

Declaration of Performance

No. 057-DOP-2020-11-30

1. Unique identification code of the product-type: **Multi-wall Metal System Chimney (with 316L & 304 Liner)**
UK Plus
2. Intended use: **Convey the products of combustion from heating appliances to the outside atmosphere**
3. Product designations:
- | | | |
|---------------|---------------|--|
| Designation 1 | DN (80 – 130) | T200 – P1 – W – V2 – L50040 – O00 |
| Designation 2 | DN (80 – 130) | T200 – P1 – W – Vm – L20040 – O00 |
| Designation 3 | DN (80 – 130) | T600 – N1 – W – V2 – L50040 – O50 |
| Designation 4 | DN (80 – 130) | T600 – N1 – W – Vm – L20040 – O50 |
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:

Essential characteristics and clauses to EN 1856-1		Performance	Harmonized technical specification
8.1	Compressive strength Chimney sections, fittings and supports	Designation(s) 1 to 4: DN (80 – 130): 22 m For further information see installation instructions	EN 1856-1:2009
8.2	Resistance to fire	Designation(s) 1 & 2: DN (80 – 130): T200 O00 *Tested fully ventilated Designation(s) 3 & 4: DN (80 – 130): T600 O50 **Tested fully enclosed and with ventilated floors.	EN 1856-1:2009
8.3	Gas tightness / leakage	Designation(s) 1: DN (80 – 130): P1 Designation(s) 2, 3 & 4: DN (80 – 130): N1	EN 1856-1:2009
8.4	Flow resistance of chimney sections Flow resistance of chimney fittings Flow resistance of terminals	Designation(s) 1 to 4: DN (80 – 130): 1,0 mm According EN 13384-1 Horizontal version, air duct: x = 0,49 Horizontal version, flue duct: x = 0,55 Vertical version, air duct: x = 2,03 Vertical version, flue duct: x = 0,59	EN 13384-1:2014 EN 1856-1:2009
8.5	Thermal resistance	Designation(s) 1 to 4: DN (80 – 130): NPD	EN 1856-1:2009
8.6	Thermal shock resistance	Designation(s) 1 to 4: DN (80 – 130): No	EN 1856-1:2009
8.7	Sootfire Resistance: Thermal performance under normal operating conditions:	Designation(s) 1 & 2: DN (80 – 130): T200 Designation(s) 3 & 4: DN (80 – 130): T600	
8.8	Flexural tensile strength (only for means of connection for chimney sections and fittings)	Designation(s) 1 to 4: DN (80 – 130): NPD	EN 1856-1:2009
8.9	Non vertical installation	Designation(s) 1 to 4: DN (80 – 130): between supports ≤ 3m at 90°	EN 1856-1:2009
8.10	Components subject to wind load	Designation(s) 1 to 4: DN (80 – 130): ≤ 1,5 m above last support ≤ 3,0 m between supports	EN 1856-1:2009

Essential characteristics and clauses to EN 1856-1		Performance	Harmonized technical specification
8.11	Durability		EN 1856-1:2009
8.11	Water and vapour diffusion resistance	Designation(s) 1 to 4: DN (80 – 130): Yes	
8.12	Condensate penetration resistance	Designation(s) 1 to 4: DN (80 – 130): Yes	
8.13	Against corrosion	Designation(s) 1 & 3: DN (80 – 130) : V2 Designation(s) 2 & 4: DN (80 – 130) : Vm	
8.14	Freeze thaw resistance	Designation(s) 1 to 4: DN (80 – 130) : 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, 30.11.2020
Ivana Černa,

Plant manager