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| Declaration of Performance |
| **No. 027-DOP-2024-10-28** |

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| 1. | Unique identification code of the product-type: | **Multi-wall Metal System Chimney (with 25 and 50 mm insulation)**  **ICS 5000** | | | | |
| 2. | Intended use: | **Convey the products of combustion from heating appliances to the outside atmosphere** | | | | |
| 3. | Product designations: | | Model 1 | DN (80 – 300) | | **T600 H1 D V3 L50050 O75** |
|  |  | |  | DN (350 - 450) | | **T600 H1 D V3 L50050 O112,5** |
|  |  | |  | DN (500 - 600) | | **T600 H1 D V3 L50050 O150** |
|  |  | |  |  | |  |
|  |  | | Model 2 | DN (80 – 300) | | **T600 H1 D V2 L99050 O75** |
|  |  | |  | DN (350 - 450) | | **T600 H1 D V2 L99050 O112,5** |
|  |  | |  | DN (500 - 600) | | **T600 H1 D V2 L99050 O150** |
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|  |  | | Model 3 | DN (80 – 300) | | **T600 H1 D Vm L20050 O75** |
|  |  | |  | DN (350 - 450) | | **T600 H1 D Vm L20050 O112,5** |
|  |  | |  | DN (500 - 600) | | **T600 H1 D Vm L20050 O150** |
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|  |  | | Model 4 | DN (80 – 200) | | **T200 H1 W V2 L50050 O50** |
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|  |  | | Model 5 | DN (80 – 300) | | **T600 H1 D V3 L50050 O25** |
|  |  | |  | DN (350 - 450) | | **T600 H1 D V3 L50050 O37,5** |
|  |  | |  | DN (500 - 600) | | **T600 H1 D V3 L50050 O50** |
|  |  | |  |  | |  |
|  |  | | Model 6 | DN (80 – 300) | | **T600 H1 D V2 L99050 O25** |
|  |  | |  | DN (350 - 450) | | **T600 H1 D V2 L99050 O37,5** |
|  |  | |  | DN (500 - 600) | | **T600 H1 D V2 L99050 O50** |
|  |  | |  |  | |  |
|  |  | | Model 7 | DN (80 – 300) | | **T600 H1 D Vm L20050 O25** |
|  |  | |  | DN (350 - 450) | | **T600 H1 D Vm L20050 O37,5** |
|  |  | |  | DN (500 - 600) | | **T600 H1 D Vm L20050 O50** |
|  |  | |  |  | |  |
|  |  | | **L99 material = 1.4521 (444)** | |  | |
|  |  | Models 1 - 4 with 25 mm insulation  Models 5 - 7 with 50 mm insulation | | | | |
|  | | | | | | |
| 4. | Manufacturer: | **Schiedel s.r.o.,**  **Horoušanská 286,**  **CZ-250 81 Nehvizdy** | | | | |
| 5. | Authorized representative: | **N/A** | | | | |
| 6. | System(s) of AVCP: | **System 2+** (and System 4 for terminals) | | | | |
| 7. | Harmonized standard: | **EN 1856-1:2009** | | | | |
|  | Notified body: | **0036** | | | | |

8. Declared performance:

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| **Essential characteristics** | **Performance** | **Harmonized technical specification** |
| Compressive strength | Model(s) 1 to 4:  DN (80 – 130): **22 m**  DN (150 - 180): **18 m**  DN (200 - 300): **18 m**  DN (350 - 450): **12 m**  DN (500 - 550): **12 m**  DN (600): **10 m**  Model(s) 5 to 7:  DN (80 - 300): **15 m**  DN (350 - 600): **10 m** | EN 1856-1: 2009 |
| Chimney sections, fittings and supports | For further information see installation instructions |
| Resistance to fire | Model(s) 1 to 3:  DN (80 – 300): **T600 O75**  DN (350 - 450): **T600 O112,5**  DN (500 - 600): **T600 O150**  Model 4:  DN (80 – 200): **T200 O50**  Model(s) 5 to 7:  DN (80 – 300): **T600 O25**  DN (350 - 450): **T600 O37,5**  DN (500 - 600): **T600 O50**  Tested fully ventilated | EN 1856-1: 2009 |
| Gas tightness /leakage | Model(s) 1 to 7:  DN (80 – 600): **H1** | EN 1856-1: 2009 |
| Flow resistance of chimney sections | Model(s) 1 to 7:  DN (80 – 600): **1,0 mm** | EN 1856-1: 2009 |
| Flow resistance of chimney fittings  Flow resistance of terminals | **Zeta 0.3** according EN 13384-1  **Zeta 0.5** according EN 13384-1 |
| Thermal resistance | Model(s) 1 to 4:  DN (80 – 600): **0.37 m2 K/W** tested at 200°C  Model(s) 5 & 7:  DN (80 – 600): **0.56 m2 K/W** tested at 200°C | EN 1856-1: 2009 |
| Thermal shock resistance  Sootfire resistance: | Model(s) 1 to 7:  DN (80 – 600): **No** | EN 1856-1: 2009 |
| Thermal performance under normal operating conditions: | Model(s) 1, 2, 3, 5, 6, 7:  DN (80 – 600): **T600**  Model 4:  DN (80 – 200): **T200** |  |

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| **Essential characteristics** | **Performance** | **Harmonized technical specification** |
| Flexural tensile strength  (only for means of connection for  chimney sections and fittings) | Model(s) 1 to 4:  DN 80 = **48** metres  DN 200 = **21** metres  DN 300 = **15** metres  DN 600 = **6** metres  Model(s) 5 & 7:  DN 100 = **25** metres  DN 300 = **11** metres  DN 600 = **6** metres | EN 1856-1: 2009 |
| Non-vertical installation | Model(s) 1 to 4:  DN (80 – 500): between supports **≤ 3 m at 90°**  DN (550 - 600): between supports **≤ 4 m at 90°**  Model(s) 5 & 7:  DN (80 – 500): between supports **≤ 3 m at 90°**  DN (550 - 600): between supports **≤ 4 m at 90°** | EN 1856-1: 2009 |
| Components subject to wind load | Model(s) 1 to 7:  DN (80 – 400):  **≤ 3 m** above the last support **≤ 4 m** between supports  DN (450 - 600):  **≤ 2 m** above last support **≤ 3 m** between supports | EN 1856-1: 2009 |
| Durability |  | EN 1856-1: 2009 |
| Water and vapour diffusion resistance | Model(s) 1, 2, 3, 5, 6, 7:  DN (80 – 600): **No**  Model 4:  DN (80 – 200): **Yes** |
| Condensate penetration resistance | Model(s) 1, 2, 3, 5, 6, 7:  DN (80 – 600): **No**  Model 4:  DN (80 – 200): **Yes** |
| Durability against corrosion | Model(s) 1 & 5:  DN (80 – 600): **V3**  Model(s) 2, 4 & 6:  DN (80 – 600): **V2**  Model(s) 3 & 7:  DN (80 – 600): **Vm** |
| Freeze-thaw resistance | Model(s) 1 to 7:  DN (80 – 600): **Yes** |

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:

Teplice, 28.10.2024 Ivana Černa, Plant manager