

**Declaration of Performance according to Construction Products Regulation 2011
(retained EU law EUR 305/2011) as amended**

DOP-No. 0168 - 91253-502/DOP_DW_GB/November 2022

1 Multiwall system chimney according DIN EN 1856-1:2009 of type

Product designation:

(Tradename)

DW

	Product description	No. of standard	Temperature class	Pressure class	Condensate resistance	Corrosion class	Material of the inner liner	Sootfire resistance and distance to combustible materials	DN	Description
0.1	Metal system chimney	EN 1856-1	T120	P1	W	V2	L50050 L50060/100	O(10)	80-300	multiwall chimney with 30-100 mm insulation and EPDM sealing ventilated, without shaft
								O(15)	301-450	
								O(20)	451-600	
0.2	Metal system chimney	EN 1856-1	T 600	N1	D	V3	L50050 L50060/100	G(60)	80-300	multiwall chimney with 30-100 mm insulation, ventilated, without shaft
								G(90)	301-450	
								G(120)	451-600	
0.3	Metal system chimney	EN 1856-1	T 400	N1	W	V2	L50050 L50060/100	O(40)	80-300	multiwall chimney with 30-100 mm insulation, ventilated, without shaft
								O(60)	301-450	
								O(80)	451-600	
0.4	Metal system chimney	EN 1856-1	T 600	N1	W	V2	L70060/100	G(60)	80-300	multiwall chimney with 30-100 mm insulation, ventilated, without shaft
								G(90)	301-450	
								G(120)	451-600	

2 Intended use :

Convey the products of combustion from heating appliances to the outside atmosphere

3 Manufacturer:

Joseph Raab GmbH & Cie. KG

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4 Where applicable, name and contact address of the authorised representative whose mandate covers the tasks specified in Article 12(2):

Not applicable

5 System or systems of assessment and verification of constancy of performance of the construction product as set out in Annex V:

System 2+

**6 a) Harmonised Standard
Approved body**

BS EN 1856-1:2009
TÜV SÜD BABT Unlimited
Octagon House,
Concorde Way,
Segensworth North,
Fareham, Hampshire,
PO15 5RL

performed the initial inspection of the manufacturing plant and of factory production control and the continuous surveillance, assessment and evaluation of factory production control and issued the certificate of conformity of the factory production control.

7 Declared performance

lfd. Nr.	Essential characteristics	Performance according EN 1856-1	Values / Classes	designated technical specification/other informations
1.0	Compressive strength	Version 0.1-0.4 for Tubes, fittings and wall bands	DN80-300 up to 117 m DN301-450 up to 45 m DN351-600 up to 23 m	EN 1856-1 Consider anchor forces/ distance to the wall Height
2.0	Resistance to fire	Version 0.1 Distance to combustible materials with T120 and positive pressure P1	O(10) DN80-300 10mm, O(15) DN301-450 15mm, O(30) DN351-600 30mm, ventilated, without shaft	EN 1856-1 With EPDM sealing
2.2	Resistance to fire	Version 0.2/0.4 Distance to combustible materials with T600 and negative pressure N1 and sootfire resistance	G(60) DN80-300 60mm, G(90) DN301-450 90mm, G(120) DN351-600 120mm, ventilated, without shaft	EN 1856-1
2.3	Resistance to fire	Version 0.3 Distance to combustible materials with T400 and negative pressure N1	O(40) DN80-300 40mm, O(60) DN301-450 60mm, O(80) DN351-600 80mm, ventilated, without shaft	EN 1856-1
3.0	Gas tightness/leakage	Version 0.1 T120	O(10) DN80-300 P1 O(15) DN301-450 P1 O(30) DN351-600 P1	EN 1856-1 With EPDM sealing
3.1	Gas tightness/leakage	Version 0.2/0.4 T600	G(60) DN80-300 N1 G(90) DN301-450 N1 G(120) DN351-600 N1	EN 1856-1
3.2	Gas tightness/leakage	Version 0.3 T400	O(40) DN80-300 N1 O(60) DN301-450 N1 O(80) DN351-600 N1	EN 1856-1
4.0	Flow resistance	Version 0.1-0.4 Tubes	according EN13384-1, R=1mm Table B.4	EN 1856-1/EN 13384-1, Tab. B.4 Normative value
4.1	Flow resistance	Version 0.1-0.4 Fittings	according EN13384-1 Table B.8	EN 1856-1 Normative value
4.2	Flow resistance	Version 0.1-0.4 Terminals	according EN13384-1 Table B.8	EN 1856-1/EN 13384-1, Tab B.8 Declared value by the manufacture
5.0	Thermal resistance	Version 0.2-0.4 T400/T600	0,41 m ² K/W with 200°C measured value with 30 mm insulation	EN 1856-1
5.1	Thermal resistance	Version 0.1 T120	0,0 m ² K/W with 70°C	EN 1856-1
6.0	Thermal shock resistance	Version 0.1 Sootfire resistance Thermal performance under normal operating conditions	O(10) DN80-300 No O(15) DN301-450 No O(30) DN351-600 No No-because O O(10) DN80-300 T120 O(15) DN301-450 T120 O(30) DN351-600 T120	EN 1856-1

8 Declared performance

lfd. Nr.	Essential characteristics	Performance according EN 1856-1	Values / Classes	designated technical specification/other informations
6.1	Thermal shock resistance	Version 0.2/0.4 Sootfire resistance Thermal performance under normal operating conditions	G(60) DN80-300 Yes G(90) DN301-450 Yes G(120) DN351-600 Yes G(60) DN80-300 T600 G(90) DN301-450 T600 G(120) DN351-600 T600	EN 1856-1
6.2	Thermal shock resistance	Version 0.3 Sootfire resistance Thermal performance under normal operating conditions	O(40) DN80-300 No O(60) DN301-450 No O(80) DN351-600 No No-because O O(40) DN80-300 T400 O(60) DN301-450 T400 O(80) DN351-600 T400	EN 1856-1
7.0	Flexural tensile strength Tensile strength	Version 0.1-0.4	NPD	EN 1856-1
8.0	Flexural tensile strength Non vertical installation	Version 0.1-0.3 Maximum offset between supports	90°	EN 1856-1
8.1	Flexural tensile strength Non vertical installation	Version 0.1-0.3 Maximum length between supports	3m	EN 1856-1
9.0	Flexural tensile strength Components subject to wind load	Version 0.1-0.3 Wind load	free standing height above last support 3m Maximum spacing between lateral supports: 4 m	EN 1856-1
10.0	Durability against chemiclas	Water and vapour diffusion resistance Version 0.1/0.3 Version 0.2	W (Yes) D (No)	EN 1856-1
10.1	Durability against chemiclas	Condensate penetration resistance Version 0.1/0.3 Version 0.2	W (Yes) D (No)	EN 1856-1
11.0	Durability against corrosion	corrosion resistance Version 0.1/0.3 Version 0.2	V2 V3	EN 1856-1
12.0	Freeze thaw	Freeze-thaw resistance Version 0.1-0.3	given	EN 1856-1

8 The performance of the above product corresponds to the declared performance(s). The above-mentioned manufacturer is solely responsible for the preparation of the declaration of performance in accordance with the Construction Products Regulation 2011 (retained EU law EUR 305/2011) as amended.

Signed for and on behalf of the manufacturer by:

ppa. Alexander Root

Neuwied,
01. November 2022



(Signature)