

DOP-GE-016

1. Unique identification code of the product-type:

Multi Wall 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):

DINAK GE

DINAK GE37

1.0 Model 1.4404 / 316L	Ø80-600	T200 H1 D V2 L50040 O00
1.1 Model 1.4404 / 316L	Ø80-300	T600 H1 D V2 L50040 O40
1.1 Model 1.4404 / 316L	Ø350-450	T600 H1 D V2 L50040 O60
1.1 Model 1.4404 / 316L	Ø500-600	T600 H1 D V2 L50040 O80

2.0 Model 1.4521 / 444	Ø80-600	T200 H1 D V2 L99040 O00
2.1 Model 1.4521 / 444	Ø80-300	T600 H1 D V2 L99040 O40
2.1 Model 1.4521 / 444	Ø350-450	T600 H1 D V2 L99040 O60
2.1 Model 1.4521 / 444	Ø500-600	T600 H1 D V2 L99040 O80

3.0 Model 1.4162 / S32101	Ø80-600	T200 H1 D V2 L99050 O00
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4.0 Model 1.4301 / 304	Ø80-600	T200 H1 D Vm L20040 O00
4.1 Model 1.4301 / 304	Ø80-300	T600 H1 D Vm L20040 O40
4.1 Model 1.4301 / 304	Ø350-450	T600 H1 D Vm L20040 O60
4.1 Model 1.4301 / 304	Ø500-600	T600 H1 D Vm L20040 O80
4.1 model 1.4301 / 304	Ø650-800	T600 H1 D Vm L20060 O160

DINAK GE50

1.0 Model 1.4404 / 316L	Ø80-300	T600 H1 D V2 L50040 O40
1.0 Model 1.4404 / 316L	Ø350-450	T600 H1 D V2 L50040 O60
1.0 Model 1.4404 / 316L	Ø500-600	T600 H1 D V2 L50040 O80
1.0 Model 1.4404 / 316L	Ø650-800	T600 H1 D V2 L50060 O160

2.0 Model 1.4521 / 444	Ø80-300	T600 H1 D V2 L99040 O40
2.0 Model 1.4521 / 444	Ø350-450	T600 H1 D V2 L99040 O60
2.0 Model 1.4521 / 444	Ø500-600	T600 H1 D V2 L99040 O80
2.0 Model 1.4521 / 444	Ø650-800	T600 H1 D V2 L99060 O160

3.0 Model 1.4301 / 304	Ø80-300	T600 H1 D Vm L20040 O40
3.0 Model 1.4301 / 304	Ø350-450	T600 H1 D Vm L20040 O60
3.0 Model 1.4301 / 304	Ø500-600	T600 H1 D Vm L20040 O80
3.0 Model 1.4301 / 304	Ø650-800	T600 H1 D Vm L20060 O160

DINAK GE100 / 150

1.0 Model 1.4404 / 316L	Ø80-300	T600 H1 D V2 L50040 O30
1.0 Model 1.4404 / 316L	Ø350-450	T600 H1 D V2 L50040 O45
1.0 Model 1.4404 / 316L	Ø500-600	T600 H1 D V2 L50040 O60
1.0 Model 1.4404 / 316L	Ø650-800	T600 H1 D V2 L50060 O120

2.0 Model 1.4521 / 444	Ø80-300	T600 H1 D V2 L99040 O30
2.0 Model 1.4521 / 444	Ø350-450	T600 H1 D V2 L99040 O45
2.0 Model 1.4521 / 444	Ø500-600	T600 H1 D V2 L99040 O60
2.0 Model 1.4521 / 444	Ø650-800	T600 H1 D V2 L99060 O120

3.0 Model 1.4301 / 304	Ø80-300	T600 H1 D Vm L20040 O30
3.0 Model 1.4301 / 304	Ø350-450	T600 H1 D Vm L20040 O45

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3.0 Model 1.4301 / 304	Ø500-600	T600 H1 D Vm L20040 O60
3.0 Model 1.4301 / 304	Ø650-800	T600 H1 D Vm L20060 O120

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 trade mark and contact address of the manufacturer as required under Article 11(5):

DINAK S.A.
 Camiño do Laranxo, 19
 36216, Vigo (SPAIN)
 dinak@dinak.com
 tlf: +34 986 452 526

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 (for terminals)

7. Notified factory production control certification body TÜV SÜD Industrie Service GmbH, No.0036, 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

8. Declared performance

Essential Characteristics	Performance	Harmonized technical specification
Compressive strength Chimney Sections, fittings and supports	Up to 17 m (See annex) See annex	EN 1856-1:2009
Resistance to fire	GE37 Models 1.0, 2.0, 3.0 and 4.0: Ø80-300: T200 – O00 Models 1.1, 2.1: Ø80-300: T600 – O40 Ø350-450: T600 – O60 Ø500-600: T600 – O80 Model 4.1: Ø80-300: T600 – O40 Ø350-450: T600 – O60 Ø500-600: T600 – O80 Ø650-800: T600 – O160 GE50 Models 1.0, 2.0, and 3.0: Ø80-300: T600 – O40	EN 1856-1:2009

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	<p>Ø350-450: T600 – O60 Ø500-600: T600 – O80 Ø650-800: T600 – O160</p> <p>GE100 / 150 Models 1.0, 2.0 and 3.0: Ø80-300: T600 – O30 Ø350-450: T600 – O45 Ø500-600: T600 – O60 Ø650-800: T600 – O120</p>	
Gas tightness/leakage	<p>GE37 Models 1.0, 1.1, 2.0, 2.1, 3.0, 4.0 and 4.1: H1</p> <p>GE50 Models 1.0, 2.0 and 3.0: H1</p> <p>GE100 / 150 Models 1.0, 2.0 and 3.0: H1</p>	EN 1856-1:2009
Flow resistance of chimney sections, fittings and terminals	According to EN 13384-1	EN 1856-1:2009
Thermal resistance	<p>GE37 Ø80-800: 0.287 - 0.388 m²K/W tested at 200°C</p> <p>GE50 Ø80-800: 0.351 - 0.522 m²K/W tested at 200°C</p> <p>GE100 Ø80-800: 0.543 – 0.967 m²K/W tested at 200°C</p> <p>GE150 Ø80-800: 0.675 – 1.380 m²K/W tested at 200°C</p>	EN 1856-1:2009
Thermal shock resistance Soot fire resistance	<p>GE37 Models 1.0, 1.1, 2.0, 2.1, 3.0, 4.0 and 4.1: No</p> <p>GE50 Models 1.0, 2.0 and 3.0: No</p> <p>GE100 / 150 Models 1.0, 2.0 and 3.0: No</p>	EN 1856-1:2009
Thermal performance under normal operating conditions	<p>GE37 Models 1.0, 2.0, 3.0 and 4.0:: T200 Models 1.1, 2.1 and 4.1: T600</p> <p>GE50 Models 1.0, 2.0 and 3.0: T600</p> <p>GE100 / 150 Models 1.0, 2.0 and 3.0: T600</p>	
Flexural tensile strength (only for means of connection for chimney sections and fittings)	0 m (to keep the outer wall compensator properties) (see annex)	EN 1856-1:2009
Non vertical installation	Maximum offset between supports: 3 m at 90° (see annex)	EN 1856-1:2009
Components subject to wind load	<p>Maximum free standing height: 1 m above last support (see annex)</p> <p>Maximum spacing between lateral supports: 3 m (see annex)</p>	EN 1856-1:2009
Durability		EN 1856-1:2009

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Water and vapour diffusion resistance	<p>GE37 Models 1.0, 1.1, 2.0, 2.1, 3.0, 4.0 and 4.1: Yes GE50 Models 1.0, 2.0 and 3.0: Yes GE100 / 150 Models 1.0, 2.0 and 3.0: Yes</p>	
Condensate penetration resistance	<p>GE37 Models 1.0, 1.1, 2.0, 2.1, 3.0, 4.0 and 4.1: No GE50 Models 1.0, 2.0 and 3.0: No GE100 / 150 Models 1.0, 2.0 and 3.0: No</p>	
Against corrosion	<p>GE37 Models 1.0, 1.1, 2.0, 2.1 and 3.0: V2 Models 4.0 and 4.1: Vm</p> <p>GE50 Models 1.0 and 2.0: V2 Model 3.0: Vm</p> <p>GE100 / 150 Models 1.0 and 2.0: V2 Model 3.0: Vm</p>	
Freeze thaw resistance	Yes	EN 1856-1:2009

9. The performance of the product identified in points 1 and 2 is in conformity with the declared performance in point 8.

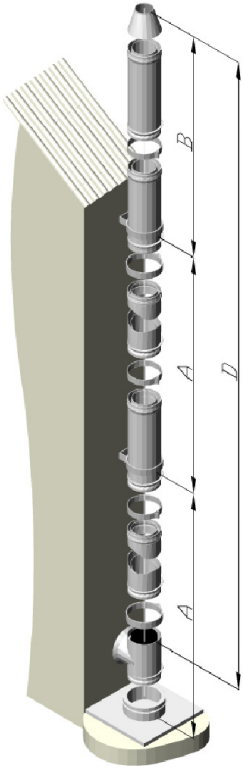
This declaration of performance is issued under the sole responsibility of the manufacturer identified in point 4.

Signed for and on behalf of the manufacturer by:

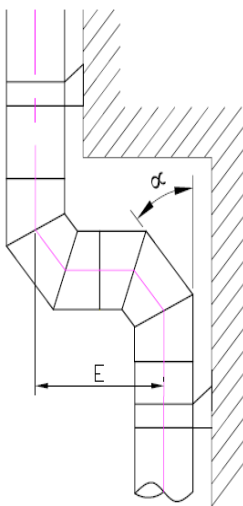
Íñigo A. Canoa (General Manager)

Vigo, 6th June 2013

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		DINAK GE							
		COMPRESSION STRENGTH				TENSION STRENGTH			
		Height - Size D (m)				Height (m)			
Outer wall		1.4301 / 304 1.4404 / 316L 1.4521 / 444 1.4016 / 430				1.4301 / 304 1.4404 / 316L 1.4521 / 444 1.4016 / 430			
Model		GE 37	GE 50	GE 100	GE 150	GE 37	GE 50	GE 100	GE 150
ND (mm)	80	17	12	5	2	0	0	0	0
	100	15	11	4	3	0	0	0	0
	125	13	10	4	3	0	0	0	0
	150	11	9	4	3	0	0	0	0
	175	10	8	4	2	0	0	0	0
	200	9	7	4	2	0	0	0	0
	250	7	6	3	2	0	0	0	0
	300	6	6	3	2	0	0	0	0
	350	7	5	3	2	0	0	0	0
	400	6	5	3	3	0	0	0	0
	450	5	4	2	3	0	0	0	0
	500	5	4	4	2	0	0	0	0
	550	4	4	3	2	0	0	0	0
	600	4	6	3	2	0	0	0	0
	650	-	5	3	2	-	0	0	0
	700	-	4	3	2	-	0	0	0
750	-	4	2	2	-	0	0	0	
800	-	4	2	2	-	0	0	0	



		NON VERTICAL INSTALLATION							
		Maximum deflection α (°)				Maximum length of the slope - Size E (m)			
Outer wall		1.4301 / 304 1.4404 / 316L 1.4521 / 444 1.4016 / 430				1.4301 / 304 1.4404 / 316L 1.4521 / 444 1.4016 / 430			
Model		GE 37	GE 50	GE 100	GE 150	GE 37	GE 50	GE 100	GE 150
ND (mm)	80	90	90	90	90	3	3	3	3
	100	90	90	90	90	3	3	3	3
	125	90	90	90	90	3	3	3	3
	150	90	90	90	90	3	3	3	3
	175	90	90	90	90	3	3	3	3
	200	90	90	90	90	3	3	3	3
	250	90	90	90	90	3	3	3	3
	300	90	90	90	90	3	3	3	3
	350	90	90	90	90	3	3	3	3
	400	90	90	90	90	3	3	3	1
	450	90	90	90	90	3	3	3	1
	500	90	90	90	90	3	3	1	1
	550	90	90	90	90	3	3	1	1
	600	90	90	90	90	3	1	1	1
	650	-	90	90	90	-	1	1	1
	700	-	90	90	90	-	1	1	1
750	-	90	90	90	-	1	1	1	
800	-	90	90	90	-	1	1	1	

