

DECLARATION OF PERFORMANCES

Nº DW 0001

1 – Unique identification code of the product-type:

Modular metal system chimney
EN 1856-1:2009

2 – Type, batch or serial number or any other element allowing identification of the construction product as required under Article 11(4):

DW 304		
01- 304 / 304	Ø 080-300	T200 P1 W Vm L20040 O 50
02- 304 / 304	Ø 080-300	T200 P1 W Vm L20050 O 75
03- 304 / 304	Ø 080-300	T200 P1 W Vm L20050 O 100
04- 304 / 304	Ø 080-300	T200 P1 W Vm L20050 O 200
05- 304 / 304	Ø 080-300	T450 N1 D Vm L20040 G 50
06- 304 / 304	Ø 080-300	T450 N1 D Vm L20050 G 75
07- 304 / 304	Ø 080-300	T450 N1 D Vm L20050 G 100
08- 304 / 304	Ø 080-300	T450 N1 D Vm L20050 G 200
09- 304 / 304	Ø 080-300	T450 N1 W Vm L20040 G 50
10- 304 / 304	Ø 080-300	T450 N1 W Vm L20040 G 80
11- 304 / 304	Ø 080-300	T600 N1 W Vm L20040 G 50
12- 304 / 304	Ø 350-700	T450 N1 D Vm L20040 G 50
13- 304 / 304	Ø 350-700	T450 N1 D Vm L20050 G 50

DW 316 y DW Black		
14- 316L / 304	Ø 080-300	T200 P1 W V2 L50040 O 50
15- 316L / 304	Ø 080-300	T200 P1 W V2 L50050 O 75
16- 316L / 304	Ø 080-300	T200 P1 W V2 L50050 O 100
17- 316L / 304	Ø 080-300	T200 P1 W V2 L50050 O 200
18- 316L / 304	Ø 080-300	T450 N1 D V2 L50040 G 50
19- 316L / 304	Ø 080-300	T450 N1 D V2 L50050 G 75
20- 316L / 304	Ø 080-300	T450 N1 D V2 L50050 G 100
21- 316L / 304	Ø 080-300	T450 N1 D V2 L50050 G 200
22- 316L / 304	Ø 080-300	T450 N1 W V2 L50040 G 50
23- 316L / 304	Ø 080-300	T450 N1 W V2 L50040 G 80
24- 316L / 304	Ø 080-300	T600 N1 W V2 L50040 G 50
25- 316L / 304	Ø 350-700	T450 N1 D V2 L50040 G 50
26- 316L / 304	Ø 350-700	T450 N1 D V2 L50050 G 50

DW Cobre		
27- 316L / Cobre	Ø 080-300	T200 P1 W V2 L50040 O 50
28- 304 / Cobre	Ø 080-300	T200 P1 W Vm L20040 O 50
29- 316L / Cobre	Ø 080-300	T450 N1 D V2 L50040 G 50
30- 304 / Cobre	Ø 080-300	T450 N1 D Vm L20040 G 50
31- 316L / Cobre	Ø 080-300	T450 N1 W V2 L50040 G 50
32- 304 / Cobre	Ø 080-300	T450 N1 W Vm L20040 G 50
33- 316L / Cobre	Ø 080-300	T600 N1 W V2 L50040 G 50

3 – Intended use or uses of the construction product, in accordance with the applicable harmonised technical specification, as foreseen by the manufacturer:

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

4 – Name, registered trade name or registered trademark and contact address of the manufacturer as required under Article 11(5):

F.F. BOFILL, S.A.
Polígono Industrial Vilaseca, 1
08571 Sant Vicenç de Torelló
Barcelona

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

Not applicable

6 – System or systems of assessment and verification of constancy of performance of the construction product as set out in CPR, Annex V:

System 2+
System 4 (terminals)

7 – Notified factory production control certification body AENOR, N° 0099, performed the initial inspection of the manufacturing plant and of factory production control and the continuous surveillance, assessment and evaluation of the factory production control and issued the certificate of conformity of the factory production control.

9 – Declared performance:

ESSENTIAL CHARACTERISTICS	PERFORMANCE	HARMONIZED TECHNICAL SPECIFICATION
Compressive strength	Designations 1 to 11 and 14 to 24: Straight chimney elements: 27 m Load support: 9 m Designations 27 to 33: Straight chimney elements: 23 m Load support: 5 m Designations 12, 13, 25 and 26: Straight chimney elements: 5 m Load support: 3 m For further information, see Annex 1	EN 1856-1:2009
Resistance to fire	Designations 1, 14, 27 and 28: O 50 Designations 2 and 15: O 75 Designations 3 and 16: O 100 Designations 4 and 17: O 200 Designations 5, 9, 11 to 13, 18, 22, 24 to 26 and 29 to 33: G 50 Designations 6 and 19: G 75 Designations 10 and 23: G 80 Designations 7 and 20: G 100 Designations 8 and 21: G 200	EN 1856-1:2009
Gas tightness / leakage	Designations 2, 3, 5 to 13, 18 to 26 and 29 to 33: N1 Designations 1 to 4, 14 to 17, 27 to 28: P1	EN 1856-1:2009
Flow resistance	Straight chimney elements: 1 mm Chimney elements: according with EN 13384-1	EN 1856-1:2009
Thermal resistance	Designations 1 to 11, 14 to 24 and 27 to 37: 0,443 m ² K/W at 200 °C	EN 1856-1:2009
Thermal shock resistance	Sootfire resistance: Designations 1 to 4, 14 to 17, 27 and 28: No Designations 5 to 13, 18 to 26 and 29 to 33: Yes Thermal performance under normal operating conditions: Designations 1 to 4, 14 to 17, 27 and 28: T200 Designations 5 to 10, 12, 13, 18 to 23, 29 to 32: T450 Designations 11, 24 and 33: T600	EN 1856-1:2009
Flexural tensile strength (only for means of connection for chimney sections and fittings)	Designations 1 to 11 and 14 to 24: 12 m Designations 12, 13, 25 to 33: NPD For further information, see Annex 1	EN 1856-1:2009
Non vertical installation	Between supports: Designations 1 to 11 and 14 to 24: 2 m at 45° and 1,5 m at 90° Designations 12, 13, 25 to 33: NPD	EN 1856-1:2009
Components subject to wind load	Designations 1 to 11 and 14 to 24: Above last support: 2 m Between supports: 4 m Designations 27 to 33: Above last support: 1 m Between supports: 2,5 m Designations 12, 13, 25 and 26: Above last support: 2 m Between supports: 2,5 m	EN 1856-1:2009
Durability	Designations 1 to 4, 14 to 17, 27 and 28 Water and vapour diffusion resistance: Yes Condensate penetration resistance: Yes Designations 5 to 13, 18 to 26 and 29 to 33: Water and vapour diffusion resistance: NPD Condensate penetration resistance: NPD	EN 1856-1:2009
Durability against corrosion	Designations 1 to 13, 28, 30 and 32: Vm Designations 14 to 27, 29, 31 and 33: V2	EN 1856-1:2009
Freeze thaw resistance	Yes	EN 1856-1:2009
Terminal Flow Resistance	Designations 1 to 11, 14 to 24 and 27 to 33: Universal cap: ζ = 1,27 Windproof cap: ζ = 1,14 Designations 12, 13, 25 and 26: Universal cap: ζ = NPD Windproof cap: ζ = NPD	EN 1856-1:2009

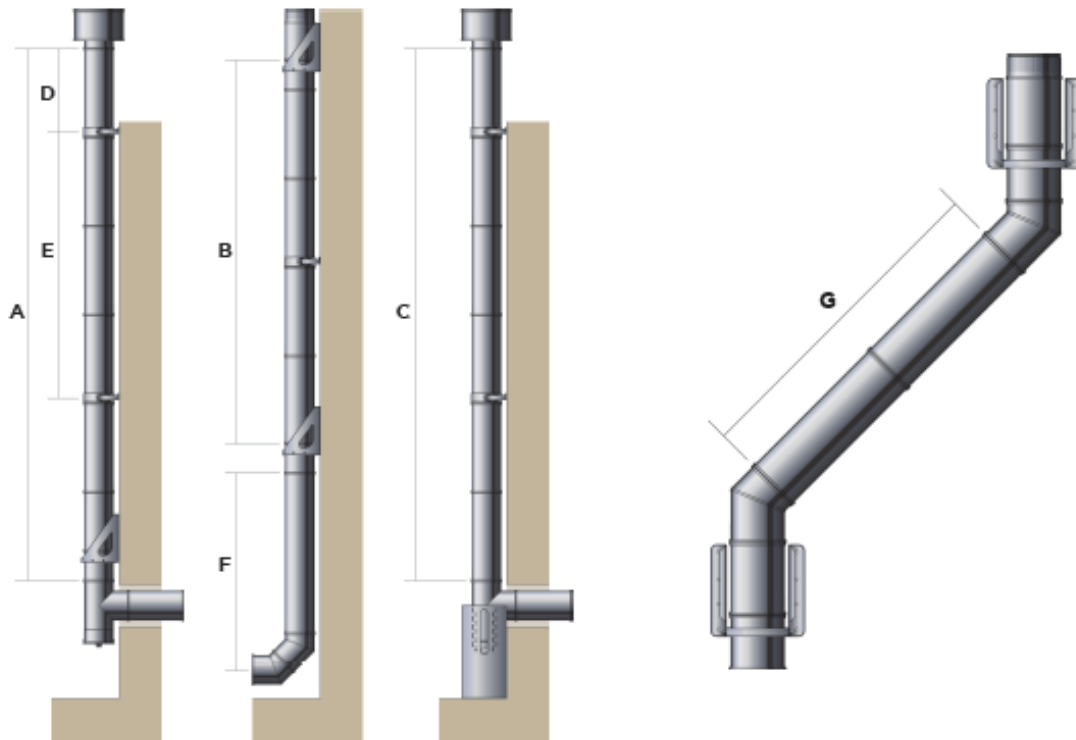
10 – The performance of the product identified in points 1 and 2 is in conformity with the declared performance in point 9.

This declaration of performance is issued under the sole responsibility of the manufacturer identified in point 4.

Signed for and on behalf of the manufacturer by:

Pau Sansa Brinquis (General Manager)	June the 16 th , 2023
	Sant Vicenç de Torelló

ANNEX 1 RECOMMENDED VALUES



A – Maximum height of the chimney straight section from the Tee when the chimney is supported at the wall bracket.

B – Maximum free height straight chimney section between wall brackets.

C – Maximum height of the chimney straight section from the Tee when the chimney is supported at the base.

D – Maximum free height of the final section.

E – Maximum separation distance between wall clamps for outdoor installation.

F – Maximum stretch in tension (suspended).

G – Maximum separation distance between wall clamps for non-vertical installation.

H – Maximum separation distance between wall clamps for horizontal installation: 1,5 m.

DW 304 – DW 316 - DW BLACK								
Inner Ø	Outer Ø	A (m)	B (m)	C (m)	D (m)	E (m)	F (m)	G (m)
080	140	40	40	73	2	4	47	2
100	160	33	33	65	2	4	38	2
125	285	24	24	54	2	4	31	2
150	210	20	20	48	2	4	26	2
175	235	16	16	43	2	4	22	2
200	260	16	16	43	2	4	21	2
250	310	10	10	33	2	4	16	2
300	360	9	9	27	2	4	12	2
350	410	6	6	26	1,5	2,5	11	
400	460	6	6	23	1,5	2,5	9	
450	510	5	5	22	1,5	2,5	8	
500	560	5	5	21	1,5	2,5	7	
550	630	4	4	19	1,5	2,5	7	
600	680	4	4	18	1,5	2,5	7	
650	730	3	3	17	1,5	2,5	6	
700	780	3	3	16	1,5	2,5	6	

DW COPPER								
Inner Ø	Outer Ø	A (m)	B (m)	C (m)	D (m)	E (m)	F (m)	G (m)
080	140	25	25	30	2	4		2
100	160	21	21	28	2	4		2
125	285	15	15	27	2	4		2
150	210	12	12	26	2	4		2
175	235	10	10	24	2	4		2
200	260	10	10	24	2	4		2
250	310	7	7	22	2	4		2
300	360	5	5	22	2	4		2