s):                                                      | Heating of rooms in buildings                                                                                                  |
| 3. Manufacturer:                                                         | Kratki.pl Marek Bał, Wsola ul. W. Gombrowicza 4, 26-660 Jedlińsk, Polska, 0048483899914, info@kratki.com, www.kratki.com       |
| 4. Authorised representative                                             | -                                                                                                                              |
| 5. System(s) of assessment and verification of constancy of performance: | System 3                                                                                                                       |
| 6. Harmonised technical specifications used                              | EN 16510-2-2:2023-06                                                                                                           |
| Test report no.                                                          | CUE.4032.071.1.2022.2023.LG037                                                                                                 |
| Notified body/ies                                                        | 1452 - INSTYTUT ENERGETYKI, ul. Mory 8, 01-330 Warszawa, Polska, 0048223451200, instytut.energetyki@ien.com.pl, www.ien.com.pl |

|    |                                                 |          |
|----|-------------------------------------------------|----------|
| 7. | Fire safety                                     | Complies |
|    | Mechanical strength of flue gas ducts and flues | Complies |
|    | External surface temperature                    | Complies |
|    | Electrical safety                               | NPD      |
|    | Release of hazardous materials                  | NPD      |

|                              | At nominal heat output                    |     |                   | At part load heat output                   |     |                   |
|------------------------------|-------------------------------------------|-----|-------------------|--------------------------------------------|-----|-------------------|
| Carbon monoxide emissions    | CO <sub>nom</sub> (13% O <sub>2</sub> )   | 911 | mg/m <sup>3</sup> | CO <sub>part</sub> (13% O <sub>2</sub> )   | NPD | mg/m <sup>3</sup> |
| Nitrogen oxides emissions    | NO <sub>x nom</sub> (13% O <sub>2</sub> ) | 108 | mg/m <sup>3</sup> | NO <sub>x part</sub> (13% O <sub>2</sub> ) | NPD | mg/m <sup>3</sup> |
| Hydrocarbons emissions       | OGC <sub>nom</sub> (13% O <sub>2</sub> )  | 75  | mg/m <sup>3</sup> | OGC <sub>part</sub> (13% O <sub>2</sub> )  | NPD | mg/m <sup>3</sup> |
| Particulate matter emissions | PM <sub>nom</sub> (13% O <sub>2</sub> )   | 19  | mg/m <sup>3</sup> | PM <sub>part</sub> (13% O <sub>2</sub> )   | NPD | mg/m <sup>3</sup> |

|                             | At nominal heat output |     |     | At part load heat output |     |     |
|-----------------------------|------------------------|-----|-----|--------------------------|-----|-----|
| Flue gas outlet temperature | T <sub>snom</sub>      | 251 | °C  | T <sub>s part</sub>      | NPD | °C  |
| Minimum chimney draught     | P <sub>nom</sub>       | 13  | Pa  | P <sub>part</sub>        | NPD | Pa  |
| Dry fue gas mass flow rate  | Φ <sub>f,g nom</sub>   | 8.7 | g/s | Φ <sub>f,g part</sub>    | NPD | g/s |

|                                         | At nominal heat output  |      |    | At part load heat output |     |     |
|-----------------------------------------|-------------------------|------|----|--------------------------|-----|-----|
| Heat output                             | P <sub>nom</sub>        | 8    | kW | P <sub>part</sub>        | NPD | kW  |
| Water heat output                       | P <sub>w nom</sub>      | NPD  | kW | P <sub>w part</sub>      | NPD | kW  |
| Seasonal heating efficiency             | η <sub>nom</sub>        | 79.7 | %  | η <sub>part</sub>        | NPD | %   |
| Efficiency                              | η <sub>s</sub>          | 70   | %  |                          |     |     |
| Energy efficiency                       | Energy Efficiency Index |      |    |                          | EEI | 106 |
|                                         | Energy efficiency class |      |    |                          | -   | A   |
| Electricity consumption                 | el <sub>max</sub>       | NPD  | kW | el <sub>min</sub>        | NPD | kW  |
| Electricity consumption in standby mode | el <sub>SB</sub>        |      | kW |                          |     |     |

|                                                                                         |                |      |    |
|-----------------------------------------------------------------------------------------|----------------|------|----|
| Minimum distance from the rear to combustible material                                  | d <sub>R</sub> | 180  | mm |
| Minimum distance from the sides to combustible material                                 | d <sub>S</sub> | 1500 | mm |
| Minimum distance from the top to combustible material in the ceiling                    | d <sub>C</sub> | 800  | mm |
| Minimum distance from the front to combustible material                                 | d <sub>P</sub> | 1500 | mm |
| Minimum distances from the front to combustible material in bottom front radiation area | d <sub>F</sub> | 1500 | mm |
| Minimum distances from the front to combustible material in side front radiation area   | d <sub>L</sub> | NPD  | mm |
| Minimum distance below the bottom (not regarding feet) to combustible material          | d <sub>B</sub> | 0    | mm |

|                              |     |
|------------------------------|-----|
| Environmental sustainability | NPD |
|------------------------------|-----|

The performance of the product identified above is in conformity with the set of declared performance/s. This declaration of performance is issued, in accordance with Regulation (EU) No 305/2011, under the sole responsibility of the manufacturer identified above.

Signed for and on behalf of the manufacturer by:  
Head of the research and development department Sylwester Katwiński

Wsola 2025-11-22

Kierownik  
Zespołu Badawczo-Rozwojowego  
*Katwiński*

## FLOKI/S/L/BLACK/V1/2025/DOP

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|------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------|
| 1. Eindeutiger Identifikationscode des Produkttyps:                    | FLOKI/S/L/BLACK                                                                                                                |
| Produktart                                                             | Typ BE                                                                                                                         |
| 2. Verwendungszweck(e):                                                | Beheizung von Räumen in Gebäuden                                                                                               |
| 3. Hersteller:                                                         | Kratki.pl Marek Bał, Wsola ul. W. Gombrowicza 4, 26-660 Jedlińsk, Polska, 0048483899914, info@kratki.com, www.kratki.com       |
| 4. Bevollmächtigter Vertreter                                          | -                                                                                                                              |
| 5. System(e) zur Bewertung und Überprüfung der Leistungsbeständigkeit: | Anlage 3                                                                                                                       |
| 6. Harmonisierte technische Spezifikationen verwendet                  | EN 16510-2-2:2023-06                                                                                                           |
| Prüfbericht Nr.                                                        | CUE.4032.071.1.2022.2023.LG037                                                                                                 |
| Benannte(r) Stelle(n)                                                  | 1452 - INSTYTUT ENERGETYKI, ul. Mory 8, 01-330 Warszawa, Polska, 0048223451200, instytut.energetyki@ien.com.pl, www.ien.com.pl |

|                                                            |            |
|------------------------------------------------------------|------------|
| 7. Brandschutz                                             | Entspricht |
| Mechanische Festigkeit von Abgaskanälen und Abgasleitungen | Entspricht |
| Äußere Oberflächentemperatur                               | Entspricht |
| Elektrische Sicherheit                                     | NPD        |
| Freisetzung gefährlicher Stoffe                            | NPD        |

|                                    | Bei nominaler Wärmeleistung               |     |                   | Wärmeleistung bei Teillast                 |     |                   |
|------------------------------------|-------------------------------------------|-----|-------------------|--------------------------------------------|-----|-------------------|
| Kohlenmonoxidemissionen            | CO <sub>nom</sub> (13% O <sub>2</sub> )   | 911 | mg/m <sup>3</sup> | CO <sub>part</sub> (13% O <sub>2</sub> )   | NPD | mg/m <sup>3</sup> |
| Stickoxide Emissionen              | NO <sub>x nom</sub> (13% O <sub>2</sub> ) | 108 | mg/m <sup>3</sup> | NO <sub>x part</sub> (13% O <sub>2</sub> ) | NPD | mg/m <sup>3</sup> |
| Emissionen von Kohlenwasserstoffen | OGC <sub>nom</sub> (13% O <sub>2</sub> )  | 75  | mg/m <sup>3</sup> | OGC <sub>part</sub> (13% O <sub>2</sub> )  | NPD | mg/m <sup>3</sup> |
| Emissionen von Partikeln           | PM <sub>nom</sub> (13% O <sub>2</sub> )   | 19  | mg/m <sup>3</sup> | PM <sub>part</sub> (13% O <sub>2</sub> )   | NPD | mg/m <sup>3</sup> |

|                             | Bei nominaler Wärmeleistung |     |     | Wärmeleistung bei Teillast |     |     |
|-----------------------------|-----------------------------|-----|-----|----------------------------|-----|-----|
| Abgasaustrittstemperatur    | T <sub>snom</sub>           | 251 | °C  | T <sub>spart</sub>         | NPD | °C  |
| Mindestzug des Schornsteins | P <sub>nom</sub>            | 13  | Pa  | P <sub>part</sub>          | NPD | Pa  |
| Abgasmassenstrom            | Φ <sub>f,g nom</sub>        | 8.7 | g/s | Φ <sub>f,g part</sub>      | NPD | g/s |

|                                 | Bei nominaler Wärmeleistung |      |    | Wärmeleistung bei Teillast |     |     |
|---------------------------------|-----------------------------|------|----|----------------------------|-----|-----|
| Wärmeleistung                   | P <sub>nom</sub>            | 8    | kW | P <sub>part</sub>          | NPD | kW  |
| Wassererwärmungsleistung        | P <sub>wnom</sub>           | NPD  | kW | P <sub>wpart</sub>         | NPD | kW  |
| saisonale Heizleistung          | η <sub>nom</sub>            | 79.7 | %  | η <sub>part</sub>          | NPD | %   |
| Effizienz                       | η <sub>s</sub>              | 70   | %  |                            |     |     |
| Energieeffizienz                | Energieeffizienzindex       |      |    |                            | EEI | 106 |
|                                 | Energieeffizienzklasse      |      |    |                            | -   | A   |
| Stromverbrauch                  | el <sub>max</sub>           | NPD  | kW | el <sub>min</sub>          | NPD | kW  |
| Stromverbrauch im Standby-Modus | el <sub>SB</sub>            |      | kW |                            |     |     |

|                                                                                                        |                |      |    |
|--------------------------------------------------------------------------------------------------------|----------------|------|----|
| Mindestabstand von der Rückseite zu brennbarem Material                                                | d <sub>R</sub> | 180  | mm |
| Mindestabstand von den Seiten zu brennbarem Material                                                   | d <sub>S</sub> | 1500 | mm |
| Mindestabstand von der Oberkante zu brennbaren Materialien in der Decke                                | d <sub>C</sub> | 800  | mm |
| Mindestabstand von der Vorderseite zu brennbarem Material                                              | d <sub>P</sub> | 1500 | mm |
| Mindestabstände von der Vorderseite zu brennbarem Material im unteren vorderen Strahlungsbereich       | d <sub>F</sub> | 1500 | mm |
| Mindestabstände von der Vorderseite zu brennbaren Materialien im seitlichen vorderen Strahlungsbereich | d <sub>L</sub> | NPD  | mm |
| Mindestabstand unterhalb des Bodens (nicht in Fuß gemessen) zu brennbarem Material                     | d <sub>B</sub> | 0    | mm |

|                                                                                                                                                                                                                                   |     |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|
| Umweltverträglichkeit                                                                                                                                                                                                             | NPD |
| Die Leistung des oben genannten Produkts entspricht den erklärten Leistungen. Diese Leistungserklärung wird gemäß der Verordnung (EU) Nr. 305/2011 unter der alleinigen Verantwortung des oben genannten Herstellers ausgestellt. |     |

Unterzeichnet für und im Namen des Herstellers von:  
Leiter der Forschungs- und Entwicklungsabteilung Sylwester Kalwiński

Kierownik  
Zespołu Badawczo-Rozwojowego  
*Kalwiński*

Wsola 2025-11-22

FLOKI/S/L/BLACK/V1/2025/DOP

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|----------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------|
| 1. Code d'identification unique du type de produit:                              | FLOKI/S/L/BLACK                                                                                                                |
| Type de produit                                                                  | Taper BE                                                                                                                       |
| 2. Utilisation(s) prévue(s):                                                     | Chauffage des locaux dans les bâtiments                                                                                        |
| 3. Fabricant:                                                                    | Kratki.pl Marek Bał, Wsola ul. W. Gombrowicza 4, 26-660 Jedlińsk, Polska, 0048483899914, info@kratki.com, www.kratki.com       |
| 4. Représentant autorisé                                                         | -                                                                                                                              |
| 5. Système(s) d'évaluation et de vérification de la constance des performances : | Système 3                                                                                                                      |
| 6. Spécifications techniques harmonisées utilisées                               | EN 16510-2-2:2023-06                                                                                                           |
| Rapport d'essai n°                                                               | CUE.4032.071.1.2022.2023.LG037                                                                                                 |
| Organisme(s) notifié(s)                                                          | 1452 - INSTYTUT ENERGETYKI, ul. Mory 8, 01-330 Warszawa, Polska, 0048223451200, instytut.energetyki@ien.com.pl, www.ien.com.pl |

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|-------------------------------------------------------------------------|----------|
| 7. Sécurité incendie                                                    | Conforme |
| Résistance mécanique des conduits et des cheminées de gaz de combustion | Conforme |
| Température de surface externe                                          | Conforme |
| Sécurité électrique                                                     | NPD      |
| Déversement de matières dangereuses                                     | NPD      |

|                                  | À puissance thermique nominale            |     |                   | Puissance thermique à charge partielle     |     |                   |
|----------------------------------|-------------------------------------------|-----|-------------------|--------------------------------------------|-----|-------------------|
| émissions de monoxyde de carbone | CO <sub>nom</sub> (13% O <sub>2</sub> )   | 911 | mg/m <sup>3</sup> | CO <sub>part</sub> (13% O <sub>2</sub> )   | NPD | mg/m <sup>3</sup> |
| émissions d'oxydes d'azote       | NO <sub>x nom</sub> (13% O <sub>2</sub> ) | 108 | mg/m <sup>3</sup> | NO <sub>x part</sub> (13% O <sub>2</sub> ) | NPD | mg/m <sup>3</sup> |
| émissions d'hydrocarbures        | OGC <sub>nom</sub> (13% O <sub>2</sub> )  | 75  | mg/m <sup>3</sup> | OGC <sub>part</sub> (13% O <sub>2</sub> )  | NPD | mg/m <sup>3</sup> |
| émissions de particules          | PM <sub>nom</sub> (13% O <sub>2</sub> )   | 19  | mg/m <sup>3</sup> | PM <sub>part</sub> (13% O <sub>2</sub> )   | NPD | mg/m <sup>3</sup> |

|                                       | À puissance thermique nominale |     |     | Puissance thermique à charge partielle |     |     |
|---------------------------------------|--------------------------------|-----|-----|----------------------------------------|-----|-----|
| température de sortie des fumées      | T <sub>s nom</sub>             | 251 | °C  | T <sub>s part</sub>                    | NPD | °C  |
| tirage minimal de cheminée            | P <sub>nom</sub>               | 13  | Pa  | P <sub>part</sub>                      | NPD | Pa  |
| débit massique de gaz combustible sec | Φ <sub>f,g nom</sub>           | 8.7 | g/s | Φ <sub>f,g part</sub>                  | NPD | g/s |

|                                        | À puissance thermique nominale  |      |    | Puissance thermique à charge partielle |     |     |
|----------------------------------------|---------------------------------|------|----|----------------------------------------|-----|-----|
| dégagement de chaleur                  | P <sub>nom</sub>                | 8    | kW | P <sub>part</sub>                      | NPD | kW  |
| production de chaleur de l'eau         | P <sub>w nom</sub>              | NPD  | kW | P <sub>w part</sub>                    | NPD | kW  |
| efficacité de chauffage saisonnière    | η <sub>nom</sub>                | 79.7 | %  | η <sub>part</sub>                      | NPD | %   |
| Efficacité                             | η <sub>s</sub>                  | 70   | %  |                                        |     |     |
| efficacité énergétique                 | Indice d'efficacité énergétique |      |    |                                        | EEI | 106 |
|                                        | classe d'efficacité énergétique |      |    |                                        | -   | A   |
| Consommation d'électricité             | el <sub>max</sub>               | NPD  | kW | el <sub>min</sub>                      | NPD | kW  |
| Consommation électrique en mode veille | el <sub>SB</sub>                |      | kW |                                        |     |     |

|                                                                                                              |                |      |    |
|--------------------------------------------------------------------------------------------------------------|----------------|------|----|
| Distance minimale entre l'arrière et le matériau combustible                                                 | d <sub>R</sub> | 180  | mm |
| Distance minimale entre les côtés et le matériau combustible                                                 | d <sub>S</sub> | 1500 | mm |
| Distance minimale entre le haut du plafond et les matériaux combustibles.                                    | d <sub>C</sub> | 800  | mm |
| Distance minimale entre l'avant et le matériau combustible                                                   | d <sub>P</sub> | 1500 | mm |
| Distances minimales entre l'avant et les matériaux combustibles dans la zone de rayonnement avant inférieure | d <sub>F</sub> | 1500 | mm |
| Distances minimales entre l'avant et les matériaux combustibles dans la zone de rayonnement latérale avant   | d <sub>L</sub> | NPD  | mm |
| Distance minimale sous le fond (et non en pieds) par rapport au matériau combustible                         | d <sub>B</sub> | 0    | mm |

|                             |     |
|-----------------------------|-----|
| durabilité environnementale | NPD |
|-----------------------------|-----|

Les performances du produit identifié ci-dessus sont conformes à l'ensemble des performances déclarées. Cette déclaration de performance est établie, conformément au règlement (UE) n° 305/2011, sous la seule responsabilité du fabricant identifié ci-dessus.

Signé pour et au nom du fabricant par :  
Sylwester Kałwiński, chef du département de recherche et développement

Kierownik  
Zespołu Badawczo-Rozwojowego  
*Kałwiński*

Wsola 2025-11-22

## FLOKI/S/L/BLACK/V1/2025/DOP

|    |                                                                        |                                                                                                                                |
|----|------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------|
| 1. | Codice identificativo univoco del tipo di prodotto:                    | FLOKI/S/L/BLACK                                                                                                                |
|    | Tipo di prodotto                                                       | Tipo BE                                                                                                                        |
| 2. | Uso/i previsto/i:                                                      | Riscaldamento degli ambienti negli edifici                                                                                     |
| 3. | Produttore:                                                            | Kratki.pl Marek Bał, Wsola ul. W. Gombrowicza 4, 26-660 Jedliński, Polska, 0048483899914, info@kratki.com, www.kratki.com      |
| 4. | Rappresentante autorizzato                                             | -                                                                                                                              |
| 5. | Sistema(i) di valutazione e verifica della costanza della prestazione: | Sistema 3                                                                                                                      |
| 6. | Specifiche tecniche armonizzate utilizzate                             | EN 16510-2-2:2023-06                                                                                                           |
|    | Rapporto di prova n.                                                   | CUE.4032.071.1.2022.2023.LG037                                                                                                 |
|    | Organismo/i notificato/i                                               | 1452 - INSTYTUT ENERGETYKI, ul. Mory 8, 01-330 Warszawa, Polska, 0048223451200, instytut.energetyki@ien.com.pl, www.ien.com.pl |

|    |                                                                            |          |
|----|----------------------------------------------------------------------------|----------|
| 7. | Sicurezza antincendio                                                      | Conforme |
|    | Resistenza meccanica dei condotti dei gas di scarico e delle canne fumarie | Conforme |
|    | Temperatura della superficie esterna                                       | Conforme |
|    | Sicurezza elettrica                                                        | NPD      |
|    | Rilascio di materiali pericolosi                                           | NPD      |

|                                    | Alla potenza termica nominale             |     |                   | A carico parziale potenza termica          |     |                   |
|------------------------------------|-------------------------------------------|-----|-------------------|--------------------------------------------|-----|-------------------|
| Emissioni di monossido di carbonio | CO <sub>nom</sub> (13% O <sub>2</sub> )   | 911 | mg/m <sup>3</sup> | CO <sub>part</sub> (13% O <sub>2</sub> )   | NPD | mg/m <sup>3</sup> |
| Emissioni di ossidi di azoto       | NO <sub>x nom</sub> (13% O <sub>2</sub> ) | 108 | mg/m <sup>3</sup> | NO <sub>x part</sub> (13% O <sub>2</sub> ) | NPD | mg/m <sup>3</sup> |
| Emissioni di idrocarburi           | OGC <sub>nom</sub> (13% O <sub>2</sub> )  | 75  | mg/m <sup>3</sup> | OGC <sub>part</sub> (13% O <sub>2</sub> )  | NPD | mg/m <sup>3</sup> |
| Emissioni di particolato           | PM <sub>nom</sub> (13% O <sub>2</sub> )   | 19  | mg/m <sup>3</sup> | PM <sub>part</sub> (13% O <sub>2</sub> )   | NPD | mg/m <sup>3</sup> |

|                                             | Alla potenza termica nominale |     |     | A carico parziale potenza termica |     |     |
|---------------------------------------------|-------------------------------|-----|-----|-----------------------------------|-----|-----|
| Temperatura di uscita del fumo              | T <sub>snom</sub>             | 251 | °C  | T <sub>spart</sub>                | NPD | °C  |
| Tiraggio minimo della canna fumaria         | P <sub>nom</sub>              | 13  | Pa  | P <sub>part</sub>                 | NPD | Pa  |
| Portata di massa del gas combustibile secco | Φ <sub>f,g nom</sub>          | 8.7 | g/s | Φ <sub>f,g part</sub>             | NPD | g/s |

|                                                  | Alla potenza termica nominale   |      |    | A carico parziale potenza termica |     |     |
|--------------------------------------------------|---------------------------------|------|----|-----------------------------------|-----|-----|
| potenza termica                                  | P <sub>nom</sub>                | 8    | kW | P <sub>part</sub>                 | NPD | kW  |
| Potenza termica dell'acqua                       | P <sub>wnom</sub>               | NPD  | kW | P <sub>wpart</sub>                | NPD | kW  |
| Efficienza di riscaldamento stagionale           | η <sub>nom</sub>                | 79.7 | %  | η <sub>part</sub>                 | NPD | %   |
| Efficienza                                       | η <sub>s</sub>                  | 70   | %  |                                   |     |     |
| Efficienza energetica                            | Indice di efficienza energetica |      |    |                                   | EEI | 106 |
|                                                  | Classe di efficienza energetica |      |    |                                   | -   | A   |
| Consumo di elettricità                           | el <sub>max</sub>               | NPD  | kW | el <sub>min</sub>                 | NPD | kW  |
| Consumo di energia elettrica in modalità standby | el <sub>SB</sub>                |      | kW |                                   |     |     |

|                                                                                                            |                |      |    |
|------------------------------------------------------------------------------------------------------------|----------------|------|----|
| Distanza minima dalla parte posteriore al materiale combustibile                                           | d <sub>R</sub> | 180  | mm |
| Distanza minima dai lati al materiale combustibile                                                         | d <sub>S</sub> | 1500 | mm |
| Distanza minima dalla parte superiore al materiale combustibile nel soffitto                               | d <sub>C</sub> | 800  | mm |
| Distanza minima dalla parte anteriore al materiale combustibile                                            | d <sub>P</sub> | 1500 | mm |
| Distanze minime dalla parte anteriore al materiale combustibile nell'area di radiazione frontale inferiore | d <sub>F</sub> | 1500 | mm |
| Distanze minime dalla parte anteriore al materiale combustibile nell'area di radiazione frontale laterale  | d <sub>L</sub> | NPD  | mm |
| Distanza minima dal fondo (esclusi i piedi) al materiale combustibile                                      | d <sub>B</sub> | 0    | mm |

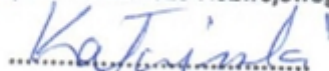
|                          |     |
|--------------------------|-----|
| Sostenibilità ambientale | NPD |
|--------------------------|-----|

La prestazione del prodotto sopra identificato è conforme all'insieme delle prestazioni dichiarate. La presente dichiarazione di prestazione è rilasciata, in conformità al Regolamento (UE) n. 305/2011, sotto la sola responsabilità del fabbricante sopra identificato.

Firmato a nome e per conto del produttore da:

Responsabile del dipartimento di ricerca e sviluppo Sylwester Kałwiński

Wsola 2025-11-22

Kierownik  
Zespołu Badawczo-Rozwojowego  


FLOKI/S/L/BLACK/V1/2025/DOP

|                                                                                                                                                                                                                      |                                                                                                                                |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------|
| 1. Jedinečný identifikační kód typu produktu:                                                                                                                                                                        | FLOKI/S/L/BLACK                                                                                                                |
| Typ produktu                                                                                                                                                                                                         | Typ BE                                                                                                                         |
| 2. Zamýšlené použití:                                                                                                                                                                                                | Vytápění místností v budovách                                                                                                  |
| 3. Výrobce:                                                                                                                                                                                                          | Kratki.pl Marek Bał, Wsola ul. W. Gombrowicza 4, 26-660 Jedlińsk, Polska, 0048483899914, info@kratki.com, www.kratki.com       |
| 4. Zplnomocněný zástupce                                                                                                                                                                                             | -                                                                                                                              |
| 5. Systém(y) posuzování a ověřování stálosti vlastností:                                                                                                                                                             | Systém 3                                                                                                                       |
| 6. Použité harmonizované technické specifikace                                                                                                                                                                       | EN 16510-2-2:2023-06                                                                                                           |
| Zkušební protokol č.                                                                                                                                                                                                 | CUE.4032.071.1.2022.2023.LG037                                                                                                 |
| Notifikovaná osoba/y                                                                                                                                                                                                 | 1452 - INSTYTUT ENERGETYKI, ul. Mory 8, 01-330 Warszawa, Polska, 0048223451200, instytut.energetyki@ien.com.pl, www.ien.com.pl |
| 7.                                                                                                                                                                                                                   |                                                                                                                                |
| Požární bezpečnost                                                                                                                                                                                                   | Vyhovuje                                                                                                                       |
| Mechanická pevnost kouřovodů a kouřovodů                                                                                                                                                                             | Vyhovuje                                                                                                                       |
| Vnější povrchová teplota                                                                                                                                                                                             | Vyhovuje                                                                                                                       |
| Elektrická bezpečnost                                                                                                                                                                                                | NPD                                                                                                                            |
| Uvolňování nebezpečných látek                                                                                                                                                                                        | NPD                                                                                                                            |
|                                                                                                                                                                                                                      |                                                                                                                                |
| Při jmenovitém tepelném výkonu                                                                                                                                                                                       |                                                                                                                                |
| Emise oxidu uhelnatého                                                                                                                                                                                               | CO <sub>nom</sub> (13% O <sub>2</sub> ) 911 mg/m <sup>3</sup>                                                                  |
| Emise oxidů dusíku                                                                                                                                                                                                   | NO <sub>x nom</sub> (13% O <sub>2</sub> ) 108 mg/m <sup>3</sup>                                                                |
| Emise uhlovodíků                                                                                                                                                                                                     | OGC <sub>nom</sub> (13% O <sub>2</sub> ) 75 mg/m <sup>3</sup>                                                                  |
| Emise pevných částic                                                                                                                                                                                                 | PM <sub>nom</sub> (13% O <sub>2</sub> ) 19 mg/m <sup>3</sup>                                                                   |
|                                                                                                                                                                                                                      |                                                                                                                                |
| Při částečném zatížení tepelného výkonu                                                                                                                                                                              |                                                                                                                                |
| CO <sub>part</sub> (13% O <sub>2</sub> )                                                                                                                                                                             | NPD mg/m <sup>3</sup>                                                                                                          |
| NO <sub>x part</sub> (13% O <sub>2</sub> )                                                                                                                                                                           | NPD mg/m <sup>3</sup>                                                                                                          |
| OGC <sub>part</sub> (13% O <sub>2</sub> )                                                                                                                                                                            | NPD mg/m <sup>3</sup>                                                                                                          |
| PM <sub>part</sub> (13% O <sub>2</sub> )                                                                                                                                                                             | NPD mg/m <sup>3</sup>                                                                                                          |
|                                                                                                                                                                                                                      |                                                                                                                                |
| Při jmenovitém tepelném výkonu                                                                                                                                                                                       |                                                                                                                                |
| Teplota výstupu spalin                                                                                                                                                                                               | T <sub>snom</sub> 251 °C                                                                                                       |
| Minimální tah komína                                                                                                                                                                                                 | P <sub>nom</sub> 13 Pa                                                                                                         |
| Hmotnostní průtok suchého spalínového plynu                                                                                                                                                                          | Φ <sub>f,g nom</sub> 8.7 g/s                                                                                                   |
|                                                                                                                                                                                                                      |                                                                                                                                |
| Při částečném zatížení tepelného výkonu                                                                                                                                                                              |                                                                                                                                |
| T <sub>spart</sub>                                                                                                                                                                                                   | NPD °C                                                                                                                         |
| P <sub>part</sub>                                                                                                                                                                                                    | NPD Pa                                                                                                                         |
| Φ <sub>f,g part</sub>                                                                                                                                                                                                | NPD g/s                                                                                                                        |
|                                                                                                                                                                                                                      |                                                                                                                                |
| Při jmenovitém tepelném výkonu                                                                                                                                                                                       |                                                                                                                                |
| Tepelný výkon                                                                                                                                                                                                        | P <sub>nom</sub> 8 kW                                                                                                          |
| Tepelný výkon vody                                                                                                                                                                                                   | P <sub>wnom</sub> NPD kW                                                                                                       |
| Sezónní účinnost vytápění                                                                                                                                                                                            | η <sub>nom</sub> 79.7 %                                                                                                        |
| Účinnost                                                                                                                                                                                                             | η <sub>s</sub> 70 %                                                                                                            |
| Energetická účinnost                                                                                                                                                                                                 | Index energetické účinnosti EEI 106                                                                                            |
|                                                                                                                                                                                                                      | Třída energetické účinnosti - A                                                                                                |
| Spotřeba elektřiny                                                                                                                                                                                                   | el <sub>max</sub> NPD kW                                                                                                       |
| Spotřeba elektřiny v pohotovostním režimu                                                                                                                                                                            | el <sub>SB</sub> kW                                                                                                            |
|                                                                                                                                                                                                                      |                                                                                                                                |
| Při částečném zatížení tepelného výkonu                                                                                                                                                                              |                                                                                                                                |
| P <sub>part</sub>                                                                                                                                                                                                    | NPD kW                                                                                                                         |
| P <sub>wpart</sub>                                                                                                                                                                                                   | NPD kW                                                                                                                         |
| η <sub>part</sub>                                                                                                                                                                                                    | NPD %                                                                                                                          |
|                                                                                                                                                                                                                      |                                                                                                                                |
| Minimální vzdálenost od zadní části k hořlavému materiálu                                                                                                                                                            | d <sub>R</sub> 180 mm                                                                                                          |
| Minimální vzdálenost od boků k hořlavému materiálu                                                                                                                                                                   | d <sub>S</sub> 1500 mm                                                                                                         |
| Minimální vzdálenost od horního stropu k hořlavému materiálu ve stropě                                                                                                                                               | d <sub>C</sub> 800 mm                                                                                                          |
| Minimální vzdálenost od přední strany k hořlavému materiálu                                                                                                                                                          | d <sub>P</sub> 1500 mm                                                                                                         |
| Minimální vzdálenosti od přední strany k hořlavému materiálu v oblasti záření v dolní přední části                                                                                                                   | d <sub>F</sub> 1500 mm                                                                                                         |
| Minimální vzdálenosti od čelní strany k hořlavému materiálu v boční čelní radiační oblasti                                                                                                                           | d <sub>L</sub> NPD mm                                                                                                          |
| Minimální vzdálenost pod dnem (bez ohledu na nohy) od hořlavého materiálu                                                                                                                                            | d <sub>B</sub> 0 mm                                                                                                            |
|                                                                                                                                                                                                                      |                                                                                                                                |
| Environmentální udržitelnost                                                                                                                                                                                         | NPD                                                                                                                            |
| Výše uvedené vlastnosti výrobku jsou v souladu se souborem deklarovaných vlastností. Toto prohlášení o vlastnostech se vydává v souladu s nařízením (EU) č. 305/2011 na výhradní odpovědnost výrobce uvedeného výše. |                                                                                                                                |

Podepsáno za výrobce a jeho jménem:  
Vedoucí oddělení výzkumu a vývoje Sylwester Katwiński

Kierownik  
Zespołu Badawczo-Rozwojowego  
*Katwiński*

Wsola 2025-11-22

FLOKI/S/L/BLACK/V1/2025/DOP

|    |                                                                                                                                                                                                                                           |                                                                                                                                |      |                   |                                            |                       |  |
|----|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------|------|-------------------|--------------------------------------------|-----------------------|--|
| 1. | A terméktípus egyedi azonosító kódja:                                                                                                                                                                                                     | FLOKI/S/L/BLACK                                                                                                                |      |                   |                                            |                       |  |
|    | Terméktípus                                                                                                                                                                                                                               | Típus BE                                                                                                                       |      |                   |                                            |                       |  |
| 2. | Rendeltetésszerű felhasználás(ok):                                                                                                                                                                                                        | Épületek helyiségeinek fűtése                                                                                                  |      |                   |                                            |                       |  |
| 3. | Gyártó:                                                                                                                                                                                                                                   | Kratki.pl Marek Bał, Wsola ul. W. Gombrowicza 4, 26-660 Jedlińsk, Polska, 0048483899914, info@kratki.com, www.kratki.com       |      |                   |                                            |                       |  |
| 4. | Meghatalmazott képviselő                                                                                                                                                                                                                  | -                                                                                                                              |      |                   |                                            |                       |  |
| 5. | A teljesítményállandóság értékelésének és ellenőrzésének rendszere(i):                                                                                                                                                                    | 3. rendszer                                                                                                                    |      |                   |                                            |                       |  |
| 6. | Alkalmazott harmonizált műszaki előírások                                                                                                                                                                                                 | EN 16510-2-2:2023-06                                                                                                           |      |                   |                                            |                       |  |
|    | Vizsgálati jelentés száma                                                                                                                                                                                                                 | CUE.4032.071.1.2022.2023.LG037                                                                                                 |      |                   |                                            |                       |  |
|    | Bejelentett szervezet(ek).                                                                                                                                                                                                                | 1452 - INSTYTUT ENERGETYKI, ul. Mory 8, 01-330 Warszawa, Polska, 0048223451200, instytut.energetyki@ien.com.pl, www.ien.com.pl |      |                   |                                            |                       |  |
| 7. | Tűzbiztonság                                                                                                                                                                                                                              | Megfelel                                                                                                                       |      |                   |                                            |                       |  |
|    | Füstgázcatornák és füstcsövek mechanikai szilárdsága                                                                                                                                                                                      | Megfelel                                                                                                                       |      |                   |                                            |                       |  |
|    | Külső felületi hőmérséklet                                                                                                                                                                                                                | Megfelel                                                                                                                       |      |                   |                                            |                       |  |
|    | Elektromos biztonság                                                                                                                                                                                                                      | NPD                                                                                                                            |      |                   |                                            |                       |  |
|    | Veszélyes anyagok kibocsátása                                                                                                                                                                                                             | NPD                                                                                                                            |      |                   |                                            |                       |  |
|    |                                                                                                                                                                                                                                           |                                                                                                                                |      |                   |                                            |                       |  |
|    |                                                                                                                                                                                                                                           |                                                                                                                                |      |                   |                                            |                       |  |
|    | Szén-monoxid-kibocsátás                                                                                                                                                                                                                   | Névleges hőteljesítményen                                                                                                      |      |                   | Részleges terhelésű hőteljesítménynél      |                       |  |
|    |                                                                                                                                                                                                                                           | CO <sub>nom</sub> (13% O <sub>2</sub> )                                                                                        | 911  | mg/m <sup>3</sup> | CO <sub>part</sub> (13% O <sub>2</sub> )   | NPD mg/m <sup>3</sup> |  |
|    | Nitrogén-oxid kibocsátás                                                                                                                                                                                                                  | NO <sub>x nom</sub> (13% O <sub>2</sub> )                                                                                      | 108  | mg/m <sup>3</sup> | NO <sub>x part</sub> (13% O <sub>2</sub> ) | NPD mg/m <sup>3</sup> |  |
|    | Szénhidrogén kibocsátás                                                                                                                                                                                                                   | OGC <sub>nom</sub> (13% O <sub>2</sub> )                                                                                       | 75   | mg/m <sup>3</sup> | OGC <sub>part</sub> (13% O <sub>2</sub> )  | NPD mg/m <sup>3</sup> |  |
|    | Részecsk kibocsátás                                                                                                                                                                                                                       | PM <sub>nom</sub> (13% O <sub>2</sub> )                                                                                        | 19   | mg/m <sup>3</sup> | PM <sub>part</sub> (13% O <sub>2</sub> )   | NPD mg/m <sup>3</sup> |  |
|    |                                                                                                                                                                                                                                           |                                                                                                                                |      |                   |                                            |                       |  |
|    |                                                                                                                                                                                                                                           |                                                                                                                                |      |                   |                                            |                       |  |
|    |                                                                                                                                                                                                                                           |                                                                                                                                |      |                   |                                            |                       |  |
|    | Füstgáz kimeneti hőmérséklet                                                                                                                                                                                                              | Névleges hőteljesítményen                                                                                                      |      |                   | Részleges terhelésű hőteljesítménynél      |                       |  |
|    |                                                                                                                                                                                                                                           | T <sub>snom</sub>                                                                                                              | 251  | °C                | T <sub>spart</sub>                         | NPD °C                |  |
|    | Minimális kéményhuzat                                                                                                                                                                                                                     | P <sub>nom</sub>                                                                                                               | 13   | Pa                | P <sub>part</sub>                          | NPD Pa                |  |
|    | Száraz füstgáz tömegárama                                                                                                                                                                                                                 | Φ <sub>f,g nom</sub>                                                                                                           | 8.7  | g/s               | Φ <sub>f,g part</sub>                      | NPD g/s               |  |
|    |                                                                                                                                                                                                                                           |                                                                                                                                |      |                   |                                            |                       |  |
|    |                                                                                                                                                                                                                                           |                                                                                                                                |      |                   |                                            |                       |  |
|    |                                                                                                                                                                                                                                           |                                                                                                                                |      |                   |                                            |                       |  |
|    | Hőteljesítmény                                                                                                                                                                                                                            | Névleges hőteljesítményen                                                                                                      |      |                   | Részleges terhelésű hőteljesítménynél      |                       |  |
|    |                                                                                                                                                                                                                                           | P <sub>nom</sub>                                                                                                               | 8    | kW                | P <sub>part</sub>                          | NPD kW                |  |
|    | Víz hőteljesítménye                                                                                                                                                                                                                       | P <sub>wnom</sub>                                                                                                              | NPD  | kW                | P <sub>wpart</sub>                         | NPD kW                |  |
|    | Szezonális fűtési hatékonyság                                                                                                                                                                                                             | η <sub>nom</sub>                                                                                                               | 79.7 | %                 | η <sub>part</sub>                          | NPD %                 |  |
|    | Hatékonyság                                                                                                                                                                                                                               | η <sub>s</sub>                                                                                                                 | 70   | %                 |                                            |                       |  |
|    | Energiahatékonyság                                                                                                                                                                                                                        | Energiahatékonysági index                                                                                                      |      |                   | EEI 106                                    |                       |  |
|    |                                                                                                                                                                                                                                           | Energiahatékonysági osztály                                                                                                    |      |                   | - A                                        |                       |  |
|    | Áramfogyasztás                                                                                                                                                                                                                            | e <sub>l,max</sub>                                                                                                             | NPD  | kW                | e <sub>l,min</sub>                         | NPD kW                |  |
|    | Áramfogyasztás készenléti üzemmódban                                                                                                                                                                                                      | e <sub>l,sB</sub>                                                                                                              |      | kW                |                                            |                       |  |
|    |                                                                                                                                                                                                                                           |                                                                                                                                |      |                   |                                            |                       |  |
|    | Minimális távolság hátulról az éghető anyagtól                                                                                                                                                                                            |                                                                                                                                |      |                   | d <sub>R</sub>                             | 180 mm                |  |
|    | Minimális távolság az éghető anyagtól az oldalaktól                                                                                                                                                                                       |                                                                                                                                |      |                   | d <sub>S</sub>                             | 1500 mm               |  |
|    | Minimális távolság a mennyezet tetejétől az éghető anyagig                                                                                                                                                                                |                                                                                                                                |      |                   | d <sub>C</sub>                             | 800 mm                |  |
|    | Minimális távolság az elejétől az éghető anyagig                                                                                                                                                                                          |                                                                                                                                |      |                   | d <sub>P</sub>                             | 1500 mm               |  |
|    | Minimális távolságok az elülső résztől az éghető anyagig az alsó elülső sugárzási területen                                                                                                                                               |                                                                                                                                |      |                   | d <sub>F</sub>                             | 1500 mm               |  |
|    | Minimális távolságok az éghető anyagtól az oldalsó elülső sugárzási területen                                                                                                                                                             |                                                                                                                                |      |                   | d <sub>L</sub>                             | NPD mm                |  |
|    | Minimális távolság az alj alatt (a lábakat nem számítva) az éghető anyagtól                                                                                                                                                               |                                                                                                                                |      |                   | d <sub>B</sub>                             | 0 mm                  |  |
|    |                                                                                                                                                                                                                                           |                                                                                                                                |      |                   |                                            |                       |  |
|    | Környezeti fenntarthatóság                                                                                                                                                                                                                | NPD                                                                                                                            |      |                   |                                            |                       |  |
|    | A fent meghatározott termék teljesítménye megfelel a bejelentett teljesítmény(ek) készletének. Ez a teljesítménynyilatkozat kiadása a 305/2011/EU rendelettel összhangban a fent meghatározott gyártó kizárólagos felelősségére történik. |                                                                                                                                |      |                   |                                            |                       |  |

gyártó nevében és nevében írta alá:  
Sylwester Kałwiński, a kutatási és fejlesztési osztály vezetője

Kierownik  
Zespołu Badawczo-Rozwojowego  
*Kałwiński*

Wsola 2025-11-22

FLOKI/S/L/BLACK/V1/2025/DOP

|                                                                                                                                                                                                                                                                                       |                                                                                                         |                                                                                                                                |      |                   |                                            |                       |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------|------|-------------------|--------------------------------------------|-----------------------|
| 1.                                                                                                                                                                                                                                                                                    | Cod unic de identificare al tipului de produs:                                                          | FLOKI/S/L/BLACK                                                                                                                |      |                   |                                            |                       |
|                                                                                                                                                                                                                                                                                       | Tipul de produs                                                                                         | Tip BE                                                                                                                         |      |                   |                                            |                       |
| 2.                                                                                                                                                                                                                                                                                    | Utilizare(e) prevăzută(e):                                                                              | Încălzirea camerelor din clădiri                                                                                               |      |                   |                                            |                       |
| 3.                                                                                                                                                                                                                                                                                    | Producător:                                                                                             | Kratki.pl Marek Bał, Wsola ul. W. Gombrowicza 4, 26-660 Jedlińsk, Polska, 0048483899914, info@kratki.com, www.kratki.com       |      |                   |                                            |                       |
| 4.                                                                                                                                                                                                                                                                                    | Reprezentant autorizat                                                                                  | -                                                                                                                              |      |                   |                                            |                       |
| 5.                                                                                                                                                                                                                                                                                    | Sistem(e) de evaluare și verificare a constanței performanței:                                          | Sistemul 3                                                                                                                     |      |                   |                                            |                       |
| 6.                                                                                                                                                                                                                                                                                    | Specificații tehnice armonizate utilizate                                                               | EN 16510-2-2:2023-06                                                                                                           |      |                   |                                            |                       |
|                                                                                                                                                                                                                                                                                       | Raport de testare nr.                                                                                   | CUE.4032.071.1.2022.2023.LG037                                                                                                 |      |                   |                                            |                       |
|                                                                                                                                                                                                                                                                                       | Organisme notificate                                                                                    | 1452 - INSTYTUT ENERGETYKI, ul. Mory 8, 01-330 Warszawa, Polska, 0048223451200, instytut.energetyki@ien.com.pl, www.ien.com.pl |      |                   |                                            |                       |
| 7.                                                                                                                                                                                                                                                                                    |                                                                                                         |                                                                                                                                |      |                   |                                            |                       |
|                                                                                                                                                                                                                                                                                       | Siguranța la incendiu                                                                                   | Se conformează                                                                                                                 |      |                   |                                            |                       |
|                                                                                                                                                                                                                                                                                       | Rezistența mecanică a conductelor de gaze arse și a coșurilor de fum                                    | Se conformează                                                                                                                 |      |                   |                                            |                       |
|                                                                                                                                                                                                                                                                                       | Temperatura suprafeței exterioare                                                                       | Se conformează                                                                                                                 |      |                   |                                            |                       |
|                                                                                                                                                                                                                                                                                       | Siguranța electrică                                                                                     | NPD                                                                                                                            |      |                   |                                            |                       |
|                                                                                                                                                                                                                                                                                       | Eliberarea de materiale periculoase                                                                     | NPD                                                                                                                            |      |                   |                                            |                       |
|                                                                                                                                                                                                                                                                                       |                                                                                                         |                                                                                                                                |      |                   |                                            |                       |
|                                                                                                                                                                                                                                                                                       |                                                                                                         | La puterea termică nominală                                                                                                    |      |                   | La putere termică parțială                 |                       |
|                                                                                                                                                                                                                                                                                       | Emisiile de monoxid de carbon                                                                           | CO <sub>nom</sub> (13% O <sub>2</sub> )                                                                                        | 911  | mg/m <sup>3</sup> | CO <sub>part</sub> (13% O <sub>2</sub> )   | NPD mg/m <sup>3</sup> |
|                                                                                                                                                                                                                                                                                       | Emisiile de oxizi de azot                                                                               | NO <sub>x nom</sub> (13% O <sub>2</sub> )                                                                                      | 108  | mg/m <sup>3</sup> | NO <sub>x part</sub> (13% O <sub>2</sub> ) | NPD mg/m <sup>3</sup> |
|                                                                                                                                                                                                                                                                                       | Emisiile de hidrocarburi                                                                                | OGC <sub>nom</sub> (13% O <sub>2</sub> )                                                                                       | 75   | mg/m <sup>3</sup> | OGC <sub>part</sub> (13% O <sub>2</sub> )  | NPD mg/m <sup>3</sup> |
|                                                                                                                                                                                                                                                                                       | Emisiile de particule                                                                                   | PM <sub>nom</sub> (13% O <sub>2</sub> )                                                                                        | 19   | mg/m <sup>3</sup> | PM <sub>part</sub> (13% O <sub>2</sub> )   | NPD mg/m <sup>3</sup> |
|                                                                                                                                                                                                                                                                                       |                                                                                                         |                                                                                                                                |      |                   |                                            |                       |
|                                                                                                                                                                                                                                                                                       |                                                                                                         | La puterea termică nominală                                                                                                    |      |                   | La putere termică parțială                 |                       |
|                                                                                                                                                                                                                                                                                       | Temperatura de ieșire a gazelor de ardere                                                               | T <sub>snom</sub>                                                                                                              | 251  | °C                | T <sub>spart</sub>                         | NPD °C                |
|                                                                                                                                                                                                                                                                                       | Tracțiune minimă a coșului                                                                              | P <sub>nom</sub>                                                                                                               | 13   | Pa                | P <sub>part</sub>                          | NPD Pa                |
|                                                                                                                                                                                                                                                                                       | Debitul masic al gazului combustibil uscat                                                              | Φ <sub>f,g nom</sub>                                                                                                           | 8.7  | g/s               | Φ <sub>f,g part</sub>                      | NPD g/s               |
|                                                                                                                                                                                                                                                                                       |                                                                                                         |                                                                                                                                |      |                   |                                            |                       |
|                                                                                                                                                                                                                                                                                       |                                                                                                         | La puterea termică nominală                                                                                                    |      |                   | La putere termică parțială                 |                       |
|                                                                                                                                                                                                                                                                                       | Producție termică                                                                                       | P <sub>nom</sub>                                                                                                               | 8    | kW                | P <sub>part</sub>                          | NPD kW                |
|                                                                                                                                                                                                                                                                                       | Producția de căldură a apei                                                                             | P <sub>wnom</sub>                                                                                                              | NPD  | kW                | P <sub>wpart</sub>                         | NPD kW                |
|                                                                                                                                                                                                                                                                                       | Eficiența încălzirii sezoniere                                                                          | η <sub>nom</sub>                                                                                                               | 79.7 | %                 | η <sub>part</sub>                          | NPD %                 |
|                                                                                                                                                                                                                                                                                       | Eficiență                                                                                               | η <sub>s</sub>                                                                                                                 | 70   | %                 |                                            |                       |
|                                                                                                                                                                                                                                                                                       | Eficiență energetică                                                                                    | Indicele de eficiență energetică                                                                                               |      |                   | EEI                                        | 106                   |
|                                                                                                                                                                                                                                                                                       |                                                                                                         | Clasa de eficiență energetică                                                                                                  |      |                   | -                                          | A                     |
|                                                                                                                                                                                                                                                                                       | Consumul de energie electrică                                                                           | e <sub>l,max</sub>                                                                                                             | NPD  | kW                | e <sub>l,min</sub>                         | NPD kW                |
|                                                                                                                                                                                                                                                                                       | Consumul de energie electrică în modul standby                                                          | e <sub>l,SB</sub>                                                                                                              |      | kW                |                                            |                       |
|                                                                                                                                                                                                                                                                                       |                                                                                                         |                                                                                                                                |      |                   |                                            |                       |
|                                                                                                                                                                                                                                                                                       | Distanța minimă din spate până la materialul combustibil                                                |                                                                                                                                |      |                   | d <sub>R</sub>                             | 180 mm                |
|                                                                                                                                                                                                                                                                                       | Distanța minimă de la margini la materialul combustibil                                                 |                                                                                                                                |      |                   | d <sub>S</sub>                             | 1500 mm               |
|                                                                                                                                                                                                                                                                                       | Distanța minimă de la partea superioară până la materialul combustibil din tavan                        |                                                                                                                                |      |                   | d <sub>C</sub>                             | 800 mm                |
|                                                                                                                                                                                                                                                                                       | Distanța minimă de la față la materialul combustibil                                                    |                                                                                                                                |      |                   | d <sub>P</sub>                             | 1500 mm               |
|                                                                                                                                                                                                                                                                                       | Distanțe minime de la partea frontală la materialul combustibil în zona de radiație frontală inferioară |                                                                                                                                |      |                   | d <sub>F</sub>                             | 1500 mm               |
|                                                                                                                                                                                                                                                                                       | Distanțe minime de la partea frontală la materialul combustibil în zona de radiație frontală laterală   |                                                                                                                                |      |                   | d <sub>L</sub>                             | NPD mm                |
|                                                                                                                                                                                                                                                                                       | Distanța minimă de la fund (fără a lua în considerare picioarele) până la materialul combustibil        |                                                                                                                                |      |                   | d <sub>B</sub>                             | 0 mm                  |
|                                                                                                                                                                                                                                                                                       |                                                                                                         |                                                                                                                                |      |                   |                                            |                       |
|                                                                                                                                                                                                                                                                                       | Sustenabilitatea mediului                                                                               | NPD                                                                                                                            |      |                   |                                            |                       |
| Performanța produsului identificat mai sus este în conformitate cu setul de performanță/performanțe declarate. Această declarație de performanță este emisă, în conformitate cu Regulamentul (UE) nr. 305/2011, sub responsabilitatea exclusivă a producătorului identificat mai sus. |                                                                                                         |                                                                                                                                |      |                   |                                            |                       |

Semnat pentru și în numele producătorului de:  
Șeful departamentului de cercetare și dezvoltare Sylwester Kalwiński

Kierownik  
Zespołu Badawczo-Rozwojowego  
*Kalwiński*

Wsola 2025-11-22

FLOKI/S/L/BLACK/V1/2025/DOP

|                                                                                                                                                                                                                                                              |                                                                             |                                                                                                                                |      |                   |                                 |                                            |      |                   |     |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------|------|-------------------|---------------------------------|--------------------------------------------|------|-------------------|-----|
| 1.                                                                                                                                                                                                                                                           | Μοναδικός κωδικός αναγνώρισης του τύπου προϊόντος:                          | FLOKI/S/L/BLACK                                                                                                                |      |                   |                                 |                                            |      |                   |     |
|                                                                                                                                                                                                                                                              | Τύπος προϊόντος                                                             | Τύπος                                                                                                                          | BE   |                   |                                 |                                            |      |                   |     |
| 2.                                                                                                                                                                                                                                                           | Προβλεπόμενη χρήση(ες):                                                     | Θέρμανση δωματίων σε κτίρια                                                                                                    |      |                   |                                 |                                            |      |                   |     |
| 3.                                                                                                                                                                                                                                                           | Κατασκευαστής:                                                              | Kratki.pl Marek Bał, Wsola ul. W. Gombrowicza 4, 26-660 Jedlińsk, Polska, 0048483899914, info@kratki.com, www.kratki.com       |      |                   |                                 |                                            |      |                   |     |
| 4.                                                                                                                                                                                                                                                           | Εξουσιοδοτημένος εκπρόσωπος                                                 | -                                                                                                                              |      |                   |                                 |                                            |      |                   |     |
| 5.                                                                                                                                                                                                                                                           | Σύστημα(α) αξιολόγησης και επαλήθευσης της σταθερότητας της απόδοσης:       | Σύστημα 3                                                                                                                      |      |                   |                                 |                                            |      |                   |     |
| 6.                                                                                                                                                                                                                                                           | Χρησιμοποιούμενες εναρμονισμένες τεχνικές προδιαγραφές Έκθεση δοκιμής αριθ. | EN 16510-2-2:2023-06<br>CUE.4032.071.1.2022.2023.LG037                                                                         |      |                   |                                 |                                            |      |                   |     |
|                                                                                                                                                                                                                                                              | Κοινοποιημένος οργανισμός/οι                                                | 1452 - INSTYTUT ENERGETYKI, ul. Mory 8, 01-330 Warszawa, Polska, 0048223451200, instytut.energetyki@ien.com.pl, www.ien.com.pl |      |                   |                                 |                                            |      |                   |     |
| 7.                                                                                                                                                                                                                                                           | Πυρασφάλεια                                                                 | Συμμορφώνεται                                                                                                                  |      |                   |                                 |                                            |      |                   |     |
|                                                                                                                                                                                                                                                              | Μηχανική αντοχή αγωγών καυσαερίων και καπνοδόχων                            | Συμμορφώνεται                                                                                                                  |      |                   |                                 |                                            |      |                   |     |
|                                                                                                                                                                                                                                                              | Θερμοκρασία εξωτερικής επιφάνειας                                           | Συμμορφώνεται                                                                                                                  |      |                   |                                 |                                            |      |                   |     |
|                                                                                                                                                                                                                                                              | Ηλεκτρική ασφάλεια                                                          | NPD                                                                                                                            |      |                   |                                 |                                            |      |                   |     |
|                                                                                                                                                                                                                                                              | Απελευθέρωση επικινδυνων υλικών                                             | NPD                                                                                                                            |      |                   |                                 |                                            |      |                   |     |
|                                                                                                                                                                                                                                                              |                                                                             | Στην ονομαστική θερμική ισχύ                                                                                                   |      |                   |                                 |                                            |      |                   |     |
|                                                                                                                                                                                                                                                              | Εκπομπές μονοξειδίου του άνθρακα                                            | CO <sub>nom</sub> (13% O <sub>2</sub> )                                                                                        | 911  | mg/m <sup>3</sup> | Σε θερμική ισχύ μερικού φορτίου | CO <sub>part</sub> (13% O <sub>2</sub> )   | NPD  | mg/m <sup>3</sup> |     |
|                                                                                                                                                                                                                                                              | Εκπομπές οξειδίων του αζώτου                                                | NO <sub>x nom</sub> (13% O <sub>2</sub> )                                                                                      | 108  | mg/m <sup>3</sup> |                                 | NO <sub>x part</sub> (13% O <sub>2</sub> ) | NPD  | mg/m <sup>3</sup> |     |
|                                                                                                                                                                                                                                                              | Εκπομπές υδρογονανθράκων                                                    | OGC <sub>nom</sub> (13% O <sub>2</sub> )                                                                                       | 75   | mg/m <sup>3</sup> |                                 | OGC <sub>part</sub> (13% O <sub>2</sub> )  | NPD  | mg/m <sup>3</sup> |     |
|                                                                                                                                                                                                                                                              | Εκπομπές σωματιδίων                                                         | PM <sub>nom</sub> (13% O <sub>2</sub> )                                                                                        | 19   | mg/m <sup>3</sup> |                                 | PM <sub>part</sub> (13% O <sub>2</sub> )   | NPD  | mg/m <sup>3</sup> |     |
|                                                                                                                                                                                                                                                              |                                                                             | Στην ονομαστική θερμική ισχύ                                                                                                   |      |                   | Σε θερμική ισχύ μερικού φορτίου |                                            |      |                   |     |
|                                                                                                                                                                                                                                                              | Θερμοκρασία εξόδου καπνοδόχου                                               | T <sub>snom</sub>                                                                                                              | 251  | °C                |                                 | T <sub>s part</sub>                        | NPD  | °C                |     |
|                                                                                                                                                                                                                                                              | Ελάχιστη έλξη καμινάδας                                                     | P <sub>nom</sub>                                                                                                               | 13   | Pa                |                                 | P <sub>part</sub>                          | NPD  | Pa                |     |
|                                                                                                                                                                                                                                                              | Ρυθμός ροής μάζας ξηρού καυσαερίου                                          | Φ <sub>f,g nom</sub>                                                                                                           | 8.7  | g/s               |                                 | Φ <sub>f,g part</sub>                      | NPD  | g/s               |     |
|                                                                                                                                                                                                                                                              |                                                                             | Στην ονομαστική θερμική ισχύ                                                                                                   |      |                   | Σε θερμική ισχύ μερικού φορτίου |                                            |      |                   |     |
|                                                                                                                                                                                                                                                              | Θερμική ισχύς                                                               | P <sub>nom</sub>                                                                                                               | 8    | kW                |                                 | P <sub>part</sub>                          | NPD  | kW                |     |
|                                                                                                                                                                                                                                                              | Θερμική ισχύς νερού                                                         | P <sub>wnom</sub>                                                                                                              | NPD  | kW                |                                 | P <sub>w part</sub>                        | NPD  | kW                |     |
|                                                                                                                                                                                                                                                              | Εποχιακή απόδοση θέρμανσης                                                  | η <sub>nom</sub>                                                                                                               | 79.7 | %                 |                                 | η <sub>part</sub>                          | NPD  | %                 |     |
|                                                                                                                                                                                                                                                              | Αποδοτικότητα                                                               | η <sub>s</sub>                                                                                                                 | 70   | %                 |                                 |                                            |      |                   |     |
|                                                                                                                                                                                                                                                              | Ενεργειακή απόδοση                                                          | Δείκτης Ενεργειακής Απόδοσης                                                                                                   |      |                   |                                 | EEI                                        |      |                   | 106 |
|                                                                                                                                                                                                                                                              |                                                                             | Κατηγορία ενεργειακής απόδοσης                                                                                                 |      |                   |                                 | -                                          |      |                   | A   |
|                                                                                                                                                                                                                                                              | Κατανάλωση ηλεκτρικής ενέργειας                                             | el <sub>max</sub>                                                                                                              | NPD  | kW                |                                 | el <sub>min</sub>                          | NPD  | kW                |     |
|                                                                                                                                                                                                                                                              | Κατανάλωση ηλεκτρικής ενέργειας σε κατάσταση αναμονής                       | el <sub>SB</sub>                                                                                                               |      | kW                |                                 |                                            |      |                   |     |
|                                                                                                                                                                                                                                                              |                                                                             | Ελάχιστη απόσταση από το πίσω μέρος έως το εύφλεκτο υλικό                                                                      |      |                   |                                 | d <sub>R</sub>                             | 180  | mm                |     |
|                                                                                                                                                                                                                                                              |                                                                             | Ελάχιστη απόσταση από τις πλευρές έως το εύφλεκτο υλικό                                                                        |      |                   |                                 | d <sub>S</sub>                             | 1500 | mm                |     |
|                                                                                                                                                                                                                                                              |                                                                             | Ελάχιστη απόσταση από την κορυφή έως το εύφλεκτο υλικό στην οροφή                                                              |      |                   |                                 | d <sub>C</sub>                             | 800  | mm                |     |
|                                                                                                                                                                                                                                                              |                                                                             | Ελάχιστη απόσταση από το μπροστινό μέρος έως το εύφλεκτο υλικό                                                                 |      |                   |                                 | d <sub>P</sub>                             | 1500 | mm                |     |
|                                                                                                                                                                                                                                                              |                                                                             | Ελάχιστες αποστάσεις από το μπροστινό μέρος έως το εύφλεκτο υλικό στην περιοχή ακτινοβολίας του κάτω μπροστινού μέρους         |      |                   |                                 | d <sub>F</sub>                             | 1500 | mm                |     |
|                                                                                                                                                                                                                                                              |                                                                             | Ελάχιστες αποστάσεις από το μέτωπο έως το εύφλεκτο υλικό στην πλευρική περιοχή ακτινοβολίας του εμπρόσθιου μέρους              |      |                   |                                 | d <sub>L</sub>                             | NPD  | mm                |     |
|                                                                                                                                                                                                                                                              |                                                                             | Ελάχιστη απόσταση κάτω από τον πυθμένα (δεν αφορά τα πόδια) από εύφλεκτο υλικό                                                 |      |                   |                                 | d <sub>B</sub>                             | 0    | mm                |     |
| Περιβαλλοντική βιωσιμότητα                                                                                                                                                                                                                                   |                                                                             | NPD                                                                                                                            |      |                   |                                 |                                            |      |                   |     |
| Η απόδοση του προϊόντος που προσδιορίζεται παραπάνω είναι σύμφωνη με το σύνολο των δηλωμένων επιδόσεων. Αυτή η δήλωση απόδοσης εκδίδεται, σύμφωνα με τον κανονισμό (ΕΕ) αριθ. 305/2011, με αποκλειστική ευθύνη του κατασκευαστή που προσδιορίζεται παραπάνω. |                                                                             |                                                                                                                                |      |                   |                                 |                                            |      |                   |     |

Υπογράφεται για λογαριασμό και για λογαριασμό του κατασκευαστή από:  
Επικεφαλής του τμήματος έρευνας και ανάπτυξης Sylwester Kałwiński

Wsola 2025-11-22

Kierownik  
Zespołu Badawczo-Rozwojowego  
*Kałwiński*

## FLOKI/S/L/BLACK/V1/2025/DOP

|    |                                                                           |                                                                                                                                |
|----|---------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------|
| 1. | Código de identificación único del tipo de producto:                      | FLOKI/S/L/BLACK                                                                                                                |
|    | Tipo de producto                                                          | Tipo BE                                                                                                                        |
| 2. | Uso(s) previsto(s):                                                       | Calefacción de habitaciones en edificios                                                                                       |
| 3. | Fabricante:                                                               | Kratki.pl Marek Bał, Wsola ul. W. Gombrowicza 4, 26-660 Jedliński, Polska, 0048483899914, info@kratki.com, www.kratki.com      |
| 4. | Representante autorizado                                                  | -                                                                                                                              |
| 5. | Sistema(s) de evaluación y verificación de la constancia del rendimiento: | Sistema 3                                                                                                                      |
| 6. | Se utilizaron especificaciones técnicas armonizadas                       | EN 16510-2-2:2023-06                                                                                                           |
|    | Informe de ensayo nº                                                      | CUE.4032.071.1.2022.2023.LG037                                                                                                 |
|    | Organismo(s) notificado(s)                                                | 1452 - INSTYTUT ENERGETYKI, ul. Mory 8, 01-330 Warszawa, Polska, 0048223451200, instytut.energetyki@ien.com.pl, www.ien.com.pl |

|    |                                                                          |        |
|----|--------------------------------------------------------------------------|--------|
| 7. | Seguridad contra incendios                                               | Cumple |
|    | Resistencia mecánica de los conductos y chimeneas de gases de combustión | Cumple |
|    | Temperatura de la superficie externa                                     | Cumple |
|    | Seguridad eléctrica                                                      | NPD    |
|    | Liberación de materiales peligrosos                                      | NPD    |

|                                  |                                                                 |                                                                  |
|----------------------------------|-----------------------------------------------------------------|------------------------------------------------------------------|
|                                  | Con una potencia calorífica nominal                             | Salida de calor a carga parcial                                  |
| emisiones de monóxido de carbono | CO <sub>nom</sub> (13% O <sub>2</sub> ) 911 mg/m <sup>3</sup>   | CO <sub>part</sub> (13% O <sub>2</sub> ) NPD mg/m <sup>3</sup>   |
| emisiones de óxidos de nitrógeno | NO <sub>x nom</sub> (13% O <sub>2</sub> ) 108 mg/m <sup>3</sup> | NO <sub>x part</sub> (13% O <sub>2</sub> ) NPD mg/m <sup>3</sup> |
| emisiones de hidrocarburos       | OGC <sub>nom</sub> (13% O <sub>2</sub> ) 75 mg/m <sup>3</sup>   | OGC <sub>part</sub> (13% O <sub>2</sub> ) NPD mg/m <sup>3</sup>  |
| Emisiones de partículas          | PM <sub>nom</sub> (13% O <sub>2</sub> ) 19 mg/m <sup>3</sup>    | PM <sub>part</sub> (13% O <sub>2</sub> ) NPD mg/m <sup>3</sup>   |

|                                       |                                     |                                 |
|---------------------------------------|-------------------------------------|---------------------------------|
|                                       | Con una potencia calorífica nominal | Salida de calor a carga parcial |
| Temperatura de salida de humos        | T <sub>snom</sub> 251 °C            | T <sub>spart</sub> NPD °C       |
| Tiro mínimo de la chimenea            | P <sub>nom</sub> 13 Pa              | P <sub>part</sub> NPD Pa        |
| caudal másico de gas combustible seco | Φ <sub>f,g nom</sub> 8.7 g/s        | Φ <sub>f,g part</sub> NPD g/s   |

|                                           |                                     |                                 |
|-------------------------------------------|-------------------------------------|---------------------------------|
|                                           | Con una potencia calorífica nominal | Salida de calor a carga parcial |
| Producción de calor                       | P <sub>nom</sub> 8 kW               | P <sub>part</sub> NPD kW        |
| salida de calor del agua                  | P <sub>wnom</sub> NPD kW            | P <sub>wpart</sub> NPD kW       |
| eficiencia de la calefacción estacional   | η <sub>nom</sub> 79.7 %             | η <sub>part</sub> NPD %         |
| Eficiencia                                | η <sub>s</sub> 70 %                 |                                 |
| eficiencia energética                     | Índice de eficiencia energética     | EEI 106                         |
|                                           | clase de eficiencia energética      | - A                             |
| consumo de electricidad                   | el <sub>max</sub> NPD kW            | el <sub>min</sub> NPD kW        |
| Consumo de electricidad en modo de espera | el <sub>SB</sub> kW                 |                                 |

|                                                                                                           |                |         |
|-----------------------------------------------------------------------------------------------------------|----------------|---------|
| Distancia mínima desde la parte trasera al material combustible                                           | d <sub>R</sub> | 180 mm  |
| Distancia mínima desde los laterales al material combustible                                              | d <sub>S</sub> | 1500 mm |
| Distancia mínima desde la parte superior hasta el material combustible en el techo                        | d <sub>C</sub> | 800 mm  |
| Distancia mínima desde la parte frontal al material combustible                                           | d <sub>P</sub> | 1500 mm |
| Distancias mínimas desde el frente hasta el material combustible en la zona de radiación frontal inferior | d <sub>F</sub> | 1500 mm |
| Distancias mínimas desde el frente hasta el material combustible en la zona de radiación frontal lateral  | d <sub>L</sub> | NPD mm  |
| Distancia mínima desde el fondo (sin tener en cuenta los pies) hasta el material combustible              | d <sub>B</sub> | 0 mm    |

|                          |     |
|--------------------------|-----|
| sostenibilidad ambiental | NPD |
|--------------------------|-----|

Las prestaciones del producto identificado anteriormente son conformes con el conjunto de prestaciones declaradas. La presente declaración de prestaciones se emite, de conformidad con el Reglamento (UE) n.º 305/2011, bajo la exclusiva responsabilidad del fabricante identificado anteriormente.

Firmado en nombre y representación del fabricante por:  
Jefe del departamento de investigación y desarrollo Sylwester Kałwiński

Kierownik  
Zespołu Badawczo-Rozwojowego  
*Kałwiński*

Wsola 2025-11-22

## FLOKI/S/L/BLACK/V1/2025/DOP

|                                                                                                                                                                                                                           |                                                                                        |                                                                                                                                |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------|
| 1.                                                                                                                                                                                                                        | Tuotetyypin yksilöllinen tunnistekoodi:                                                | FLOKI/S/L/BLACK                                                                                                                |
|                                                                                                                                                                                                                           | Tuotetyyppi                                                                            | Tyyppi BE                                                                                                                      |
| 2.                                                                                                                                                                                                                        | Käyttötarkoitus:                                                                       | Huoneiden lämmitys rakennuksissa                                                                                               |
| 3.                                                                                                                                                                                                                        | Valmistaja:                                                                            | Kratki.pl Marek Bał, Wsola ul. W. Gombrowicza 4, 26-660 Jedlińsk, Polska, 0048483899914, info@kratki.com, www.kratki.com       |
| 4.                                                                                                                                                                                                                        | Valtuutettu edustaja                                                                   | -                                                                                                                              |
| 5.                                                                                                                                                                                                                        | Suorituskyvyn pysyvyyden arviointi- ja todentamisyjärjestelmä(t):                      | Järjestelmä 3                                                                                                                  |
| 6.                                                                                                                                                                                                                        | Käytetyt yhdenmukaistetut tekniset eritelmät                                           | EN 16510-2-2:2023-06                                                                                                           |
|                                                                                                                                                                                                                           | Testiraportin nro                                                                      | CUE.4032.071.1.2022.2023.LG037                                                                                                 |
|                                                                                                                                                                                                                           | Ilmoitettu laitos/ilmoitetut laitokset                                                 | 1452 - INSTYTUT ENERGETYKI, ul. Mory 8, 01-330 Warszawa, Polska, 0048223451200, instytut.energetyki@ien.com.pl, www.ien.com.pl |
| 7.                                                                                                                                                                                                                        | Paloturvallisuus                                                                       | Täyttää                                                                                                                        |
|                                                                                                                                                                                                                           | Savukaasukanavien ja hormien mekaaninen lujuus                                         | Täyttää                                                                                                                        |
|                                                                                                                                                                                                                           | Ulkopinnan lämpötila                                                                   | Täyttää                                                                                                                        |
|                                                                                                                                                                                                                           | Sähköturvallisuus                                                                      | NPD                                                                                                                            |
|                                                                                                                                                                                                                           | Vaarallisten aineiden vapautuminen                                                     | NPD                                                                                                                            |
|                                                                                                                                                                                                                           |                                                                                        | Nimellisellä lämpöteholla                                                                                                      |
|                                                                                                                                                                                                                           | Hiilimonoksidipäästöt                                                                  | CO <sub>nom</sub> (13% O <sub>2</sub> ) 911 mg/m <sup>3</sup>                                                                  |
|                                                                                                                                                                                                                           | Typidioksidipäästöt                                                                    | NO <sub>x nom</sub> (13% O <sub>2</sub> ) 108 mg/m <sup>3</sup>                                                                |
|                                                                                                                                                                                                                           | Hiilivetyjen päästöt                                                                   | OGC <sub>nom</sub> (13% O <sub>2</sub> ) 75 mg/m <sup>3</sup>                                                                  |
|                                                                                                                                                                                                                           | Hiukkaspäästöt                                                                         | PM <sub>nom</sub> (13% O <sub>2</sub> ) 19 mg/m <sup>3</sup>                                                                   |
|                                                                                                                                                                                                                           |                                                                                        | Lämmöntuotto osakuormalla                                                                                                      |
|                                                                                                                                                                                                                           |                                                                                        | CO <sub>part</sub> (13% O <sub>2</sub> ) NPD mg/m <sup>3</sup>                                                                 |
|                                                                                                                                                                                                                           |                                                                                        | NO <sub>x part</sub> (13% O <sub>2</sub> ) NPD mg/m <sup>3</sup>                                                               |
|                                                                                                                                                                                                                           |                                                                                        | OGC <sub>part</sub> (13% O <sub>2</sub> ) NPD mg/m <sup>3</sup>                                                                |
|                                                                                                                                                                                                                           |                                                                                        | PM <sub>part</sub> (13% O <sub>2</sub> ) NPD mg/m <sup>3</sup>                                                                 |
|                                                                                                                                                                                                                           |                                                                                        | Nimellisellä lämpöteholla                                                                                                      |
|                                                                                                                                                                                                                           | Savupiipun ulostulon lämpötila                                                         | T <sub>snom</sub> 251 °C                                                                                                       |
|                                                                                                                                                                                                                           | Minimivetohormi                                                                        | P <sub>nom</sub> 13 Pa                                                                                                         |
|                                                                                                                                                                                                                           | Kuivan savukaasun massavirta                                                           | Φ <sub>f,g nom</sub> 8.7 g/s                                                                                                   |
|                                                                                                                                                                                                                           |                                                                                        | Lämmöntuotto osakuormalla                                                                                                      |
|                                                                                                                                                                                                                           |                                                                                        | T <sub>spart</sub> NPD °C                                                                                                      |
|                                                                                                                                                                                                                           |                                                                                        | P <sub>part</sub> NPD Pa                                                                                                       |
|                                                                                                                                                                                                                           |                                                                                        | Φ <sub>f,g part</sub> NPD g/s                                                                                                  |
|                                                                                                                                                                                                                           |                                                                                        | Nimellisellä lämpöteholla                                                                                                      |
|                                                                                                                                                                                                                           | Lämmöntuotto                                                                           | P <sub>nom</sub> 8 kW                                                                                                          |
|                                                                                                                                                                                                                           | Veden lämmöntuotto                                                                     | P <sub>wnom</sub> NPD kW                                                                                                       |
|                                                                                                                                                                                                                           | Kausittaisen lämmityksen hyötysuhde                                                    | η <sub>nom</sub> 79.7 %                                                                                                        |
|                                                                                                                                                                                                                           | Tehokkuus                                                                              | η <sub>s</sub> 70 %                                                                                                            |
|                                                                                                                                                                                                                           | Energiatehokkuus                                                                       | Energiatehokkuusindeksi EEI 106                                                                                                |
|                                                                                                                                                                                                                           |                                                                                        | Energiatehokkuusluokka - A                                                                                                     |
|                                                                                                                                                                                                                           | Sähkönkulutus                                                                          | el <sub>max</sub> NPD kW                                                                                                       |
|                                                                                                                                                                                                                           | Sähkönkulutus valmiustilassa                                                           | el <sub>SB</sub> kW                                                                                                            |
|                                                                                                                                                                                                                           | Minimietäisyys takaosasta palavaan materiaaliin                                        | d <sub>R</sub> 180 mm                                                                                                          |
|                                                                                                                                                                                                                           | Sivujen vähimmäisetäisyys palavaan materiaaliin                                        | d <sub>S</sub> 1500 mm                                                                                                         |
|                                                                                                                                                                                                                           | Minimietäisyys yläreunasta katon palamiskykyiseen materiaaliin                         | d <sub>C</sub> 800 mm                                                                                                          |
|                                                                                                                                                                                                                           | Minimietäisyys edestä palavaan materiaaliin                                            | d <sub>P</sub> 1500 mm                                                                                                         |
|                                                                                                                                                                                                                           | Vähimmäisetäisyydet etupuoelta palavaan materiaaliin alaosan etusäteilyalueella        | d <sub>F</sub> 1500 mm                                                                                                         |
|                                                                                                                                                                                                                           | Vähimmäisetäisyydet edestä palavaan materiaaliin sivuttaissuuntaisella säteilyalueella | d <sub>L</sub> NPD mm                                                                                                          |
|                                                                                                                                                                                                                           | Minimietäisyys pohjan alapuolelta (jalkoja ei lasketa) palavaan materiaaliin           | d <sub>B</sub> 0 mm                                                                                                            |
| Ympäristön kestävyys                                                                                                                                                                                                      |                                                                                        | NPD                                                                                                                            |
| Yllä tunnistetun tuotteen suorituskyky on ilmoitettujen suoritusarvojen mukainen. Tämä suoritustasovakuutus on annettu asetuksen (EU) N:o 305/2011 mukaisesti, ja se on yksinomaan edellä mainitun valmistajan vastuulla. |                                                                                        |                                                                                                                                |

Alekirjoittanut valmistajan puolesta ja puolesta:  
Tutkimus- ja kehitysosaston johtaja Sylwester Kalwiński

Wsola 2025-11-22

Kierownik  
Zespołu Badawczo-Rozwojowego  
*Katinka*

FLOKI/S/L/BLACK/V1/2025/DOP

|                                                                                      |                                                                                                                                |
|--------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------|
| 1. Уникален идентификационен код на вида продукт:                                    | FLOKI/S/L/BLACK                                                                                                                |
| Тип продукт                                                                          | Тип BE                                                                                                                         |
| 2. Употреба(и) по предназначение:                                                    | Отопление на помещения в сгради                                                                                                |
| 3. производител:                                                                     | Kratki.pl Marek Bał, Wsola ul. W. Gombrowicza 4, 26-660 Jedliński, Polska, 0048483899914, info@kratki.com, www.kratki.com      |
| 4. Упълномощен представител                                                          | -                                                                                                                              |
| 5. Система(и) за оценка и проверка на постоянството на експлоатационните показатели: | Система 3                                                                                                                      |
| 6. Използвани хармонизирани технически спецификации                                  | EN 16510-2-2:2023-06                                                                                                           |
| Протокол от изпитване №                                                              | CUE.4032.071.1.2022.2023.LG037                                                                                                 |
| Нотифициран орган/и                                                                  | 1452 - INSTYTUT ENERGETYKI, ul. Mory 8, 01-330 Warszawa, Polska, 0048223451200, instytut.energetyki@ien.com.pl, www.ien.com.pl |

|                                              |             |
|----------------------------------------------|-------------|
| 7. Пожарна безопасност                       | Съответства |
| Механична якост на димоходите и димоотводите | Съответства |
| Температура на външната повърхност           | Съответства |
| Електрическа безопасност                     | NPD         |
| Изпускане на опасни материали                | NPD         |

|                            | При номинална топлинна мощност            |     |                   | При частично натоварване на топлинната мощност |     |                   |
|----------------------------|-------------------------------------------|-----|-------------------|------------------------------------------------|-----|-------------------|
| Емисии на въглероден оксид | CO <sub>nom</sub> (13% O <sub>2</sub> )   | 911 | mg/m <sup>3</sup> | CO <sub>part</sub> (13% O <sub>2</sub> )       | NPD | mg/m <sup>3</sup> |
| Емисии на азотни оксиди    | NO <sub>x nom</sub> (13% O <sub>2</sub> ) | 108 | mg/m <sup>3</sup> | NO <sub>x part</sub> (13% O <sub>2</sub> )     | NPD | mg/m <sup>3</sup> |
| Емисии на въглеводороди    | OGC <sub>nom</sub> (13% O <sub>2</sub> )  | 75  | mg/m <sup>3</sup> | OGC <sub>part</sub> (13% O <sub>2</sub> )      | NPD | mg/m <sup>3</sup> |
| Емисии на твърди частици   | PM <sub>nom</sub> (13% O <sub>2</sub> )   | 19  | mg/m <sup>3</sup> | PM <sub>part</sub> (13% O <sub>2</sub> )       | NPD | mg/m <sup>3</sup> |

|                                     | При номинална топлинна мощност |     |     | При частично натоварване на топлинната мощност |     |     |
|-------------------------------------|--------------------------------|-----|-----|------------------------------------------------|-----|-----|
| Температура на изхода на димоотвода | T <sub>snom</sub>              | 251 | °C  | T <sub>s part</sub>                            | NPD | °C  |
| Минимална тяга на комина            | P <sub>nom</sub>               | 13  | Pa  | P <sub>part</sub>                              | NPD | Pa  |
| Масов дебит на сухия димен газ      | Φ <sub>f,g nom</sub>           | 8.7 | g/s | Φ <sub>f,g part</sub>                          | NPD | g/s |

|                                                   | При номинална топлинна мощност  |      |    | При частично натоварване на топлинната мощност |     |     |
|---------------------------------------------------|---------------------------------|------|----|------------------------------------------------|-----|-----|
| Топлинна мощност                                  | P <sub>nom</sub>                | 8    | kW | P <sub>part</sub>                              | NPD | kW  |
| Топлинна мощност на водата                        | P <sub>w nom</sub>              | NPD  | kW | P <sub>w part</sub>                            | NPD | kW  |
| Сезонна ефективност на отоплението                | η <sub>nom</sub>                | 79.7 | %  | η <sub>part</sub>                              | NPD | %   |
| Ефективност                                       | η <sub>s</sub>                  | 70   | %  |                                                |     |     |
| Енергийна ефективност                             | Индекс на енергийна ефективност |      |    |                                                | EEI | 106 |
|                                                   | Клас на енергийна ефективност   |      |    |                                                | -   | A   |
| Консумация на електроенергия                      | el <sub>max</sub>               | NPD  | kW | el <sub>min</sub>                              | NPD | kW  |
| Консумация на електроенергия в режим на готовност | el <sub>SB</sub>                |      | kW |                                                |     |     |

|                                                                                                 |                |      |    |
|-------------------------------------------------------------------------------------------------|----------------|------|----|
| Минимално разстояние от задната част до запалим материал                                        | d <sub>R</sub> | 180  | mm |
| Минимално разстояние от страните до запалим материал                                            | d <sub>S</sub> | 1500 | mm |
| Минимално разстояние от горната част до запалим материал на тавана                              | d <sub>C</sub> | 800  | mm |
| Минимално разстояние от предната част до запалим материал                                       | d <sub>P</sub> | 1500 | mm |
| Минимални разстояния от предната част до горимия материал в долната предна радиационна зона     | d <sub>F</sub> | 1500 | mm |
| Минимални разстояния от предната част до запалим материал в страничната предна радиационна зона | d <sub>L</sub> | NPD  | mm |
| Минимално разстояние под дъното (без да се отнася до краката) до запалим материал               | d <sub>B</sub> | 0    | mm |

|                                                                                                                                                                                                                                                                                             |     |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|
| Екологична устойчивост                                                                                                                                                                                                                                                                      | NPD |
| Производителността на продукта, идентифициран по-горе, е в съответствие с набора от деклариранни характеристики. Тази декларация за експлоатационни характеристики се издава в съответствие с Регламент (ЕС) № 305/2011, като отговорността е единствено на посочения по-горе производител. |     |

Подписано за и от името на производителя от:  
Ръководител на отдел „Изследвания и разработки“ Силвестър Калвински

Kierownik  
Zespołu Badawczo-Rozwojowego  
*Kalwin*

## FLOKI/S/L/BLACK/V1/2025/DOP

|    |                                                                                     |                                                                                                                                |
|----|-------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------|
| 1. | Unieke identificatiecode van het producttype:                                       | FLOKI/S/L/BLACK                                                                                                                |
|    | Producttype                                                                         | Type BE                                                                                                                        |
| 2. | Beoogd gebruik:                                                                     | Verwarming van ruimtes in gebouwen                                                                                             |
| 3. | Fabrikant:                                                                          | Kratki.pl Marek Bał, Wsola ul. W. Gombrowicza 4, 26-660 Jedliński, Polska, 0048483899914, info@kratki.com, www.kratki.com      |
| 4. | Gemachtigde vertegenwoordiger                                                       | -                                                                                                                              |
| 5. | Systeem(en) voor beoordeling en verificatie van de bestendigheid van de prestaties: | Systeem 3                                                                                                                      |
| 6. | Geharmoniseerde technische specificaties gebruikt                                   | EN 16510-2-2:2023-06                                                                                                           |
|    | Testrapport nr.                                                                     | CUE.4032.071.1.2022.2023.LG037                                                                                                 |
|    | Aangemelde instantie(s)                                                             | 1452 - INSTYTUT ENERGETYKI, ul. Mory 8, 01-330 Warszawa, Polska, 0048223451200, instytut.energetyki@ien.com.pl, www.ien.com.pl |

|    |                                                       |             |
|----|-------------------------------------------------------|-------------|
| 7. | Brandveiligheid                                       | Voldoet aan |
|    | Mechanische sterkte van rookgaskanalen en rookkanalen | Voldoet aan |
|    | Temperatuur van het buitenoppervlak                   | Voldoet aan |
|    | Elektrische veiligheid                                | NPD         |
|    | Vrijgave van gevaarlijke stoffen                      | NPD         |

|                           | Bij nominale warmteafgifte                |     |                   | Bij deellast warmteafgifte                 |     |                   |
|---------------------------|-------------------------------------------|-----|-------------------|--------------------------------------------|-----|-------------------|
| Koolmonoxide-uitstoot     | CO <sub>nom</sub> (13% O <sub>2</sub> )   | 911 | mg/m <sup>3</sup> | CO <sub>part</sub> (13% O <sub>2</sub> )   | NPD | mg/m <sup>3</sup> |
| Stikstofoxide-uitstoot    | NO <sub>x nom</sub> (13% O <sub>2</sub> ) | 108 | mg/m <sup>3</sup> | NO <sub>x part</sub> (13% O <sub>2</sub> ) | NPD | mg/m <sup>3</sup> |
| Koolwaterstoffen-uitstoot | OGC <sub>nom</sub> (13% O <sub>2</sub> )  | 75  | mg/m <sup>3</sup> | OGC <sub>part</sub> (13% O <sub>2</sub> )  | NPD | mg/m <sup>3</sup> |
| Uitstoot van fijnstof     | PM <sub>nom</sub> (13% O <sub>2</sub> )   | 19  | mg/m <sup>3</sup> | PM <sub>part</sub> (13% O <sub>2</sub> )   | NPD | mg/m <sup>3</sup> |

|                               | Bij nominale warmteafgifte |     |     | Bij deellast warmteafgifte |     |     |
|-------------------------------|----------------------------|-----|-----|----------------------------|-----|-----|
| Rookgasafvoertemperatuur      | T <sub>snom</sub>          | 251 | °C  | T <sub>s part</sub>        | NPD | °C  |
| Minimale schoorsteentrek      | P <sub>nom</sub>           | 13  | Pa  | P <sub>part</sub>          | NPD | Pa  |
| Massastroom van droog rookgas | Φ <sub>f,g nom</sub>       | 8.7 | g/s | Φ <sub>f,g part</sub>      | NPD | g/s |

|                                       | Bij nominale warmteafgifte |      |    | Bij deellast warmteafgifte |     |     |
|---------------------------------------|----------------------------|------|----|----------------------------|-----|-----|
| Warmteafgifte                         | P <sub>nom</sub>           | 8    | kW | P <sub>part</sub>          | NPD | kW  |
| Waterwarmteafgifte                    | P <sub>w nom</sub>         | NPD  | kW | P <sub>w part</sub>        | NPD | kW  |
| Seizoensgebonden verwarmingsrendement | η <sub>nom</sub>           | 79.7 | %  | η <sub>part</sub>          | NPD | %   |
| Efficiëntie                           | η <sub>s</sub>             | 70   | %  |                            |     |     |
| Energie-efficiëntie                   | Energie-efficiëntie-index  |      |    |                            | EEI | 106 |
|                                       | Energie-efficiëntieklasse  |      |    |                            | -   | A   |
| Elektriciteitsverbruik                | el <sub>max</sub>          | NPD  | kW | el <sub>min</sub>          | NPD | kW  |
| Stroomverbruik in stand-bymodus       | el <sub>SB</sub>           |      | kW |                            |     |     |

|                                                                                                     |                |      |    |
|-----------------------------------------------------------------------------------------------------|----------------|------|----|
| Minimale afstand van de achterzijde tot brandbaar materiaal                                         | d <sub>R</sub> | 180  | mm |
| Minimale afstand van de zijkanalen tot brandbaar materiaal                                          | d <sub>S</sub> | 1500 | mm |
| Minimale afstand van boven tot brandbaar materiaal in het plafond                                   | d <sub>C</sub> | 800  | mm |
| Minimale afstand van de voorkant tot brandbaar materiaal                                            | d <sub>P</sub> | 1500 | mm |
| Minimale afstanden van de voorkant tot brandbaar materiaal in het onderste frontale stralingsgebied | d <sub>F</sub> | 1500 | mm |
| Minimale afstanden van de voorkant tot brandbaar materiaal in het stralingsgebied aan de zijkant    | d <sub>L</sub> | NPD  | mm |
| Minimale afstand onder de bodem (niet in voeten gemeten) tot brandbaar materiaal                    | d <sub>B</sub> | 0    | mm |

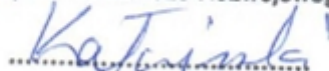
|                    |     |
|--------------------|-----|
| Milieuduurzaamheid | NPD |
|--------------------|-----|

De prestaties van het hierboven geïdentificeerde product zijn in overeenstemming met de set van verklaarde prestaties. Deze prestatieverklaring wordt uitgegeven, in overeenstemming met Verordening (EU) nr. 305/2011, onder de exclusieve verantwoordelijkheid van de hierboven geïdentificeerde fabrikant.

Ondertekend voor en namens de fabrikant door:

Hoofd van de afdeling onderzoek en ontwikkeling Sylwester Kałwiński

Wsola 2025-11-22

Kierownik  
Zespołu Badawczo-Rozwojowego  


FLOKI/S/L/BLACK/V1/2025/DOP

|    |                                                                                                                                                                                                                                           |                                                                                                                                |      |                   |                                                                               |                       |
|----|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------|------|-------------------|-------------------------------------------------------------------------------|-----------------------|
| 1. | Produkta veida unikālais identifikācijas kods:                                                                                                                                                                                            | FLOKI/S/L/BLACK                                                                                                                |      |                   |                                                                               |                       |
|    | Produkta veids                                                                                                                                                                                                                            | Tips                                                                                                                           | BE   |                   |                                                                               |                       |
| 2. | Paredzētais(-ie) lietojums(-i):                                                                                                                                                                                                           | Telpu apsilde ēkās                                                                                                             |      |                   |                                                                               |                       |
| 3. | Ražotājs:                                                                                                                                                                                                                                 | Kratki.pl Marek Bał, Wsola ul. W. Gombrowicza 4, 26-660 Jedlińsk, Polska, 0048483899914, info@kratki.com, www.kratki.com       |      |                   |                                                                               |                       |
| 4. | Pilnvarots pārstāvis                                                                                                                                                                                                                      | -                                                                                                                              |      |                   |                                                                               |                       |
| 5. | Veiktspējas noturības novērtēšanas un pārbaudes sistēma(-as):                                                                                                                                                                             | 3. sistēma                                                                                                                     |      |                   |                                                                               |                       |
| 6. | Izmantotās saskaņotās tehniskās specifikācijas                                                                                                                                                                                            | EN 16510-2-2:2023-06                                                                                                           |      |                   |                                                                               |                       |
|    | Testa ziņojuma nr.                                                                                                                                                                                                                        | CUE.4032.071.1.2022.2023.LG037                                                                                                 |      |                   |                                                                               |                       |
|    | Paziņotā(-ās) iestāde(-es).                                                                                                                                                                                                               | 1452 - INSTYTUT ENERGETYKI, ul. Mory 8, 01-330 Warszawa, Polska, 0048223451200, instytut.energetyki@ien.com.pl, www.ien.com.pl |      |                   |                                                                               |                       |
| 7. | Ugunsdrošība                                                                                                                                                                                                                              | Atbilst                                                                                                                        |      |                   |                                                                               |                       |
|    | Dūmvadu kanālu un dūmvadu mehāniskā izturība                                                                                                                                                                                              | Atbilst                                                                                                                        |      |                   |                                                                               |                       |
|    | Ārējās virsmas temperatūra                                                                                                                                                                                                                | Atbilst                                                                                                                        |      |                   |                                                                               |                       |
|    | Elektriskā drošība                                                                                                                                                                                                                        | NPD                                                                                                                            |      |                   |                                                                               |                       |
|    | Bīstamo materiālu izdalīšanās                                                                                                                                                                                                             | NPD                                                                                                                            |      |                   |                                                                               |                       |
|    | Oglekļa monoksīda emisijas                                                                                                                                                                                                                | Pie nominālās siltuma jaudas<br>CO <sub>nom</sub> (13% O <sub>2</sub> )                                                        | 911  | mg/m <sup>3</sup> | Siltuma jauda pie daļējas slodzes<br>CO <sub>part</sub> (13% O <sub>2</sub> ) | NPD mg/m <sup>3</sup> |
|    | Slāpekļa oksīdu emisijas                                                                                                                                                                                                                  | NO <sub>x nom</sub> (13% O <sub>2</sub> )                                                                                      | 108  | mg/m <sup>3</sup> | NO <sub>x part</sub> (13% O <sub>2</sub> )                                    | NPD mg/m <sup>3</sup> |
|    | Oglekļa ūdeņražu emisijas                                                                                                                                                                                                                 | OGC <sub>nom</sub> (13% O <sub>2</sub> )                                                                                       | 75   | mg/m <sup>3</sup> | OGC <sub>part</sub> (13% O <sub>2</sub> )                                     | NPD mg/m <sup>3</sup> |
|    | Cieto daļiņu emisijas                                                                                                                                                                                                                     | PM <sub>nom</sub> (13% O <sub>2</sub> )                                                                                        | 19   | mg/m <sup>3</sup> | PM <sub>part</sub> (13% O <sub>2</sub> )                                      | NPD mg/m <sup>3</sup> |
|    | Dūmvada izejas temperatūra                                                                                                                                                                                                                | Pie nominālās siltuma jaudas<br>T <sub>snom</sub>                                                                              | 251  | °C                | Siltuma jauda pie daļējas slodzes<br>T <sub>spart</sub>                       | NPD °C                |
|    | Minimālais skursteņa vilkme                                                                                                                                                                                                               | P <sub>nom</sub>                                                                                                               | 13   | Pa                | P <sub>part</sub>                                                             | NPD Pa                |
|    | Sausas deggāzes masas plūsmas ātrums                                                                                                                                                                                                      | Φ <sub>f,g nom</sub>                                                                                                           | 8.7  | g/s               | Φ <sub>f,g part</sub>                                                         | NPD g/s               |
|    | Siltuma jauda                                                                                                                                                                                                                             | Pie nominālās siltuma jaudas<br>P <sub>nom</sub>                                                                               | 8    | kW                | Siltuma jauda pie daļējas slodzes<br>P <sub>part</sub>                        | NPD kW                |
|    | Ūdens siltuma jauda                                                                                                                                                                                                                       | P <sub>wnom</sub>                                                                                                              | NPD  | kW                | P <sub>wpart</sub>                                                            | NPD kW                |
|    | Sezonas apkures efektivitāte                                                                                                                                                                                                              | η <sub>nom</sub>                                                                                                               | 79.7 | %                 | η <sub>part</sub>                                                             | NPD %                 |
|    | Efektivitāte                                                                                                                                                                                                                              | η <sub>s</sub>                                                                                                                 | 70   | %                 |                                                                               |                       |
|    | Energoefektivitāte                                                                                                                                                                                                                        | Energoefektivitātes indekss                                                                                                    |      |                   | EEI                                                                           | 106                   |
|    |                                                                                                                                                                                                                                           | Energoefektivitātes klase                                                                                                      |      |                   | -                                                                             | A                     |
|    | Elektroenerģijas patēriņš                                                                                                                                                                                                                 | el <sub>max</sub>                                                                                                              | NPD  | kW                | el <sub>min</sub>                                                             | NPD kW                |
|    | Elektroenerģijas patēriņš gaidīšanas režīmā                                                                                                                                                                                               | el <sub>SB</sub>                                                                                                               |      | kW                |                                                                               |                       |
|    | Minimālais attālums no aizmugures līdz degošam materiālam                                                                                                                                                                                 | d <sub>R</sub>                                                                                                                 | 180  | mm                |                                                                               |                       |
|    | Minimālais attālums no sāniem līdz degošiem materiāliem                                                                                                                                                                                   | d <sub>S</sub>                                                                                                                 | 1500 | mm                |                                                                               |                       |
|    | Minimālais attālums no augšas līdz degošiem materiāliem griestos                                                                                                                                                                          | d <sub>C</sub>                                                                                                                 | 800  | mm                |                                                                               |                       |
|    | Minimālais attālums no priekšpusē līdz degošam materiālam                                                                                                                                                                                 | d <sub>P</sub>                                                                                                                 | 1500 | mm                |                                                                               |                       |
|    | Minimālie attālumi no priekšpusē līdz degošam materiālam apakšējā priekšējā starojuma zonā                                                                                                                                                | d <sub>F</sub>                                                                                                                 | 1500 | mm                |                                                                               |                       |
|    | Minimālie attālumi no priekšpusē līdz degošam materiālam sānu priekšējā starojuma zonā                                                                                                                                                    | d <sub>L</sub>                                                                                                                 | NPD  | mm                |                                                                               |                       |
|    | Minimālais attālums zem pamatnes (neattiecībā uz kājām) līdz degošam materiālam                                                                                                                                                           | d <sub>B</sub>                                                                                                                 | 0    | mm                |                                                                               |                       |
|    | Vides ilgtspējība                                                                                                                                                                                                                         | NPD                                                                                                                            |      |                   |                                                                               |                       |
|    | Iepriekš norādītā produkta veiktspēja atbilst deklarēto ekspluatācijas īpašību kopumam. Šī ekspluatācijas īpašību deklarācija ir izdota saskaņā ar Regulu (ES) Nr. 305/2011, un par to ir pilnībā atbildīgs iepriekš norādītais ražotājs. |                                                                                                                                |      |                   |                                                                               |                       |

Ražotāja vārdā un vārdā parakstījis:

Pētniecības un attīstības departamenta vadītājs Silvestrs Kalvinskis

Wsola 2025-11-22

Kierownik  
Zespołu Badawczo-Rozwojowego  
*Katrinke*

FLOKI/S/L/BLACK/V1/2025/DOP

|                                                                                                                                                                                                                                                         |                                                                                            |                                                                                                                                |      |                   |                                            |      |                   |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------|------|-------------------|--------------------------------------------|------|-------------------|
| 1.                                                                                                                                                                                                                                                      | Unikalus produkto tipo identifikavimo kodas:                                               | FLOKI/S/L/BLACK                                                                                                                |      |                   |                                            |      |                   |
|                                                                                                                                                                                                                                                         | Produkto tipas                                                                             | Tipas                                                                                                                          |      | BE                |                                            |      |                   |
| 2.                                                                                                                                                                                                                                                      | Paskirtis (-ai):                                                                           | Pastatų kambarių šildymas                                                                                                      |      |                   |                                            |      |                   |
| 3.                                                                                                                                                                                                                                                      | Gamintojas:                                                                                | Kratki.pl Marek Bał, Wsola ul. W. Gombrowicza 4, 26-660 Jedlińsk, Polska, 0048483899914, info@kratki.com, www.kratki.com       |      |                   |                                            |      |                   |
| 4.                                                                                                                                                                                                                                                      | Įgaliotasis atstovas                                                                       | -                                                                                                                              |      |                   |                                            |      |                   |
| 5.                                                                                                                                                                                                                                                      | Eksploatacinių savybių pastovumo vertinimo ir tikrinimo sistema (-os):                     | 3 sistema                                                                                                                      |      |                   |                                            |      |                   |
| 6.                                                                                                                                                                                                                                                      | Naudotos suderintos techninės specifikacijos                                               | EN 16510-2-2:2023-06                                                                                                           |      |                   |                                            |      |                   |
|                                                                                                                                                                                                                                                         | Bandymo ataskaitos nr.                                                                     | CUE.4032.071.1.2022.2023.LG037                                                                                                 |      |                   |                                            |      |                   |
|                                                                                                                                                                                                                                                         | Notifikuotoji įstaiga (-os).                                                               | 1452 - INSTYTUT ENERGETYKI, ul. Mory 8, 01-330 Warszawa, Polska, 0048223451200, instytut.energetyki@ien.com.pl, www.ien.com.pl |      |                   |                                            |      |                   |
| 7.                                                                                                                                                                                                                                                      | Priešgaisrinė sauga                                                                        | Atitinka                                                                                                                       |      |                   |                                            |      |                   |
|                                                                                                                                                                                                                                                         | Dūmtakių ortakių ir dūmtraukių mechaninis stiprumas                                        | Atitinka                                                                                                                       |      |                   |                                            |      |                   |
|                                                                                                                                                                                                                                                         | Išorinio paviršiaus temperatūra                                                            | Atitinka                                                                                                                       |      |                   |                                            |      |                   |
|                                                                                                                                                                                                                                                         | Elektros sauga                                                                             | NPD                                                                                                                            |      |                   |                                            |      |                   |
|                                                                                                                                                                                                                                                         | Pavojingų medžiagų išleidimas                                                              | NPD                                                                                                                            |      |                   |                                            |      |                   |
|                                                                                                                                                                                                                                                         |                                                                                            |                                                                                                                                |      |                   |                                            |      |                   |
|                                                                                                                                                                                                                                                         | Anglies monoksido išmetimas                                                                | Esant nominaliam šilumos išėikvojimui                                                                                          |      |                   | Esant dalinei apkrovai, šiluminė galia     |      |                   |
|                                                                                                                                                                                                                                                         | Azoto oksidų išmetimas                                                                     | CO <sub>nom</sub> (13% O <sub>2</sub> )                                                                                        | 911  | mg/m <sup>3</sup> | CO <sub>part</sub> (13% O <sub>2</sub> )   | NPD  | mg/m <sup>3</sup> |
|                                                                                                                                                                                                                                                         | Angliavandenilių išmetimas                                                                 | NO <sub>x nom</sub> (13% O <sub>2</sub> )                                                                                      | 108  | mg/m <sup>3</sup> | NO <sub>x part</sub> (13% O <sub>2</sub> ) | NPD  | mg/m <sup>3</sup> |
|                                                                                                                                                                                                                                                         | Kietųjų dalelių išmetimas                                                                  | OGC <sub>nom</sub> (13% O <sub>2</sub> )                                                                                       | 75   | mg/m <sup>3</sup> | OGC <sub>part</sub> (13% O <sub>2</sub> )  | NPD  | mg/m <sup>3</sup> |
|                                                                                                                                                                                                                                                         |                                                                                            | PM <sub>nom</sub> (13% O <sub>2</sub> )                                                                                        | 19   | mg/m <sup>3</sup> | PM <sub>part</sub> (13% O <sub>2</sub> )   | NPD  | mg/m <sup>3</sup> |
|                                                                                                                                                                                                                                                         |                                                                                            |                                                                                                                                |      |                   |                                            |      |                   |
|                                                                                                                                                                                                                                                         | Dūmtakio išleidimo angos temperatūra                                                       | Esant nominaliam šilumos išėikvojimui                                                                                          |      |                   | Esant dalinei apkrovai, šiluminė galia     |      |                   |
|                                                                                                                                                                                                                                                         | Minimali kamino trauka                                                                     | T <sub>snom</sub>                                                                                                              | 251  | °C                | T <sub>spart</sub>                         | NPD  | °C                |
|                                                                                                                                                                                                                                                         | Sausų degiųjų dujų masės srautas                                                           | P <sub>nom</sub>                                                                                                               | 13   | Pa                | P <sub>part</sub>                          | NPD  | Pa                |
|                                                                                                                                                                                                                                                         |                                                                                            | Φ <sub>f,g nom</sub>                                                                                                           | 8.7  | g/s               | Φ <sub>f,g part</sub>                      | NPD  | g/s               |
|                                                                                                                                                                                                                                                         |                                                                                            |                                                                                                                                |      |                   |                                            |      |                   |
|                                                                                                                                                                                                                                                         | Šilumos išėiga                                                                             | Esant nominaliam šilumos išėikvojimui                                                                                          |      |                   | Esant dalinei apkrovai, šiluminė galia     |      |                   |
|                                                                                                                                                                                                                                                         | Vandens šilumos išėiga                                                                     | P <sub>nom</sub>                                                                                                               | 8    | kW                | P <sub>part</sub>                          | NPD  | kW                |
|                                                                                                                                                                                                                                                         | Sezoninis šildymo efektyvumas                                                              | P <sub>wnom</sub>                                                                                                              | NPD  | kW                | P <sub>wpart</sub>                         | NPD  | kW                |
|                                                                                                                                                                                                                                                         | Efektyvumas                                                                                | η <sub>nom</sub>                                                                                                               | 79.7 | %                 | η <sub>part</sub>                          | NPD  | %                 |
|                                                                                                                                                                                                                                                         | Energijos vartojimo efektyvumas                                                            | η <sub>s</sub>                                                                                                                 | 70   | %                 |                                            |      |                   |
|                                                                                                                                                                                                                                                         |                                                                                            | Energijos vartojimo efektyvumo indeksas                                                                                        |      |                   | EEI                                        |      |                   |
|                                                                                                                                                                                                                                                         |                                                                                            | Energijos vartojimo efektyvumo klasė                                                                                           |      |                   | -                                          |      |                   |
|                                                                                                                                                                                                                                                         | Elektros energijos suvartojimas                                                            | el <sub>max</sub>                                                                                                              | NPD  | kW                | el <sub>min</sub>                          | NPD  | kW                |
|                                                                                                                                                                                                                                                         | Elektros energijos suvartojimas budėjimo režimu                                            | el <sub>SB</sub>                                                                                                               |      | kW                |                                            |      |                   |
|                                                                                                                                                                                                                                                         |                                                                                            |                                                                                                                                |      |                   |                                            |      |                   |
|                                                                                                                                                                                                                                                         | Minimalus atstumas nuo galo iki degių medžiagų                                             |                                                                                                                                |      |                   | d <sub>R</sub>                             | 180  | mm                |
|                                                                                                                                                                                                                                                         | Minimalus atstumas nuo šonų iki degių medžiagų                                             |                                                                                                                                |      |                   | d <sub>S</sub>                             | 1500 | mm                |
|                                                                                                                                                                                                                                                         | Minimalus atstumas nuo viršaus iki degių medžiagų lubose                                   |                                                                                                                                |      |                   | d <sub>C</sub>                             | 800  | mm                |
|                                                                                                                                                                                                                                                         | Minimalus atstumas nuo priekio iki degių medžiagų                                          |                                                                                                                                |      |                   | d <sub>P</sub>                             | 1500 | mm                |
|                                                                                                                                                                                                                                                         | Minimalūs atstumai nuo priekio do degių medžiagų apatinėje priekinėje spinduliuotės zonoje |                                                                                                                                |      |                   | d <sub>F</sub>                             | 1500 | mm                |
|                                                                                                                                                                                                                                                         | Minimalūs atstumai nuo priekio iki degių medžiagų šoninėje priekinėje spinduliuotės zonoje |                                                                                                                                |      |                   | d <sub>L</sub>                             | NPD  | mm                |
|                                                                                                                                                                                                                                                         | Minimalus atstumas žemiau dugno (neatsižvelgiant į kojas) iki degių medžiagų               |                                                                                                                                |      |                   | d <sub>B</sub>                             | 0    | mm                |
|                                                                                                                                                                                                                                                         |                                                                                            |                                                                                                                                |      |                   |                                            |      |                   |
|                                                                                                                                                                                                                                                         | Aplinkos tvarumas                                                                          | NPD                                                                                                                            |      |                   |                                            |      |                   |
| Pirmiau nurodyto gaminio eksploatacinės savybės atitinka deklaruotų eksploatacinių savybių rinkinį. Ši eksploatacinių savybių deklaracija išduodama vadovaujantis Reglamentu (ES) Nr. 305/2011, prisiimant visą aukščiau nurodyto gamintojo atsakomybę. |                                                                                            |                                                                                                                                |      |                   |                                            |      |                   |

Gamintojo vardu ir vardu pasirašė:

Tyrimų ir plėtros skyriaus vadovas Sylwester Katwiński

Wsola 2025-11-22

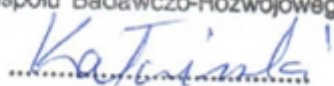
Kierownik  
Zespołu Badawczo-Rozwojowego  
*Katwiński*

## FLOKI/S/L/BLACK/V1/2025/DOP

|    |                                                                                                                                                                                                                                                         |                                                                                                                                |      |                   |                                            |                       |
|----|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------|------|-------------------|--------------------------------------------|-----------------------|
| 1. | Unik identifikationskod för produkttypen:                                                                                                                                                                                                               | FLOKI/S/L/BLACK                                                                                                                |      |                   |                                            |                       |
|    | Produkttyp                                                                                                                                                                                                                                              | Typ                                                                                                                            | BE   |                   |                                            |                       |
| 2. | Avsedd användning:                                                                                                                                                                                                                                      | Uppvärmning av rum i byggnader                                                                                                 |      |                   |                                            |                       |
| 3. | Tillverkare:                                                                                                                                                                                                                                            | Kratki.pl Marek Bał, Wsola ul. W. Gombrowicza 4, 26-660 Jedlińsk, Polska, 0048483899914, info@kratki.com, www.kratki.com       |      |                   |                                            |                       |
| 4. | Auktoriserad representant                                                                                                                                                                                                                               | -                                                                                                                              |      |                   |                                            |                       |
| 5. | System för bedömning och verifiering av prestandabeständighet:                                                                                                                                                                                          | System 3                                                                                                                       |      |                   |                                            |                       |
| 6. | Harmoniserade tekniska specifikationer som används                                                                                                                                                                                                      | EN 16510-2-2:2023-06                                                                                                           |      |                   |                                            |                       |
|    | Testrapport nr.                                                                                                                                                                                                                                         | CUE.4032.071.1.2022.2023.LG037                                                                                                 |      |                   |                                            |                       |
|    | Anmälda organ                                                                                                                                                                                                                                           | 1452 - INSTYTUT ENERGETYKI, ul. Mory 8, 01-330 Warszawa, Polska, 0048223451200, instytut.energetyki@ien.com.pl, www.ien.com.pl |      |                   |                                            |                       |
| 7. | Brandsäkerhet                                                                                                                                                                                                                                           | Följer                                                                                                                         |      |                   |                                            |                       |
|    | Mekanisk hållfasthet hos rökgaskanaler och rökkanaler                                                                                                                                                                                                   | Följer                                                                                                                         |      |                   |                                            |                       |
|    | Yttre temperatur                                                                                                                                                                                                                                        | Följer                                                                                                                         |      |                   |                                            |                       |
|    | Elsäkerhet                                                                                                                                                                                                                                              | NPD                                                                                                                            |      |                   |                                            |                       |
|    | Utsläpp av farligt material                                                                                                                                                                                                                             | NPD                                                                                                                            |      |                   |                                            |                       |
|    |                                                                                                                                                                                                                                                         | Vid nominell värmeeffekt                                                                                                       |      |                   | Vid dellast värmeeffekt                    |                       |
|    | Kolmonoxidutsläpp                                                                                                                                                                                                                                       | CO <sub>nom</sub> (13% O <sub>2</sub> )                                                                                        | 911  | mg/m <sup>3</sup> | CO <sub>part</sub> (13% O <sub>2</sub> )   | NPD mg/m <sup>3</sup> |
|    | Kväveoxidutsläpp                                                                                                                                                                                                                                        | NO <sub>x nom</sub> (13% O <sub>2</sub> )                                                                                      | 108  | mg/m <sup>3</sup> | NO <sub>x part</sub> (13% O <sub>2</sub> ) | NPD mg/m <sup>3</sup> |
|    | Kolväteutsläpp                                                                                                                                                                                                                                          | OGC <sub>nom</sub> (13% O <sub>2</sub> )                                                                                       | 75   | mg/m <sup>3</sup> | OGC <sub>part</sub> (13% O <sub>2</sub> )  | NPD mg/m <sup>3</sup> |
|    | Utsläpp av partiklar                                                                                                                                                                                                                                    | PM <sub>nom</sub> (13% O <sub>2</sub> )                                                                                        | 19   | mg/m <sup>3</sup> | PM <sub>part</sub> (13% O <sub>2</sub> )   | NPD mg/m <sup>3</sup> |
|    |                                                                                                                                                                                                                                                         | Vid nominell värmeeffekt                                                                                                       |      |                   | Vid dellast värmeeffekt                    |                       |
|    | Temperatur på rökgasutloppet                                                                                                                                                                                                                            | T <sub>snom</sub>                                                                                                              | 251  | °C                | T <sub>spart</sub>                         | NPD °C                |
|    | Minsta skorstensdrag                                                                                                                                                                                                                                    | P <sub>nom</sub>                                                                                                               | 13   | Pa                | P <sub>part</sub>                          | NPD Pa                |
|    | Torrt bränslegasmassflöde                                                                                                                                                                                                                               | Φ <sub>f,g nom</sub>                                                                                                           | 8.7  | g/s               | Φ <sub>f,g part</sub>                      | NPD g/s               |
|    |                                                                                                                                                                                                                                                         | Vid nominell värmeeffekt                                                                                                       |      |                   | Vid dellast värmeeffekt                    |                       |
|    | Värmeeffekt                                                                                                                                                                                                                                             | P <sub>nom</sub>                                                                                                               | 8    | kW                | P <sub>part</sub>                          | NPD kW                |
|    | Vattenvärmeeffekt                                                                                                                                                                                                                                       | P <sub>wnom</sub>                                                                                                              | NPD  | kW                | P <sub>wpart</sub>                         | NPD kW                |
|    | Säsongsbunden uppvärmningseffektivitet                                                                                                                                                                                                                  | η <sub>nom</sub>                                                                                                               | 79.7 | %                 | η <sub>part</sub>                          | NPD %                 |
|    | Effektivitet                                                                                                                                                                                                                                            | η <sub>s</sub>                                                                                                                 | 70   | %                 |                                            |                       |
|    | Energieffektivitet                                                                                                                                                                                                                                      | Energieffektivitetsindex                                                                                                       |      |                   | EEI                                        | 106                   |
|    |                                                                                                                                                                                                                                                         | Energieffektivitetsklass                                                                                                       |      |                   | -                                          | A                     |
|    | Elförbrukning                                                                                                                                                                                                                                           | el <sub>max</sub>                                                                                                              | NPD  | kW                | el <sub>min</sub>                          | NPD kW                |
|    | Elförbrukning i standbyläge                                                                                                                                                                                                                             | el <sub>SB</sub>                                                                                                               |      | kW                |                                            |                       |
|    | Minsta avstånd från baksidan till brännbart material                                                                                                                                                                                                    | d <sub>R</sub>                                                                                                                 | 180  | mm                |                                            |                       |
|    | Minsta avstånd från sidorna till brännbart material                                                                                                                                                                                                     | d <sub>S</sub>                                                                                                                 | 1500 | mm                |                                            |                       |
|    | Minsta avstånd från toppen till brännbart material i taket                                                                                                                                                                                              | d <sub>C</sub>                                                                                                                 | 800  | mm                |                                            |                       |
|    | Minsta avstånd från framsidan till brännbart material                                                                                                                                                                                                   | d <sub>P</sub>                                                                                                                 | 1500 | mm                |                                            |                       |
|    | Minsta avstånd från framsidan till brännbart material i det nedre främre strålningsområdet                                                                                                                                                              | d <sub>F</sub>                                                                                                                 | 1500 | mm                |                                            |                       |
|    | Minsta avstånd från framsidan till brännbart material i sidostrålningsområde                                                                                                                                                                            | d <sub>L</sub>                                                                                                                 | NPD  | mm                |                                            |                       |
|    | Minsta avstånd under botten (gäller ej fötter) till brännbart material                                                                                                                                                                                  | d <sub>B</sub>                                                                                                                 | 0    | mm                |                                            |                       |
|    | Miljömässig hållbarhet                                                                                                                                                                                                                                  | NPD                                                                                                                            |      |                   |                                            |                       |
|    | Prestanda för produkten som identifieras ovan är i överensstämmelse med uppsättningen av deklarerade prestanda/er. Denna prestandadeklARATION utfärdas, i enlighet med förordning (EU) nr 305/2011, under ensamt ansvar av tillverkaren som anges ovan. |                                                                                                                                |      |                   |                                            |                       |

Signerad för och på uppdrag av tillverkaren av:  
 Chef för forsknings- och utvecklingsavdelningen Sylwester Katwiński

Wsola 2025-11-22

Kierownik  
 Zespołu Badawczo-Rozwojowego  


FLOKI/S/L/BLACK/V1/2025/DOP

|                                                                                                                                                                                                                               |                                                                                                      |                                                                                                                                |      |                   |                                            |                       |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------|------|-------------------|--------------------------------------------|-----------------------|
| 1.                                                                                                                                                                                                                            | Enolična identifikacijska koda vrste izdelka:                                                        | FLOKI/S/L/BLACK                                                                                                                |      |                   |                                            |                       |
|                                                                                                                                                                                                                               | Vrsta izdelka                                                                                        | Vrsta BE                                                                                                                       |      |                   |                                            |                       |
| 2.                                                                                                                                                                                                                            | Namen uporabe:                                                                                       | Ogrevanje prostorov v stavbah                                                                                                  |      |                   |                                            |                       |
| 3.                                                                                                                                                                                                                            | Proizvajalec:                                                                                        | Kratki.pl Marek Bał, Wsola ul. W. Gombrowicza 4, 26-660 Jedlińsk, Polska, 0048483899914, info@kratki.com, www.kratki.com       |      |                   |                                            |                       |
| 4.                                                                                                                                                                                                                            | Pooblaščen zastopnik                                                                                 | -                                                                                                                              |      |                   |                                            |                       |
| 5.                                                                                                                                                                                                                            | Sistem(-i) ocenjevanja in preverjanja nespremenljivosti delovanja:                                   | Sistem 3                                                                                                                       |      |                   |                                            |                       |
| 6.                                                                                                                                                                                                                            | Uporabljene usklajene tehnične specifikacije                                                         | EN 16510-2-2:2023-06                                                                                                           |      |                   |                                            |                       |
|                                                                                                                                                                                                                               | Poročilo o preskusu št.                                                                              | CUE.4032.071.1.2022.2023.LG037                                                                                                 |      |                   |                                            |                       |
|                                                                                                                                                                                                                               | Priglašeni organ/-i                                                                                  | 1452 - INSTYTUT ENERGETYKI, ul. Mory 8, 01-330 Warszawa, Polska, 0048223451200, instytut.energetyki@ien.com.pl, www.ien.com.pl |      |                   |                                            |                       |
| 7.                                                                                                                                                                                                                            | Požarna varnost                                                                                      | Ustreza                                                                                                                        |      |                   |                                            |                       |
|                                                                                                                                                                                                                               | Mehanska trdnost dimovodnih kanalov in dimnih cevi                                                   | Ustreza                                                                                                                        |      |                   |                                            |                       |
|                                                                                                                                                                                                                               | Temperatura zunanje površine                                                                         | Ustreza                                                                                                                        |      |                   |                                            |                       |
|                                                                                                                                                                                                                               | Električna varnost                                                                                   | NPD                                                                                                                            |      |                   |                                            |                       |
|                                                                                                                                                                                                                               | Izpust nevarnih snovi                                                                                | NPD                                                                                                                            |      |                   |                                            |                       |
|                                                                                                                                                                                                                               |                                                                                                      |                                                                                                                                |      |                   |                                            |                       |
|                                                                                                                                                                                                                               | Emisije ogljikovega monoksida                                                                        | Pri nazivni toplotni moči                                                                                                      |      |                   | Pri delni obremenitvi toplotne moči        |                       |
|                                                                                                                                                                                                                               |                                                                                                      | CO <sub>nom</sub> (13% O <sub>2</sub> )                                                                                        | 911  | mg/m <sup>3</sup> | CO <sub>part</sub> (13% O <sub>2</sub> )   | NPD mg/m <sup>3</sup> |
|                                                                                                                                                                                                                               | Emisije dušikovih oksidov                                                                            | NO <sub>x nom</sub> (13% O <sub>2</sub> )                                                                                      | 108  | mg/m <sup>3</sup> | NO <sub>x part</sub> (13% O <sub>2</sub> ) | NPD mg/m <sup>3</sup> |
|                                                                                                                                                                                                                               | Emisije ogljikovodikov                                                                               | OGC <sub>nom</sub> (13% O <sub>2</sub> )                                                                                       | 75   | mg/m <sup>3</sup> | OGC <sub>part</sub> (13% O <sub>2</sub> )  | NPD mg/m <sup>3</sup> |
|                                                                                                                                                                                                                               | Emisije trdnih delcev                                                                                | PM <sub>nom</sub> (13% O <sub>2</sub> )                                                                                        | 19   | mg/m <sup>3</sup> | PM <sub>part</sub> (13% O <sub>2</sub> )   | NPD mg/m <sup>3</sup> |
|                                                                                                                                                                                                                               |                                                                                                      |                                                                                                                                |      |                   |                                            |                       |
|                                                                                                                                                                                                                               | Temperatura izhoda dimnih plinov                                                                     | Pri nazivni toplotni moči                                                                                                      |      |                   | Pri delni obremenitvi toplotne moči        |                       |
|                                                                                                                                                                                                                               |                                                                                                      | T <sub>snom</sub>                                                                                                              | 251  | °C                | T <sub>spart</sub>                         | NPD °C                |
|                                                                                                                                                                                                                               | Minimalni vlek dimnika                                                                               | P <sub>nom</sub>                                                                                                               | 13   | Pa                | P <sub>part</sub>                          | NPD Pa                |
|                                                                                                                                                                                                                               | Masni pretok suhega dimnega plina                                                                    | Φ <sub>f,g nom</sub>                                                                                                           | 8.7  | g/s               | Φ <sub>f,g part</sub>                      | NPD g/s               |
|                                                                                                                                                                                                                               |                                                                                                      |                                                                                                                                |      |                   |                                            |                       |
|                                                                                                                                                                                                                               | Toplotna moč                                                                                         | Pri nazivni toplotni moči                                                                                                      |      |                   | Pri delni obremenitvi toplotne moči        |                       |
|                                                                                                                                                                                                                               |                                                                                                      | P <sub>nom</sub>                                                                                                               | 8    | kW                | P <sub>part</sub>                          | NPD kW                |
|                                                                                                                                                                                                                               | Izhodna toplota vode                                                                                 | P <sub>wnom</sub>                                                                                                              | NPD  | kW                | P <sub>wpart</sub>                         | NPD kW                |
|                                                                                                                                                                                                                               | Sezonska učinkovitost ogrevanja                                                                      | η <sub>nom</sub>                                                                                                               | 79.7 | %                 | η <sub>part</sub>                          | NPD %                 |
|                                                                                                                                                                                                                               | Učinkovitost                                                                                         | η <sub>s</sub>                                                                                                                 | 70   | %                 |                                            |                       |
|                                                                                                                                                                                                                               | Energetska učinkovitost                                                                              | Indeks energetske učinkovitosti                                                                                                |      |                   | EEI                                        | 106                   |
|                                                                                                                                                                                                                               |                                                                                                      | Razred energijske učinkovitosti                                                                                                |      |                   | -                                          | A                     |
|                                                                                                                                                                                                                               | Poraba električne energije                                                                           | el <sub>max</sub>                                                                                                              | NPD  | kW                | el <sub>min</sub>                          | NPD kW                |
|                                                                                                                                                                                                                               | Poraba električne energije v stanju pripravljenosti                                                  | el <sub>SB</sub>                                                                                                               |      | kW                |                                            |                       |
|                                                                                                                                                                                                                               |                                                                                                      |                                                                                                                                |      |                   |                                            |                       |
|                                                                                                                                                                                                                               | Najmanjša razdalja od zadnjega dela do vnetljivega materiala                                         |                                                                                                                                |      |                   | d <sub>R</sub>                             | 180 mm                |
|                                                                                                                                                                                                                               | Najmanjša razdalja od stranic do vnetljivega materiala                                               |                                                                                                                                |      |                   | d <sub>S</sub>                             | 1500 mm               |
|                                                                                                                                                                                                                               | Najmanjša razdalja od vrha do vnetljivega materiala v stropu                                         |                                                                                                                                |      |                   | d <sub>C</sub>                             | 800 mm                |
|                                                                                                                                                                                                                               | Najmanjša razdalja od sprednje strani do vnetljivega materiala                                       |                                                                                                                                |      |                   | d <sub>P</sub>                             | 1500 mm               |
|                                                                                                                                                                                                                               | Najmanjše razdalje od sprednje strani do vnetljivega materiala v spodnjem sprednjem območju sevanja  |                                                                                                                                |      |                   | d <sub>F</sub>                             | 1500 mm               |
|                                                                                                                                                                                                                               | Najmanjše razdalje od sprednje strani do vnetljivega materiala v stranskem sprednjem območju sevanja |                                                                                                                                |      |                   | d <sub>L</sub>                             | NPD mm                |
|                                                                                                                                                                                                                               | Najmanjša razdalja pod dnom (brez upoštevanja nog) do vnetljivega materiala                          |                                                                                                                                |      |                   | d <sub>B</sub>                             | 0 mm                  |
|                                                                                                                                                                                                                               |                                                                                                      |                                                                                                                                |      |                   |                                            |                       |
|                                                                                                                                                                                                                               | Okoljska trajnost                                                                                    | NPD                                                                                                                            |      |                   |                                            |                       |
| Učinkovitost izdelka, opredeljena zgoraj, je v skladu z naborom deklariranih zmogljivosti. Ta izjava o zmogljivosti je v skladu z Uredbo (EU) št. 305/2011 izdana pod izključno odgovornostjo zgoraj navedenega proizvajalca. |                                                                                                      |                                                                                                                                |      |                   |                                            |                       |

Podpisal za in v imenu proizvajalca:  
Vodja oddelka za raziskave in razvoj Sylwester Kałwiński

Kierownik  
Zespołu Badawczo-Rozwojowego  
*Kałwiński*

Wsola 2025-11-22

FLOKI/S/L/BLACK/V1/2025/DOP

|    |                                                                                                                                                                                                                           |                                                                                                                                |      |                   |                                            |                       |  |
|----|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------|------|-------------------|--------------------------------------------|-----------------------|--|
| 1. | Jedinečný identifikačný kód typu produktu:                                                                                                                                                                                | FLOKI/S/L/BLACK                                                                                                                |      |                   |                                            |                       |  |
|    | Vrsta izdelka                                                                                                                                                                                                             | Vrsta BE                                                                                                                       |      |                   |                                            |                       |  |
| 2. | Zamýšľané použitie:                                                                                                                                                                                                       | Vykurovanie miestností v budovách                                                                                              |      |                   |                                            |                       |  |
| 3. | Výrobca:                                                                                                                                                                                                                  | Kratki.pl Marek Bał, Wsola ul. W. Gombrowicza 4, 26-660 Jedlińsk, Polska, 0048483899914, info@kratki.com, www.kratki.com       |      |                   |                                            |                       |  |
| 4. | Pooblaščení zastopník                                                                                                                                                                                                     | -                                                                                                                              |      |                   |                                            |                       |  |
| 5. | Systém(y) posudzovania a overovania stálosti úžitkových vlastností:                                                                                                                                                       | Systém 3                                                                                                                       |      |                   |                                            |                       |  |
| 6. | Uporabljene usklajene tehnične specifikácie                                                                                                                                                                               | EN 16510-2-2:2023-06                                                                                                           |      |                   |                                            |                       |  |
|    | Poročilo o preskusu št.                                                                                                                                                                                                   | CUE.4032.071.1.2022.2023.LG037                                                                                                 |      |                   |                                            |                       |  |
|    | Notifikovaný orgán/y                                                                                                                                                                                                      | 1452 - INSTYTUT ENERGETYKI, ul. Mory 8, 01-330 Warszawa, Polska, 0048223451200, instytut.energetyki@ien.com.pl, www.ien.com.pl |      |                   |                                            |                       |  |
| 7. | Požiarna bezpečnosť                                                                                                                                                                                                       | Vyhovuje                                                                                                                       |      |                   |                                            |                       |  |
|    | Mehanska trdnost dimovodnih kanalov in dimnih cevi                                                                                                                                                                        | Vyhovuje                                                                                                                       |      |                   |                                            |                       |  |
|    | Vonkajšia povrchová teplota                                                                                                                                                                                               | Vyhovuje                                                                                                                       |      |                   |                                            |                       |  |
|    | Elektrická bezpečnosť                                                                                                                                                                                                     | NPD                                                                                                                            |      |                   |                                            |                       |  |
|    | Uvoľňovanie nebezpečných látok                                                                                                                                                                                            | NPD                                                                                                                            |      |                   |                                            |                       |  |
|    | Emisije ogljikovega monoksida                                                                                                                                                                                             | Pri nazivni toplotni moči                                                                                                      |      |                   | Pri delni obremenitvi toplotne moči        |                       |  |
|    | Emisije dušikovih oksidov                                                                                                                                                                                                 | CO <sub>nom</sub> (13% O <sub>2</sub> )                                                                                        | 911  | mg/m <sup>3</sup> | CO <sub>part</sub> (13% O <sub>2</sub> )   | NPD mg/m <sup>3</sup> |  |
|    | Emisije ogljikovodíkov                                                                                                                                                                                                    | NO <sub>x nom</sub> (13% O <sub>2</sub> )                                                                                      | 108  | mg/m <sup>3</sup> | NO <sub>x part</sub> (13% O <sub>2</sub> ) | NPD mg/m <sup>3</sup> |  |
|    | Emisije trdnih delcev                                                                                                                                                                                                     | OGC <sub>nom</sub> (13% O <sub>2</sub> )                                                                                       | 75   | mg/m <sup>3</sup> | OGC <sub>part</sub> (13% O <sub>2</sub> )  | NPD mg/m <sup>3</sup> |  |
|    |                                                                                                                                                                                                                           | PM <sub>nom</sub> (13% O <sub>2</sub> )                                                                                        | 19   | mg/m <sup>3</sup> | PM <sub>part</sub> (13% O <sub>2</sub> )   | NPD mg/m <sup>3</sup> |  |
|    | Temperatura izhoda dimnih plinov                                                                                                                                                                                          | Pri nazivni toplotni moči                                                                                                      |      |                   | Pri delni obremenitvi toplotne moči        |                       |  |
|    | Minimalni vlek dimnika                                                                                                                                                                                                    | T <sub>snom</sub>                                                                                                              | 251  | °C                | T <sub>spart</sub>                         | NPD °C                |  |
|    | Masni pretok suhega dimnega plina                                                                                                                                                                                         | P <sub>nom</sub>                                                                                                               | 13   | Pa                | P <sub>part</sub>                          | NPD Pa                |  |
|    |                                                                                                                                                                                                                           | Φ <sub>f,g nom</sub>                                                                                                           | 8.7  | g/s               | Φ <sub>f,g part</sub>                      | NPD g/s               |  |
|    | Toplotna moč                                                                                                                                                                                                              | Pri nazivni toplotni moči                                                                                                      |      |                   | Pri delni obremenitvi toplotne moči        |                       |  |
|    | Izhodna toplota vode                                                                                                                                                                                                      | P <sub>nom</sub>                                                                                                               | 8    | kW                | P <sub>part</sub>                          | NPD kW                |  |
|    | Sezonska účinnosť ohrevania                                                                                                                                                                                               | P <sub>wnom</sub>                                                                                                              | NPD  | kW                | P <sub>wpart</sub>                         | NPD kW                |  |
|    | Účinnosť                                                                                                                                                                                                                  | η <sub>nom</sub>                                                                                                               | 79.7 | %                 | η <sub>part</sub>                          | NPD %                 |  |
|    | Energetská účinnosť                                                                                                                                                                                                       | η <sub>s</sub>                                                                                                                 | 70   | %                 |                                            |                       |  |
|    |                                                                                                                                                                                                                           | Indeks energetickej účinnosti                                                                                                  |      |                   | EEI                                        | 106                   |  |
|    |                                                                                                                                                                                                                           | Razred energetickej účinnosti                                                                                                  |      |                   | -                                          | A                     |  |
|    | Poraba elektrickej energie                                                                                                                                                                                                | e <sub>l,max</sub>                                                                                                             | NPD  | kW                | e <sub>l,min</sub>                         | NPD kW                |  |
|    | Poraba elektrickej energie v stave pripravenosti                                                                                                                                                                          | e <sub>l,SB</sub>                                                                                                              |      | kW                |                                            |                       |  |
|    | Najmenšia vzdialenosť od zadnej časti do horľavého materiálu                                                                                                                                                              |                                                                                                                                |      |                   | d <sub>R</sub>                             | 180 mm                |  |
|    | Najmenšia vzdialenosť od strán do horľavého materiálu                                                                                                                                                                     |                                                                                                                                |      |                   | d <sub>S</sub>                             | 1500 mm               |  |
|    | Najmenšia vzdialenosť od vrchu do horľavého materiálu v strechu                                                                                                                                                           |                                                                                                                                |      |                   | d <sub>C</sub>                             | 800 mm                |  |
|    | Najmenšia vzdialenosť od prednej strany do horľavého materiálu                                                                                                                                                            |                                                                                                                                |      |                   | d <sub>P</sub>                             | 1500 mm               |  |
|    | Najmenšie vzdialenosť od prednej strany do horľavého materiálu v spodnom prednom poli žiarenia                                                                                                                            |                                                                                                                                |      |                   | d <sub>F</sub>                             | 1500 mm               |  |
|    | Najmenšie vzdialenosť od prednej strany do horľavého materiálu v bočnom prednom poli žiarenia                                                                                                                             |                                                                                                                                |      |                   | d <sub>L</sub>                             | NPD mm                |  |
|    | Najmenšia vzdialenosť pod dnom (bez uvažovania nôh) do horľavého materiálu                                                                                                                                                |                                                                                                                                |      |                   | d <sub>B</sub>                             | 0 mm                  |  |
|    | Okolná trvanlivosť                                                                                                                                                                                                        | NPD                                                                                                                            |      |                   |                                            |                       |  |
|    | Výkon produktu identifikovaného vyššie je v súlade so súborom deklarovaných parametrov. Toto vyhlásenie o parametroch sa vydáva v súlade s nariadením (EÚ) č. 305/2011 na výhradnú zodpovednosť vyššie uvedeného výrobcu. |                                                                                                                                |      |                   |                                            |                       |  |

Podpísané za a v mene výrobcu:  
Vodja oddelka za raziskave in razvoj Sylwester Kałwiński

Kierownik  
Zespołu Badawczo-Rozwojowego  
*Kałwiński*

Wsola 2025-11-22

## FLOKI/S/L/BLACK/V1/2025/DOP

|    |                                                                    |                                                                                                                                |      |                   |                                            |                       |
|----|--------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------|------|-------------------|--------------------------------------------|-----------------------|
| 1. | Unik identifikationskode for produkttypen:                         | FLOKI/S/L/BLACK                                                                                                                |      |                   |                                            |                       |
|    | Produkttype                                                        | Type                                                                                                                           | BE   |                   |                                            |                       |
| 2. | Tilsigtet anvendelse(r):                                           | Opvarmning af rum i bygninger                                                                                                  |      |                   |                                            |                       |
| 3. | Fabrikant:                                                         | Kratki.pl Marek Bał, Wsola ul. W. Gombrowicza 4, 26-660 Jedlińsk, Polska, 0048483899914, info@kratki.com, www.kratki.com       |      |                   |                                            |                       |
| 4. | Autoriseret repræsentant                                           | -                                                                                                                              |      |                   |                                            |                       |
| 5. | System(er) til vurdering og verifikation af ydeevnens konstanthed: | System 3                                                                                                                       |      |                   |                                            |                       |
| 6. | Harmoniserede tekniske specifikationer anvendt                     | EN 16510-2-2:2023-06                                                                                                           |      |                   |                                            |                       |
|    | Testrapport nr.                                                    | CUE.4032.071.1.2022.2023.LG037                                                                                                 |      |                   |                                            |                       |
|    | Bemyndiget organ/er                                                | 1452 - INSTYTUT ENERGETYKI, ul. Mory 8, 01-330 Warszawa, Polska, 0048223451200, instytut.energetyki@ien.com.pl, www.ien.com.pl |      |                   |                                            |                       |
| 7. | Brandsikkerhed                                                     | Overholder                                                                                                                     |      |                   |                                            |                       |
|    | Mekanisk styrke af røggaskanaler og -kanaler                       | Overholder                                                                                                                     |      |                   |                                            |                       |
|    | Udvendig overfladetemperatur                                       | Overholder                                                                                                                     |      |                   |                                            |                       |
|    | Elektrisk sikkerhed                                                | NPD                                                                                                                            |      |                   |                                            |                       |
|    | Frigivelse af farlige materialer                                   | NPD                                                                                                                            |      |                   |                                            |                       |
|    |                                                                    |                                                                                                                                |      |                   |                                            |                       |
|    |                                                                    | Ved nominel varmeydelse                                                                                                        |      |                   | Ved dellast varmeydelse                    |                       |
|    | Kulilteemissioner                                                  | CO <sub>nom</sub> (13% O <sub>2</sub> )                                                                                        | 911  | mg/m <sup>3</sup> | CO <sub>part</sub> (13% O <sub>2</sub> )   | NPD mg/m <sup>3</sup> |
|    | Kvælstofoxidemissioner                                             | NO <sub>x nom</sub> (13% O <sub>2</sub> )                                                                                      | 108  | mg/m <sup>3</sup> | NO <sub>x part</sub> (13% O <sub>2</sub> ) | NPD mg/m <sup>3</sup> |
|    | Kulbrinteemissioner                                                | OGC <sub>nom</sub> (13% O <sub>2</sub> )                                                                                       | 75   | mg/m <sup>3</sup> | OGC <sub>part</sub> (13% O <sub>2</sub> )  | NPD mg/m <sup>3</sup> |
|    | Emissioner af partikler                                            | PM <sub>nom</sub> (13% O <sub>2</sub> )                                                                                        | 19   | mg/m <sup>3</sup> | PM <sub>part</sub> (13% O <sub>2</sub> )   | NPD mg/m <sup>3</sup> |
|    |                                                                    |                                                                                                                                |      |                   |                                            |                       |
|    |                                                                    | Ved nominel varmeydelse                                                                                                        |      |                   | Ved dellast varmeydelse                    |                       |
|    | Udgangstemperatur for røggas                                       | T <sub>snom</sub>                                                                                                              | 251  | °C                | T <sub>spart</sub>                         | NPD °C                |
|    | Mindste skorstenstræk                                              | P <sub>nom</sub>                                                                                                               | 13   | Pa                | P <sub>part</sub>                          | NPD Pa                |
|    | Massestrømningshastighed for tør røggas                            | Φ <sub>f,g nom</sub>                                                                                                           | 8.7  | g/s               | Φ <sub>f,g part</sub>                      | NPD g/s               |
|    |                                                                    |                                                                                                                                |      |                   |                                            |                       |
|    |                                                                    | Ved nominel varmeydelse                                                                                                        |      |                   | Ved dellast varmeydelse                    |                       |
|    | Varmeafgivelse                                                     | P <sub>nom</sub>                                                                                                               | 8    | kW                | P <sub>part</sub>                          | NPD kW                |
|    | Vandvarmeydelse                                                    | P <sub>wnom</sub>                                                                                                              | NPD  | kW                | P <sub>wpart</sub>                         | NPD kW                |
|    | Sæsonbestemt opvarmningseffektivitet                               | η <sub>nom</sub>                                                                                                               | 79.7 | %                 | η <sub>part</sub>                          | NPD %                 |
|    | Effektivitet                                                       | η <sub>s</sub>                                                                                                                 | 70   | %                 |                                            |                       |
|    | Energieffektivitet                                                 | Energieffektivitetsindeks                                                                                                      |      |                   | EEI                                        | 106                   |
|    |                                                                    | Energieffektivitetsklasse                                                                                                      |      |                   | -                                          | A                     |
|    | Elforbrug                                                          | el <sub>max</sub>                                                                                                              | NPD  | kW                | el <sub>min</sub>                          | NPD kW                |
|    | Elforbrug i standbytilstand                                        | el <sub>SB</sub>                                                                                                               |      | kW                |                                            |                       |
|    |                                                                    |                                                                                                                                |      |                   |                                            |                       |
|    | Minimumsafstand fra bagsiden til brandbart materiale               |                                                                                                                                |      |                   | d <sub>R</sub>                             | 180 mm                |
|    | Minimumsafstand fra siderne til brændbart materiale                |                                                                                                                                |      |                   | d <sub>S</sub>                             | 1500 mm               |
|    | Minimumsafstand fra toppen til brændbart materiale i loftet        |                                                                                                                                |      |                   | d <sub>C</sub>                             | 800 mm                |
|    | Minimumsafstand fra forsiden til brændbart materiale               |                                                                                                                                |      |                   |                                            |                       |

FLOKI/S/L/BLACK/V1/2025/DOP

|                                                                                                                                                                                                                           |                                                        |                                                                                                                                |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------|
| 1.                                                                                                                                                                                                                        | Jedinstveni identifikacijski kod vrste proizvoda:      | FLOKI/S/L/BLACK                                                                                                                |
|                                                                                                                                                                                                                           | Vrsta proizvoda                                        | Tip BE                                                                                                                         |
| 2.                                                                                                                                                                                                                        | Namjena(e):                                            | Grijanje prostorija u zgradama                                                                                                 |
| 3.                                                                                                                                                                                                                        | Proizvođač:                                            | Kratki.pl Marek Bał, Wsola ul. W. Gombrowicza 4, 26-660 Jedlińsk, Polska, 0048483899914, info@kratki.com, www.kratki.com       |
| 4.                                                                                                                                                                                                                        | Ovlašteni predstavnik                                  | -                                                                                                                              |
| 5.                                                                                                                                                                                                                        | Sustav(i) ocjenjivanja i provjere stalnosti svojstava: | Sustav 3                                                                                                                       |
| 6.                                                                                                                                                                                                                        | Korištene usklađene tehničke specifikacije             | EN 16510-2-2:2023-06                                                                                                           |
|                                                                                                                                                                                                                           | Izvešće o ispitivanju br.                              | CUE.4032.071.1.2022.2023.LG037                                                                                                 |
|                                                                                                                                                                                                                           | Prijavljeno tijelo/a                                   | 1452 - INSTYTUT ENERGETYKI, ul. Mory 8, 01-330 Warszawa, Polska, 0048223451200, instytut.energetyki@ien.com.pl, www.ien.com.pl |
| 7.                                                                                                                                                                                                                        | Sigurnost od požara                                    | Sukladno                                                                                                                       |
|                                                                                                                                                                                                                           | Mehanička čvrstoća dimovodnih kanala i dimnjaka        | Sukladno                                                                                                                       |
|                                                                                                                                                                                                                           | Temperatura vanjske površine                           | Sukladno                                                                                                                       |
|                                                                                                                                                                                                                           | Električna sigurnost                                   | NPD                                                                                                                            |
|                                                                                                                                                                                                                           | Ispuštanje opasnih materijala                          | NPD                                                                                                                            |
| Emisije ugljičnog monoksida                                                                                                                                                                                               |                                                        |                                                                                                                                |
| Emisije dušikovih oksida                                                                                                                                                                                                  |                                                        |                                                                                                                                |
| Emisije ugljikovodika                                                                                                                                                                                                     |                                                        |                                                                                                                                |
| Emisije čestica                                                                                                                                                                                                           |                                                        |                                                                                                                                |
| Pri nominalnom toplinskom učinku                                                                                                                                                                                          |                                                        |                                                                                                                                |
| CO <sub>nom</sub> (13% O <sub>2</sub> )                                                                                                                                                                                   |                                                        |                                                                                                                                |
| NO <sub>x nom</sub> (13% O <sub>2</sub> )                                                                                                                                                                                 |                                                        |                                                                                                                                |
| OGC <sub>nom</sub> (13% O <sub>2</sub> )                                                                                                                                                                                  |                                                        |                                                                                                                                |
| PM <sub>nom</sub> (13% O <sub>2</sub> )                                                                                                                                                                                   |                                                        |                                                                                                                                |
| Pri djelomičnom opterećenju toplinskog izlaza                                                                                                                                                                             |                                                        |                                                                                                                                |
| CO <sub>part</sub> (13% O <sub>2</sub> )                                                                                                                                                                                  |                                                        |                                                                                                                                |
| NO <sub>x part</sub> (13% O <sub>2</sub> )                                                                                                                                                                                |                                                        |                                                                                                                                |
| OGC <sub>part</sub> (13% O <sub>2</sub> )                                                                                                                                                                                 |                                                        |                                                                                                                                |
| PM <sub>part</sub> (13% O <sub>2</sub> )                                                                                                                                                                                  |                                                        |                                                                                                                                |
| Temperatura izlaza dimnih plinova                                                                                                                                                                                         |                                                        |                                                                                                                                |
| Minimalni dimnjak potisak                                                                                                                                                                                                 |                                                        |                                                                                                                                |
| Maseni protok suhog plina                                                                                                                                                                                                 |                                                        |                                                                                                                                |
| Pri nominalnom toplinskom učinku                                                                                                                                                                                          |                                                        |                                                                                                                                |
| T <sub>snom</sub>                                                                                                                                                                                                         |                                                        |                                                                                                                                |
| P <sub>nom</sub>                                                                                                                                                                                                          |                                                        |                                                                                                                                |
| Φ <sub>f,g nom</sub>                                                                                                                                                                                                      |                                                        |                                                                                                                                |
| Pri djelomičnom opterećenju toplinskog izlaza                                                                                                                                                                             |                                                        |                                                                                                                                |
| T <sub>spart</sub>                                                                                                                                                                                                        |                                                        |                                                                                                                                |
| P <sub>part</sub>                                                                                                                                                                                                         |                                                        |                                                                                                                                |
| Φ <sub>f,g part</sub>                                                                                                                                                                                                     |                                                        |                                                                                                                                |
| Toplinski izlaz                                                                                                                                                                                                           |                                                        |                                                                                                                                |
| Toplinska snaga vode                                                                                                                                                                                                      |                                                        |                                                                                                                                |
| Sezonska učinkovitost grijanja                                                                                                                                                                                            |                                                        |                                                                                                                                |
| Učinkovitost                                                                                                                                                                                                              |                                                        |                                                                                                                                |
| Energetska učinkovitost                                                                                                                                                                                                   |                                                        |                                                                                                                                |
| Potrošnja električne energije                                                                                                                                                                                             |                                                        |                                                                                                                                |
| Potrošnja električne energije u stanju pripravnosti                                                                                                                                                                       |                                                        |                                                                                                                                |
| Pri nominalnom toplinskom učinku                                                                                                                                                                                          |                                                        |                                                                                                                                |
| P <sub>nom</sub>                                                                                                                                                                                                          |                                                        |                                                                                                                                |
| P <sub>wnom</sub>                                                                                                                                                                                                         |                                                        |                                                                                                                                |
| η <sub>nom</sub>                                                                                                                                                                                                          |                                                        |                                                                                                                                |
| η <sub>s</sub>                                                                                                                                                                                                            |                                                        |                                                                                                                                |
| Indeks energetske učinkovitosti                                                                                                                                                                                           |                                                        |                                                                                                                                |
| Razred energetske učinkovitosti                                                                                                                                                                                           |                                                        |                                                                                                                                |
| el <sub>max</sub>                                                                                                                                                                                                         |                                                        |                                                                                                                                |
| el <sub>SB</sub>                                                                                                                                                                                                          |                                                        |                                                                                                                                |
| Pri djelomičnom opterećenju toplinskog izlaza                                                                                                                                                                             |                                                        |                                                                                                                                |
| P <sub>part</sub>                                                                                                                                                                                                         |                                                        |                                                                                                                                |
| P <sub>wpart</sub>                                                                                                                                                                                                        |                                                        |                                                                                                                                |
| η <sub>part</sub>                                                                                                                                                                                                         |                                                        |                                                                                                                                |
| EEI                                                                                                                                                                                                                       |                                                        |                                                                                                                                |
| -                                                                                                                                                                                                                         |                                                        |                                                                                                                                |
| el <sub>min</sub>                                                                                                                                                                                                         |                                                        |                                                                                                                                |
| NPD                                                                                                                                                                                                                       |                                                        |                                                                                                                                |
| Minimalna udaljenost od stražnjeg dijela do zapaljivog materijala                                                                                                                                                         |                                                        |                                                                                                                                |
| Minimalna udaljenost od stranica do zapaljivog materijala                                                                                                                                                                 |                                                        |                                                                                                                                |
| Minimalna udaljenost od vrha do zapaljivog materijala u stropu                                                                                                                                                            |                                                        |                                                                                                                                |
| Minimalna udaljenost od prednje strane do zapaljivog materijala                                                                                                                                                           |                                                        |                                                                                                                                |
| Minimalne udaljenosti od prednje strane do zapaljivog materijala u donjem prednjem području zračenja                                                                                                                      |                                                        |                                                                                                                                |
| Minimalne udaljenosti od prednje strane do zapaljivog materijala u bočnom prednjem području zračenja                                                                                                                      |                                                        |                                                                                                                                |
| Minimalna udaljenost ispod dna (ne uzimajući u obzir stopala) od zapaljivog materijala                                                                                                                                    |                                                        |                                                                                                                                |
| Održivost okoliša                                                                                                                                                                                                         |                                                        |                                                                                                                                |
| NPD                                                                                                                                                                                                                       |                                                        |                                                                                                                                |
| Učinak proizvoda koji je gore identificiran u skladu je sa skupom deklariranih učinaka. Ova izjava o svojstvima izdana je, u skladu s Uredbom (EU) br. 305/2011, pod isključivom odgovornošću gore navedenog proizvođača. |                                                        |                                                                                                                                |

Potpisao za i u ime proizvođača:

Voditelj odjela za istraživanje i razvoj Sylwester Kałwiński

Wsola 2025-11-22

Kierownik  
Zespołu Badawczo-Rozwojowego  
*Kałwiński*

## FLOKI/S/L/BLACK/V1/2025/DOP

|    |                                                                                                                                                                                  |                                                                                                                                 |      |                   |                                            |                       |  |
|----|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------|------|-------------------|--------------------------------------------|-----------------------|--|
| 1. | Tootetüübi unikaalne identifitseerimiskood:                                                                                                                                      | FLOKI/S/L/BLACK                                                                                                                 |      |                   |                                            |                       |  |
|    | Toote tüüp                                                                                                                                                                       | Tüüp BE                                                                                                                         |      |                   |                                            |                       |  |
| 2. | Kasutusotstarve(d):                                                                                                                                                              | Hoonete ruumide kütmine                                                                                                         |      |                   |                                            |                       |  |
| 3. | Tootja:                                                                                                                                                                          | Kratki.pl Marek Bal, Wsola ul. W. Gombrowicza 4, 26-660 Jedlińsk, Polska, 0048483899914, info@kratki.com, www.kratki.com        |      |                   |                                            |                       |  |
| 4. | Volitatud esindaja                                                                                                                                                               | -                                                                                                                               |      |                   |                                            |                       |  |
| 5. | Toimivuse püsivuse hindamise ja kontrollimise süsteem(id):                                                                                                                       | Süsteem 3                                                                                                                       |      |                   |                                            |                       |  |
| 6. | Kasutatud ühtlustatud tehnilised kirjeldused                                                                                                                                     | EN 16510-2-2:2023-06                                                                                                            |      |                   |                                            |                       |  |
|    | Katsearuande nr.                                                                                                                                                                 | CUE.4032.071.1.2022.2023.LG037                                                                                                  |      |                   |                                            |                       |  |
|    | Teavitatud asutus/asutused                                                                                                                                                       | 1452 - INSTYTUT ENERGETYKI, ul. Mory 8, 01-330 Warszawa, Polska, 0048223451200, instytut.energetyki@ien.com.pl, www.iien.com.pl |      |                   |                                            |                       |  |
| 7. | Tuleohutus                                                                                                                                                                       | Vastab                                                                                                                          |      |                   |                                            |                       |  |
|    | Suitsugaasikanalite ja lõõride mehaaniline tugevus                                                                                                                               | Vastab                                                                                                                          |      |                   |                                            |                       |  |
|    | Välispinna temperatuur                                                                                                                                                           | Vastab                                                                                                                          |      |                   |                                            |                       |  |
|    | Elektriohutus                                                                                                                                                                    | NPD                                                                                                                             |      |                   |                                            |                       |  |
|    | Ohtlike materjalide eraldumine                                                                                                                                                   | NPD                                                                                                                             |      |                   |                                            |                       |  |
|    |                                                                                                                                                                                  |                                                                                                                                 |      |                   |                                            |                       |  |
|    | Süsinikmonooksiidi heitkogused                                                                                                                                                   | Nimisoojusvõimsusel                                                                                                             |      |                   | Osalise koormuse korral soojusvõimsus      |                       |  |
|    | Lämmastikoksiidide heitkogused                                                                                                                                                   | CO <sub>nom</sub> (13% O <sub>2</sub> )                                                                                         | 911  | mg/m <sup>3</sup> | CO <sub>part</sub> (13% O <sub>2</sub> )   | NPD mg/m <sup>3</sup> |  |
|    | Süsivesinike heitkogused                                                                                                                                                         | NO <sub>x nom</sub> (13% O <sub>2</sub> )                                                                                       | 108  | mg/m <sup>3</sup> | NO <sub>x part</sub> (13% O <sub>2</sub> ) | NPD mg/m <sup>3</sup> |  |
|    | Tahkete osakeste heitkogused                                                                                                                                                     | OGC <sub>nom</sub> (13% O <sub>2</sub> )                                                                                        | 75   | mg/m <sup>3</sup> | OGC <sub>part</sub> (13% O <sub>2</sub> )  | NPD mg/m <sup>3</sup> |  |
|    |                                                                                                                                                                                  | PM <sub>nom</sub> (13% O <sub>2</sub> )                                                                                         | 19   | mg/m <sup>3</sup> | PM <sub>part</sub> (13% O <sub>2</sub> )   | NPD mg/m <sup>3</sup> |  |
|    |                                                                                                                                                                                  |                                                                                                                                 |      |                   |                                            |                       |  |
|    | Suitsugaasi väljalasketemperatuur                                                                                                                                                | Nimisoojusvõimsusel                                                                                                             |      |                   | Osalise koormuse korral soojusvõimsus      |                       |  |
|    | Minimaalne korstnatõmme                                                                                                                                                          | T <sub>snom</sub>                                                                                                               | 251  | °C                | T <sub>spart</sub>                         | NPD °C                |  |
|    | Kuiva kütusegaasi massivoolukiirus                                                                                                                                               | P <sub>nom</sub>                                                                                                                | 13   | Pa                | P <sub>part</sub>                          | NPD Pa                |  |
|    |                                                                                                                                                                                  | Φ <sub>f,g nom</sub>                                                                                                            | 8.7  | g/s               | Φ <sub>f,g part</sub>                      | NPD g/s               |  |
|    |                                                                                                                                                                                  |                                                                                                                                 |      |                   |                                            |                       |  |
|    | Soojusvõimsus                                                                                                                                                                    | Nimisoojusvõimsusel                                                                                                             |      |                   | Osalise koormuse korral soojusvõimsus      |                       |  |
|    | Vee soojusvõimsus                                                                                                                                                                | P <sub>nom</sub>                                                                                                                | 8    | kW                | P <sub>part</sub>                          | NPD kW                |  |
|    | Hooajaline küttestõhusus                                                                                                                                                         | P <sub>wnom</sub>                                                                                                               | NPD  | kW                | P <sub>wpart</sub>                         | NPD kW                |  |
|    | Tõhusus                                                                                                                                                                          | η <sub>nom</sub>                                                                                                                | 79.7 | %                 | η <sub>part</sub>                          | NPD %                 |  |
|    | Energiaatõhusus                                                                                                                                                                  | η <sub>s</sub>                                                                                                                  | 70   | %                 |                                            |                       |  |
|    |                                                                                                                                                                                  | Energiaatõhususe indeks                                                                                                         |      |                   | EEI                                        | 106                   |  |
|    |                                                                                                                                                                                  | Energiaatõhususe klass                                                                                                          |      |                   | -                                          | A                     |  |
|    | Elektrienergia tarbimine                                                                                                                                                         | e <sub>l max</sub>                                                                                                              | NPD  | kW                | e <sub>l min</sub>                         | NPD kW                |  |
|    | Elektrienergia tarbimine ooterežiimis                                                                                                                                            | e <sub>l sb</sub>                                                                                                               |      | kW                |                                            |                       |  |
|    |                                                                                                                                                                                  |                                                                                                                                 |      |                   |                                            |                       |  |
|    | Minimaalne kaugus tagant süttiva materjalini                                                                                                                                     |                                                                                                                                 |      |                   | d <sub>R</sub>                             | 180 mm                |  |
|    | Minimaalne kaugus külgedelt põleva materjalini                                                                                                                                   |                                                                                                                                 |      |                   | d <sub>S</sub>                             | 1500 mm               |  |
|    | Minimaalne kaugus laes olevast põlevast materjalist ülevalt                                                                                                                      |                                                                                                                                 |      |                   | d <sub>C</sub>                             | 800 mm                |  |
|    | Minimaalne kaugus esiosast põleva materjalini                                                                                                                                    |                                                                                                                                 |      |                   | d <sub>P</sub>                             | 1500 mm               |  |
|    | Minimaalsed kaugused esiosast põleva materjalini alumises esikiirgusalas                                                                                                         |                                                                                                                                 |      |                   | d <sub>F</sub>                             | 1500 mm               |  |
|    | Minimaalsed kaugused esiosast põleva materjalini külgmises esikiirgusalas                                                                                                        |                                                                                                                                 |      |                   | d <sub>L</sub>                             | NPD mm                |  |
|    | Minimaalne kaugus põhjast (jalgu arvestamata) süttiva materjalini                                                                                                                |                                                                                                                                 |      |                   | d <sub>B</sub>                             | 0 mm                  |  |
|    |                                                                                                                                                                                  |                                                                                                                                 |      |                   |                                            |                       |  |
|    | Keskkonnasäästlikkus                                                                                                                                                             | NPD                                                                                                                             |      |                   |                                            |                       |  |
|    | Ülaltoodud toote toimivus vastab deklareeritud toimivus(te)le. See toimivusdeklaratsioon antakse välja vastavalt määrusele (EL) nr 305/2011 ülalnimetatud tootja ainuvastutusel. |                                                                                                                                 |      |                   |                                            |                       |  |

Tootja nimel ja nimel allkirjastas:  
Teadus- ja arendusosakonna juhataja Sylwester Katwiński

Kierownik  
Zespołu Badawczo-Rozwojowego  
*Katwiński*

FLOKI/S/L/BLACK/V1/2025/DOP

|                                                                                                                                                                                                                                                                     |                                                                                                       |                                                                                                                                |                       |                                            |                       |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------|-----------------------|--------------------------------------------|-----------------------|
| 1.                                                                                                                                                                                                                                                                  | Kodiċi ta' identifikazzjoni uniku tat-tip ta' prodott:                                                | FLOKI/S/L/BLACK                                                                                                                |                       |                                            |                       |
|                                                                                                                                                                                                                                                                     | Tip ta' prodott                                                                                       | TipBE                                                                                                                          |                       |                                            |                       |
| 2.                                                                                                                                                                                                                                                                  | Użu(i) intenzjonat(i):                                                                                |                                                                                                                                |                       |                                            |                       |
| 3.                                                                                                                                                                                                                                                                  | Manifattur:                                                                                           | Kratki.pl Marek Bał, Wsola ul. W. Gombrowicza 4, 26-660 Jedlińsk, Polska, 0048483899914, info@kratki.com, www.kratki.com       |                       |                                            |                       |
| 4.                                                                                                                                                                                                                                                                  | Rappreżentant awtorizzat                                                                              | -                                                                                                                              |                       |                                            |                       |
| 5.                                                                                                                                                                                                                                                                  | Sistema(i) ta' valutazzjoni u verifika tal-kostanza tal-prestazzjoni:                                 | Sistema 3                                                                                                                      |                       |                                            |                       |
| 6.                                                                                                                                                                                                                                                                  | Speċifikazzjonijiet tekniċi armonizzati użati                                                         | EN 16510-2-2:2023-06                                                                                                           |                       |                                            |                       |
|                                                                                                                                                                                                                                                                     | Rapport tat-test nru.                                                                                 | CUE.4032.071.1.2022.2023.LG037                                                                                                 |                       |                                            |                       |
|                                                                                                                                                                                                                                                                     | Korp/i notifikati                                                                                     | 1452 - INSTYTUT ENERGETYKI, ul. Mory 8, 01-330 Warszawa, Polska, 0048223451200, instytut.energetyki@ien.com.pl, www.ien.com.pl |                       |                                            |                       |
| 7.                                                                                                                                                                                                                                                                  | Sigurtà tan-nar                                                                                       | Jikkonforma                                                                                                                    |                       |                                            |                       |
|                                                                                                                                                                                                                                                                     | Saħħa mekkanika tal-kanali u l-kanali tal-gass taċ-ċumnija                                            | Jikkonforma                                                                                                                    |                       |                                            |                       |
|                                                                                                                                                                                                                                                                     | Temperatura esterna tal-wiċċ                                                                          | Jikkonforma                                                                                                                    |                       |                                            |                       |
|                                                                                                                                                                                                                                                                     | Sigurtà elettrika                                                                                     | NPD                                                                                                                            |                       |                                            |                       |
|                                                                                                                                                                                                                                                                     | Rilaxx ta' materjali perikolużi                                                                       | NPD                                                                                                                            |                       |                                            |                       |
|                                                                                                                                                                                                                                                                     |                                                                                                       |                                                                                                                                |                       |                                            |                       |
|                                                                                                                                                                                                                                                                     | Emissjonijiet ta' monossidu tal-karbonju                                                              | Fil-produzzjoni tas-sħana nominali                                                                                             |                       | Hruġ tas-sħana b'tagħbija parzjali         |                       |
|                                                                                                                                                                                                                                                                     | Emissjonijiet ta' ossidi tan-nitroġenu                                                                | CO <sub>nom</sub> (13% O <sub>2</sub> )                                                                                        | 911 mg/m <sup>3</sup> | CO <sub>part</sub> (13% O <sub>2</sub> )   | NPD mg/m <sup>3</sup> |
|                                                                                                                                                                                                                                                                     | Emissjonijiet ta' idrokarburi                                                                         | NO <sub>x nom</sub> (13% O <sub>2</sub> )                                                                                      | 108 mg/m <sup>3</sup> | NO <sub>x part</sub> (13% O <sub>2</sub> ) | NPD mg/m <sup>3</sup> |
|                                                                                                                                                                                                                                                                     | Emissjonijiet ta' materja partikulata                                                                 | OGC <sub>nom</sub> (13% O <sub>2</sub> )                                                                                       | 75 mg/m <sup>3</sup>  | OGC <sub>part</sub> (13% O <sub>2</sub> )  | NPD mg/m <sup>3</sup> |
|                                                                                                                                                                                                                                                                     |                                                                                                       | PM <sub>nom</sub> (13% O <sub>2</sub> )                                                                                        | 19 mg/m <sup>3</sup>  | PM <sub>part</sub> (13% O <sub>2</sub> )   | NPD mg/m <sup>3</sup> |
|                                                                                                                                                                                                                                                                     |                                                                                                       |                                                                                                                                |                       |                                            |                       |
|                                                                                                                                                                                                                                                                     | Temperatura tal-hruġ tal-gass tad-duħħan                                                              | Fil-produzzjoni tas-sħana nominali                                                                                             |                       | Hruġ tas-sħana b'tagħbija parzjali         |                       |
|                                                                                                                                                                                                                                                                     | Trakk tal-kamin minimu                                                                                | T <sub>snom</sub>                                                                                                              | 251 °C                | T <sub>spart</sub>                         | NPD °C                |
|                                                                                                                                                                                                                                                                     | Rata tal-fluss tal-massa tal-gass tal-fjuwil niexef                                                   | P <sub>nom</sub>                                                                                                               | 13 Pa                 | P <sub>part</sub>                          | NPD Pa                |
|                                                                                                                                                                                                                                                                     |                                                                                                       | Φ <sub>f,g nom</sub>                                                                                                           | 8.7 g/s               | Φ <sub>f,g part</sub>                      | NPD g/s               |
|                                                                                                                                                                                                                                                                     |                                                                                                       |                                                                                                                                |                       |                                            |                       |
|                                                                                                                                                                                                                                                                     | Produzzjoni tas-sħana                                                                                 | Fil-produzzjoni tas-sħana nominali                                                                                             |                       | Hruġ tas-sħana b'tagħbija parzjali         |                       |
|                                                                                                                                                                                                                                                                     | Produzzjoni tas-sħana tal-ilma                                                                        | P <sub>nom</sub>                                                                                                               | 8 kW                  | P <sub>part</sub>                          | NPD kW                |
|                                                                                                                                                                                                                                                                     | Effiċjenza tat-tishin stagjonali                                                                      | P <sub>wnom</sub>                                                                                                              | NPD kW                | P <sub>wpart</sub>                         | NPD kW                |
|                                                                                                                                                                                                                                                                     | Effiċjenza                                                                                            | η <sub>nom</sub>                                                                                                               | 79.7 %                | η <sub>part</sub>                          | NPD %                 |
|                                                                                                                                                                                                                                                                     | Effiċjenza fl-enerġija                                                                                | η <sub>s</sub>                                                                                                                 | 70 %                  |                                            |                       |
|                                                                                                                                                                                                                                                                     |                                                                                                       | Indiċi tal-Effiċjenza Enerġetika                                                                                               |                       | EEI                                        | 106                   |
|                                                                                                                                                                                                                                                                     |                                                                                                       | Klassi tal-effiċjenza enerġetika                                                                                               |                       | -                                          | A                     |
|                                                                                                                                                                                                                                                                     | Konsum tal-elettriku                                                                                  | e <sub>l,max</sub>                                                                                                             | NPD kW                | e <sub>l,min</sub>                         | NPD kW                |
|                                                                                                                                                                                                                                                                     | Konsum tal-elettriku fil-modalità standby                                                             | e <sub>l,SB</sub>                                                                                                              | kW                    |                                            |                       |
|                                                                                                                                                                                                                                                                     |                                                                                                       |                                                                                                                                |                       |                                            |                       |
|                                                                                                                                                                                                                                                                     | Distanza minima minn wara għal materjal kombustibbli                                                  |                                                                                                                                |                       | d <sub>R</sub>                             | 180 mm                |
|                                                                                                                                                                                                                                                                     | Distanza minima mill-ġnub għall-materjal kombustibbli                                                 |                                                                                                                                |                       | d <sub>S</sub>                             | 1500 mm               |
|                                                                                                                                                                                                                                                                     | Distanza minima minn fuq sal-materjal kombustibbli fis-saqaf                                          |                                                                                                                                |                       | d <sub>C</sub>                             | 800 mm                |
|                                                                                                                                                                                                                                                                     | Distanza minima minn quddiem għal materjal kombustibbli                                               |                                                                                                                                |                       | d <sub>P</sub>                             | 1500 mm               |
|                                                                                                                                                                                                                                                                     | Distanzi minimi minn quddiem għal materjal kombustibbli fiż-żona tar-radjazzjoni ta' quddiem t'isfel  |                                                                                                                                |                       | d <sub>F</sub>                             | 1500 mm               |
|                                                                                                                                                                                                                                                                     | Distanzi minimi minn quddiem għal materjal kombustibbli fiż-żona tar-radjazzjoni ta' quddiem tal-ġenb |                                                                                                                                |                       | d <sub>L</sub>                             | NPD mm                |
|                                                                                                                                                                                                                                                                     | Distanza minima taħt il-qiegħ (mingħajr ma tirrigwarda s-saqajn) għal materjal kombustibbli           |                                                                                                                                |                       | d <sub>B</sub>                             | 0 mm                  |
|                                                                                                                                                                                                                                                                     |                                                                                                       |                                                                                                                                |                       |                                            |                       |
|                                                                                                                                                                                                                                                                     | Sostenibbiltà ambjentali                                                                              | NPD                                                                                                                            |                       |                                            |                       |
| Il-prestazzjoni tal-prodott identifikat hawn fuq hija konformi mas-sett ta' prestazzjoni/jiet iddikjarati. Din id-dikjarazzjoni ta' prestazzjoni tinħareġ, skont ir-Regolament (UE) Nru 305/2011, taħt ir-responsabbiltà unika tal-manifattur identifikat hawn fuq. |                                                                                                       |                                                                                                                                |                       |                                            |                       |

Iffirmat għal u f'isem il-manifattur minn:  
Kap tad-dipartiment tar-riċerka u l-iżvilupp Sylwester Kałwiński

Kierownik  
Zespołu Badawczo-Rozwojowego  
*Kałwiński*

Wsola 2025-11-22

## FLOKI/S/L/BLACK/V1/2025/DOP

|    |                                                                                                                                                                                                                                                                         |                                                                                                                                |      |                   |  |                                            |                       |
|----|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------|------|-------------------|--|--------------------------------------------|-----------------------|
| 1. | Cód aitheantais uathúil den chineál táirge:                                                                                                                                                                                                                             | FLOKI/S/L/BLACK                                                                                                                |      |                   |  |                                            |                       |
|    | Cineál táirge                                                                                                                                                                                                                                                           | Cineál                                                                                                                         | BE   |                   |  |                                            |                       |
| 2. | Úsáid(i) atá beartaithe:                                                                                                                                                                                                                                                | Téamh seomraí i bhfoirgnimh                                                                                                    |      |                   |  |                                            |                       |
| 3. | Monaróir:                                                                                                                                                                                                                                                               | Kratki.pl Marek Bał, Wsola ul. W. Gombrowicza 4, 26-660 Jedlińsk, Polska, 0048483899914, info@kratki.com, www.kratki.com       |      |                   |  |                                            |                       |
| 4. | Ionadaí údaráithe                                                                                                                                                                                                                                                       | -                                                                                                                              |      |                   |  |                                            |                       |
| 5. | Córas/córais measúnaithe agus fíoraithe ar sheasmhacht feidhmíochta:                                                                                                                                                                                                    | Córas 3                                                                                                                        |      |                   |  |                                            |                       |
| 6. | Sonraíochtaí teicniúla comhchuibhithe a úsáideadh                                                                                                                                                                                                                       | EN 16510-2-2:2023-06                                                                                                           |      |                   |  |                                            |                       |
|    | Tuarascáil tástála uimh.                                                                                                                                                                                                                                                | CUE.4032.071.1.2022.2023.LG037                                                                                                 |      |                   |  |                                            |                       |
|    | Comhlachtaí dá dtugtar fógra                                                                                                                                                                                                                                            | 1452 - INSTYTUT ENERGETYKI, ul. Mory 8, 01-330 Warszawa, Polska, 0048223451200, instytut.energetyki@ien.com.pl, www.ien.com.pl |      |                   |  |                                            |                       |
| 7. | Sábháilteacht dóiteáin                                                                                                                                                                                                                                                  | Comhlíonann                                                                                                                    |      |                   |  |                                            |                       |
|    | Nearrt meicniúil duchtanna agus simléir gáis sceite                                                                                                                                                                                                                     | Comhlíonann                                                                                                                    |      |                   |  |                                            |                       |
|    | Teocht dromchla seachtrach                                                                                                                                                                                                                                              | Comhlíonann                                                                                                                    |      |                   |  |                                            |                       |
|    | Sábháilteacht leictreach                                                                                                                                                                                                                                                | NPD                                                                                                                            |      |                   |  |                                            |                       |
|    | Scaoileadh ábhar guaiseach                                                                                                                                                                                                                                              | NPD                                                                                                                            |      |                   |  |                                            |                       |
|    | Astaíochtaí monocsíd charbóin                                                                                                                                                                                                                                           | Ag aschur teasa ainmniúil                                                                                                      |      |                   |  | Aschur teasa ag ualaigh pháirtigh          |                       |
|    |                                                                                                                                                                                                                                                                         | CO <sub>nom</sub> (13% O <sub>2</sub> )                                                                                        | 911  | mg/m <sup>3</sup> |  | CO <sub>part</sub> (13% O <sub>2</sub> )   | NPD mg/m <sup>3</sup> |
|    | Astaíochtaí ocsaídí nítrigine                                                                                                                                                                                                                                           | NO <sub>x nom</sub> (13% O <sub>2</sub> )                                                                                      | 108  | mg/m <sup>3</sup> |  | NO <sub>x part</sub> (13% O <sub>2</sub> ) | NPD mg/m <sup>3</sup> |
|    | Astaíochtaí hidreacarbón                                                                                                                                                                                                                                                | OGC <sub>nom</sub> (13% O <sub>2</sub> )                                                                                       | 75   | mg/m <sup>3</sup> |  | OGC <sub>part</sub> (13% O <sub>2</sub> )  | NPD mg/m <sup>3</sup> |
|    | Astaíochtaí ábhair cháithnínacha                                                                                                                                                                                                                                        | PM <sub>nom</sub> (13% O <sub>2</sub> )                                                                                        | 19   | mg/m <sup>3</sup> |  | PM <sub>part</sub> (13% O <sub>2</sub> )   | NPD mg/m <sup>3</sup> |
|    | Teocht aschuir gháis deataigh                                                                                                                                                                                                                                           | Ag aschur teasa ainmniúil                                                                                                      |      |                   |  | Aschur teasa ag ualaigh pháirtigh          |                       |
|    |                                                                                                                                                                                                                                                                         | T <sub>s nom</sub>                                                                                                             | 251  | °C                |  | T <sub>s part</sub>                        | NPD °C                |
|    | Tarraingt íosta simléir                                                                                                                                                                                                                                                 | P <sub>nom</sub>                                                                                                               | 13   | Pa                |  | P <sub>part</sub>                          | NPD Pa                |
|    | Ráta sreafa maise gáis bhreosla thirim                                                                                                                                                                                                                                  | Φ <sub>f,g nom</sub>                                                                                                           | 8.7  | g/s               |  | Φ <sub>f,g part</sub>                      | NPD g/s               |
|    | Aschur teasa                                                                                                                                                                                                                                                            | Ag aschur teasa ainmniúil                                                                                                      |      |                   |  | Aschur teasa ag ualaigh pháirtigh          |                       |
|    |                                                                                                                                                                                                                                                                         | P <sub>nom</sub>                                                                                                               | 8    | kW                |  | P <sub>part</sub>                          | NPD kW                |
|    | Aschur teasa uisce                                                                                                                                                                                                                                                      | P <sub>w nom</sub>                                                                                                             | NPD  | kW                |  | P <sub>w part</sub>                        | NPD kW                |
|    | Éifeachtúlacht téimh shéasúrach                                                                                                                                                                                                                                         | η <sub>nom</sub>                                                                                                               | 79.7 | %                 |  | η <sub>part</sub>                          | NPD %                 |
|    | Éifeachtúlacht                                                                                                                                                                                                                                                          | η <sub>s</sub>                                                                                                                 | 70   | %                 |  |                                            |                       |
|    | Éifeachtúlacht fuinnimh                                                                                                                                                                                                                                                 | Innéacs Éifeachtúlachta Fuinnimh                                                                                               |      |                   |  | EEI                                        | 106                   |
|    |                                                                                                                                                                                                                                                                         | Aicme éifeachtúlachta fuinnimh                                                                                                 |      |                   |  | -                                          | A                     |
|    | Tomhaltas leictreachais                                                                                                                                                                                                                                                 | e <sub>l max</sub>                                                                                                             | NPD  | kW                |  | e <sub>l min</sub>                         | NPD kW                |
|    | Tomhaltas leictreachais i mód fuireachais                                                                                                                                                                                                                               | e <sub>l SB</sub>                                                                                                              |      | kW                |  |                                            |                       |
|    | Fad íosta ón gcúl go dtí ábhar inadhainte                                                                                                                                                                                                                               | d <sub>R</sub>                                                                                                                 | 180  | mm                |  |                                            |                       |
|    | An fad íosta ó na taobhanna go dtí ábhar inadhainte                                                                                                                                                                                                                     | d <sub>S</sub>                                                                                                                 | 1500 | mm                |  |                                            |                       |
|    | An fad íosta ón mbarr go dtí ábhar inadhainte sa tsíleáil                                                                                                                                                                                                               | d <sub>C</sub>                                                                                                                 | 800  | mm                |  |                                            |                       |
|    | An fad íosta ón tosaigh go dtí ábhar inadhainte                                                                                                                                                                                                                         | d <sub>P</sub>                                                                                                                 | 1500 | mm                |  |                                            |                       |
|    | Fad íosta ón tosaigh go dtí ábhar inadhainte sa limistéar radaíochta bun tosaigh                                                                                                                                                                                        | d <sub>F</sub>                                                                                                                 | 1500 | mm                |  |                                            |                       |
|    | Fad íosta ón tosaigh go dtí ábhar inadhainte sa limistéar radaíochta taobh tosaigh                                                                                                                                                                                      | d <sub>L</sub>                                                                                                                 | NPD  | mm                |  |                                            |                       |
|    | An fad íosta faoin mbun (gan na cosa a áireamh) go dtí ábhar inadhainte                                                                                                                                                                                                 | d <sub>B</sub>                                                                                                                 | 0    | mm                |  |                                            |                       |
|    | Inbhuanaitheacht chomhshaoil                                                                                                                                                                                                                                            | NPD                                                                                                                            |      |                   |  |                                            |                       |
|    | Tá feidhmíocht an táirge a shainaithnítear thuas i gcomhréir leis an tacar feidhmíochta/na feidhmíochtaí dearbhaithe. Eisítear an dearbhú feidhmíochta seo, i gcomhréir le Rialachán (AE) Uimh. 305/2011, faoi fhreagracht aonair an mhonaróra a shainaithnítear thuas. |                                                                                                                                |      |                   |  |                                            |                       |

Arna shíniú le haghaidh agus thar ceann an mhonaróra ag:  
Ceann na roinne taighde agus forbartha Sylwester Kałwiński

Kierownik  
Zespołu Badawczo-Rozwojowego  
*Kałwiński*

## FLOKI/S/L/BLACK/V1/2025/DOP

|    |                                                                    |                                                                                                                                |
|----|--------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------|
| 1. | Código de identificação único do tipo de produto:                  | FLOKI/S/L/BLACK                                                                                                                |
|    | Tipo de produto                                                    | Tipo BE                                                                                                                        |
| 2. | Utilização(ões) pretendida(s):                                     | Aquecimento de salas em edifícios                                                                                              |
| 3. | Fabricante:                                                        | Kratki.pl Marek Bał, Wsola ul. W. Gombrowicza 4, 26-660 Jedlińsk, Polska, 0048483899914, info@kratki.com, www.kratki.com       |
| 4. | Representante autorizado                                           | -                                                                                                                              |
| 5. | Sistema(s) de avaliação e verificação da constância do desempenho: | Sistema 3                                                                                                                      |
| 6. | Especificações técnicas harmonizadas utilizadas                    | EN 16510-2-2:2023-06                                                                                                           |
|    | Número do relatório de ensaio                                      | CUE.4032.071.1.2022.2023.LG037                                                                                                 |
|    | Organismo(s) notificado(s)                                         | 1452 - INSTYTUT ENERGETYKI, ul. Mory 8, 01-330 Warszawa, Polska, 0048223451200, instytut.energetyki@ien.com.pl, www.ien.com.pl |

|    |                                                                    |        |
|----|--------------------------------------------------------------------|--------|
| 7. | Segurança contra incêndio                                          | Cumpre |
|    | Resistência mecânica das condutas e chaminés de gases de combustão | Cumpre |
|    | Temperatura da superfície exterior                                 | Cumpre |
|    | Segurança elétrica                                                 | NPD    |
|    | Libertação de materiais perigosos                                  | NPD    |

|                                  | Com potência térmica nominal              |     |                   | Com potência térmica de carga parcial      |     |                   |
|----------------------------------|-------------------------------------------|-----|-------------------|--------------------------------------------|-----|-------------------|
| Emissões de monóxido de carbono  | CO <sub>nom</sub> (13% O <sub>2</sub> )   | 911 | mg/m <sup>3</sup> | CO <sub>part</sub> (13% O <sub>2</sub> )   | NPD | mg/m <sup>3</sup> |
| Emissões de óxidos de azoto      | NO <sub>x nom</sub> (13% O <sub>2</sub> ) | 108 | mg/m <sup>3</sup> | NO <sub>x part</sub> (13% O <sub>2</sub> ) | NPD | mg/m <sup>3</sup> |
| Emissões de hidrocarbonetos      | OGC <sub>nom</sub> (13% O <sub>2</sub> )  | 75  | mg/m <sup>3</sup> | OGC <sub>part</sub> (13% O <sub>2</sub> )  | NPD | mg/m <sup>3</sup> |
| Emissões de material particulado | PM <sub>nom</sub> (13% O <sub>2</sub> )   | 19  | mg/m <sup>3</sup> | PM <sub>part</sub> (13% O <sub>2</sub> )   | NPD | mg/m <sup>3</sup> |

|                                             | Com potência térmica nominal |     |     | Com potência térmica de carga parcial |     |     |
|---------------------------------------------|------------------------------|-----|-----|---------------------------------------|-----|-----|
| Temperatura de saída dos gases de combustão | T <sub>snom</sub>            | 251 | °C  | T <sub>spart</sub>                    | NPD | °C  |
| Depressão mínima da chaminé                 | P <sub>nom</sub>             | 13  | Pa  | P <sub>part</sub>                     | NPD | Pa  |
| Caudal mássico de gases de combustão secos  | Φ <sub>f,g nom</sub>         | 8.7 | g/s | Φ <sub>f,g part</sub>                 | NPD | g/s |

|                                         | Com potência térmica nominal    |      |    | Com potência térmica de carga parcial |     |     |
|-----------------------------------------|---------------------------------|------|----|---------------------------------------|-----|-----|
| Potência térmica                        | P <sub>nom</sub>                | 8    | kW | P <sub>part</sub>                     | NPD | kW  |
| Potência térmica da água                | P <sub>wnom</sub>               | NPD  | kW | P <sub>wpart</sub>                    | NPD | kW  |
| Eficiência de aquecimento sazonal       | η <sub>nom</sub>                | 79.7 | %  | η <sub>part</sub>                     | NPD | %   |
| Eficiência                              | η <sub>s</sub>                  | 70   | %  |                                       |     |     |
| Eficiência energética                   | Índice de Eficiência Energética |      |    |                                       | EEI | 106 |
|                                         | Classe de eficiência energética |      |    |                                       | -   | A   |
| Electricity consumption                 | el <sub>max</sub>               | NPD  | kW | el <sub>min</sub>                     | NPD | kW  |
| Electricity consumption in standby mode | el <sub>SB</sub>                |      | kW |                                       |     |     |

|                                                                                           |                |      |    |
|-------------------------------------------------------------------------------------------|----------------|------|----|
| Distância mínima da parte traseira ao material combustível                                | d <sub>R</sub> | 180  | mm |
| Distância mínima das laterais ao material combustível                                     | d <sub>S</sub> | 1500 | mm |
| Distância mínima do topo ao material combustível no teto                                  | d <sub>C</sub> | 800  | mm |
| Distância mínima da frente ao material combustível                                        | d <sub>P</sub> | 1500 | mm |
| Distâncias mínimas da frente ao material combustível na zona de radiação frontal inferior | d <sub>F</sub> | 1500 | mm |
| Distâncias mínimas da frente ao material combustível na zona de radiação frontal lateral  | d <sub>L</sub> | NPD  | mm |
| Distância mínima abaixo da base (sem considerar os pés) ao material combustível           | d <sub>B</sub> | 0    | mm |

|                                                                                                                                                                                                                                                                                |     |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|
| Sustentabilidade ambiental                                                                                                                                                                                                                                                     | NPD |
| O desempenho do produto acima identificado está em conformidade com o conjunto de desempenho(s) declarado(s). A presente declaração de desempenho é emitida, de acordo com o Regulamento (UE) n.º 305/2011, sob a exclusiva responsabilidade do fabricante acima identificado. |     |

Assinado por e em nome do fabricante por:  
Chefe do departamento de investigação e desenvolvimento Sylwester Katwiński

Kierownik  
Zespołu Badawczo-Rozwojowego  
*Katwiński*

Wsola 2025-11-22