



Burners

Technical features

2020



Lamborghini
CALORECLIMA



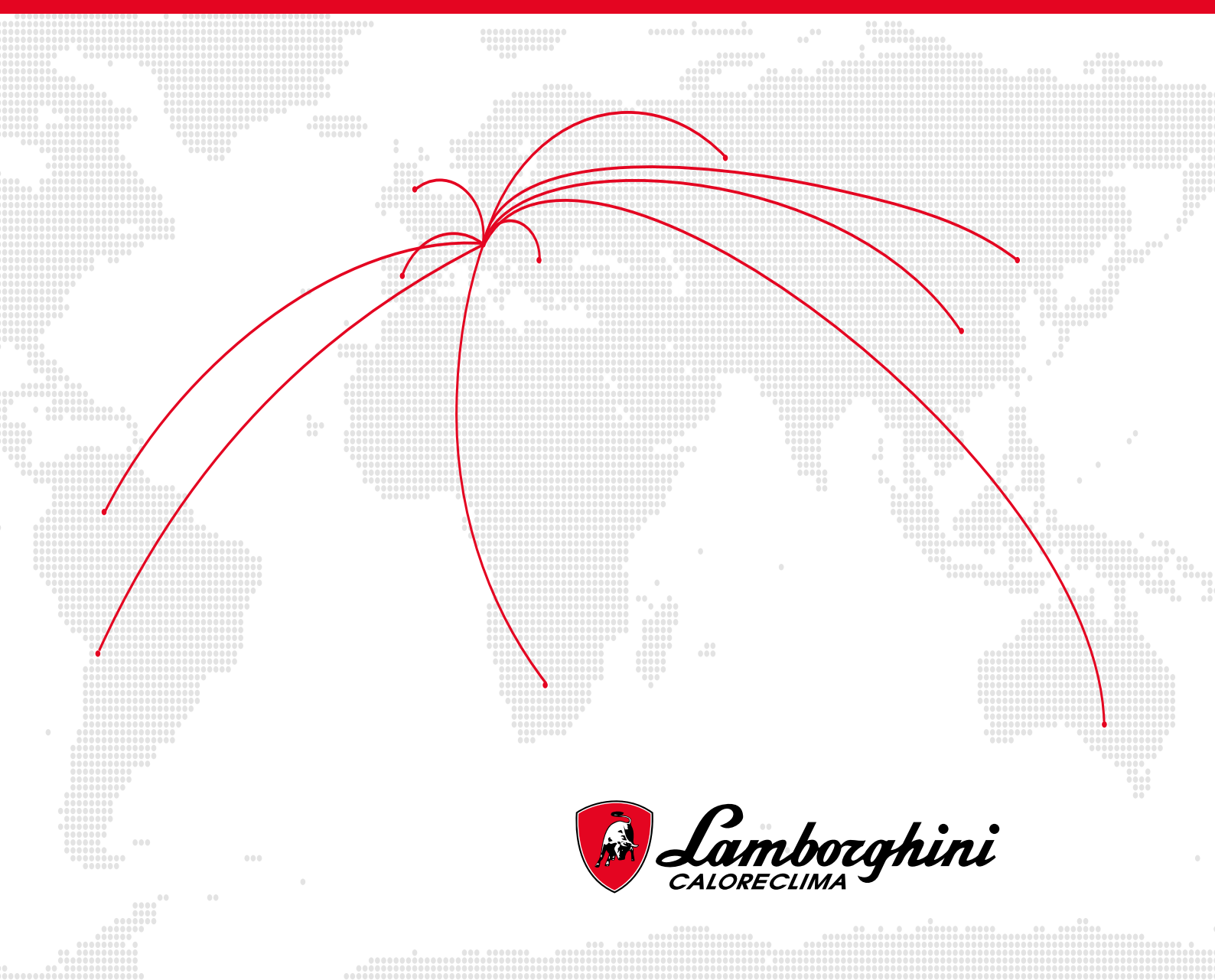
Lamborghini Caloreclima

has been operating successfully since 1960. The plants are based in Dosso (FE). A remarkable complex in terms of size and structures that occupies a total area of 52,000 square meters, of which 25,000 are covered. The production, mechanized with advanced logistic systems, is managed in ISO 9001 quality regime and allows flexibility in production cycles capable of guaranteeing rapid industrialization of new products in the project.

Lamborghini Caloreclima is present abroad with subsidiaries, dealers, agents and distributors in over 35 countries.

In Italy, the company has chosen, by tradition and vocation, as its reference, the figure of the installer.

A network of agents and assistance services, widely distributed, guarantee a careful monitoring of the entire national territory and provide users with adequate pre and post sales assistance.



Lamborghini
CALORECLIMA

The Strength of the Group

Lamborghini Caloreclima is a company of the Ferrolì Group, a pool of companies among the most important world leaders in the Heating, Air Conditioning and Renewable Energy sectors, in continuous evolution: demanding, competitive, ever more attentive to environmental respect and energy saving.

The Group adopts a targeted marketing policy and constantly invests capital and human resources in research and development of new advanced production technologies, which are increasingly flexible.

The Ferrolì Group has undergone a profound transformation, and today it is able to offer complete solutions for any domestic or work environment. The actors of this evolution know that they must make quality and innovation the keys to offer our customers the maximum of their comfort.



Certified quality

Lamborghini Caloreclima is one of the very first Italian companies to which the prestigious ISO 9001 certification has been recognized, reserved for totally quality-oriented industries. In addition, all the products that require it are in possession of the approvals required by the EC standards.

Lamborghini Caloreclima is daily engaged in the search for technical solutions to innovate its products; offers constantly updated ranges of products, capable of satisfying the increasingly specific needs of the market.

Its international vocation requires high quality productions, with products approved in most countries of the world.



Lamborghini
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14.5 ÷ 64.3 kW

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single-stage

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34.8 ÷ 379 kW

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Eco - Eco R

16.6 ÷ 86.6 kW

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47.4 ÷ 474 kW

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115 ÷ 1.976 kW

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and three stage

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949 ÷ 3.558 kW

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43 ÷ 390 kW

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110 ÷ 1.918 kW

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PM M-E

940 ÷ 4.275 kW

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Light oil burners



Focus Pro

da 14.5 ÷ 64.3 kW



Eco Pro/2

da 34.8 ÷ 379 kW



Eco - Eco R

da 16.6 ÷ 86.6 kW



Eco/2

da 47.4 ÷ 474 kW



LMB LO

da 115 ÷ 1.976 kW



PG/2

da 949 ÷ 3.558 kW



Light oil burners

- “Low NOx” light oil burners
- Light oil burners

LOW
NOx

Focus Pro

Low NOx single-stage light oil burners

- Very low polluting emissions (lower than required by Class 3 - EN 267 <120 mg/kWh)
- Supplied complete with nozzle, hoses, light oil line filter and 7-pin plug and connection flange
- R version complete with light oil preheater
- Easy access to the air damper adjustments
- Ductable air intake

Range

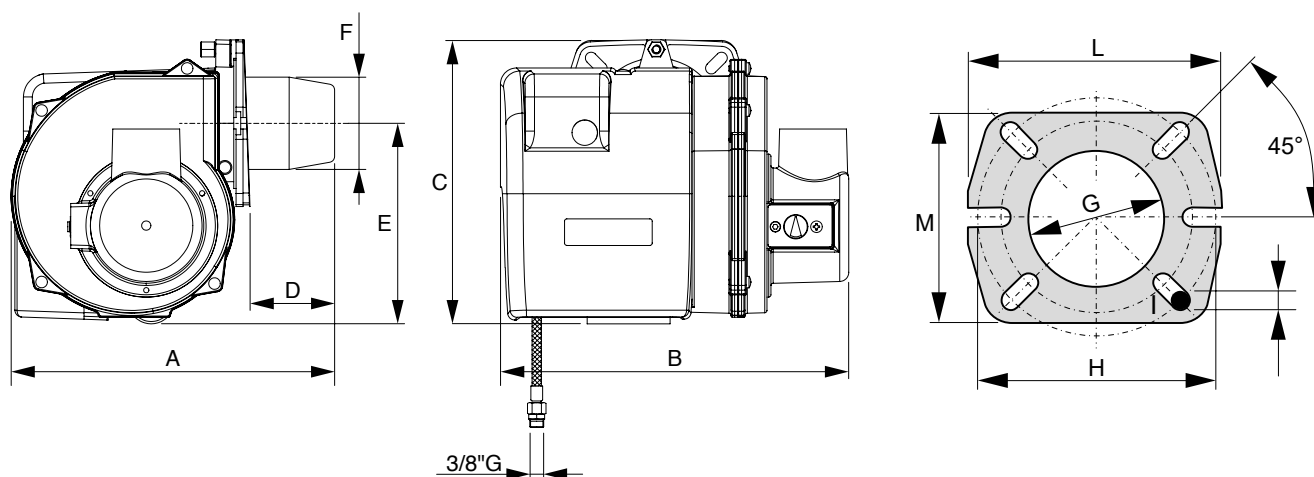
- FOCUS PRO single-stage burners
- FOCUS PRO R single-stage burners with light oil preheater

Focus Pro

Burner code	Burner model
0U3T6AXD	FOCUS PRO 3
0U3T6RXD	FOCUS PRO 3R
0U3T8AXD	FOCUS PRO 6
0U3T8RXD	FOCUS PRO 6R

NB: products available on stock

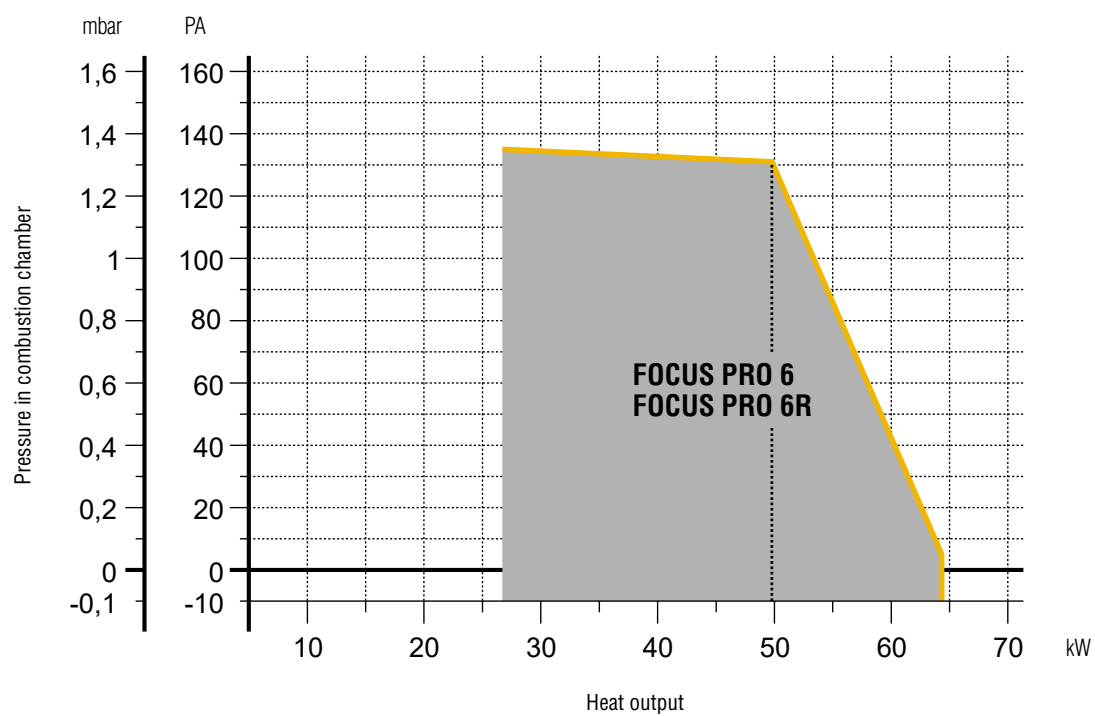
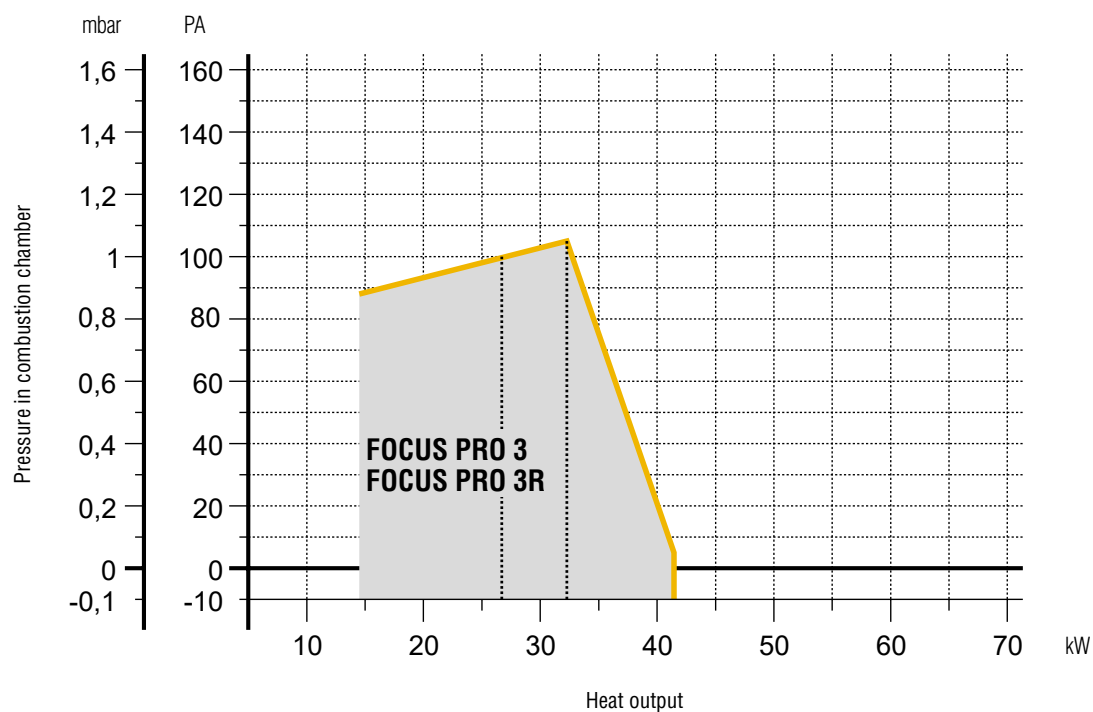
Technical data



Model	Flow rate	Heat output	Motor	A	B	C	D	E	F
	kg/h	kW	230V ~ 50Hz	mm	mm	mm	mm	mm	mm
FOCUS PRO 3	1.2 - 3.5	14.5 - 41.5	100 W single	280	305	245	75	175	80
FOCUS PRO 3R	1.2 - 3.5	14.5 - 41.5	100 W single	280	305	245	75	175	80
FOCUS PRO 6	2.2 - 5.4	26.2 - 64.3	100 W single	280	305	245	75	175	80
FOCUS PRO 6R	2.2 - 5.4	26.2 - 64.3	100 W single	280	305	245	75	175	80

Model	G	H (min)	H (max)	I	L	M	Weight
	Ø mm	Ø mm	Ø mm	Ø mm	Ø mm	cm	kg
FOCUS PRO 3	85	135	160	M8	170	144	10
FOCUS PRO 3R	85	135	160	M8	170	144	10.1
FOCUS PRO 6	85	135	160	M8	170	144	10
FOCUS PRO 6R	85	135	160	M8	170	144	10.1

Working curves



LOW
NOx

Eco Pro/2

Low NOx two-stage light oil burners



- Very low polluting emissions (lower than required by Class 3 - EN 267 <120 mg/kWh)
- Two-stage operation with pressure gradient
- Electric servo control on the air damper
- The entire series is fitted with sliding flange

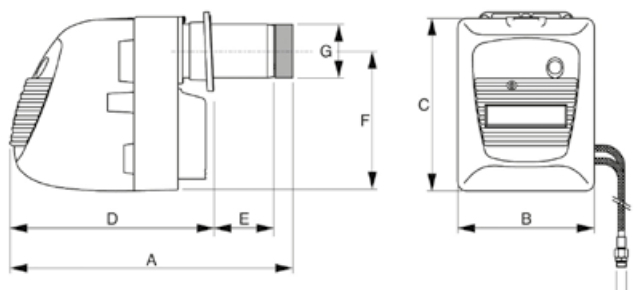
Eco Pro/2

Burner code	Burner model
OU3SCAXD	ECO PRO 9/2
OU3SEAXD	ECO PRO 14/2
OU3SFAXD	ECO PRO 20/2
OU3SGAXD	ECO PRO 30/2

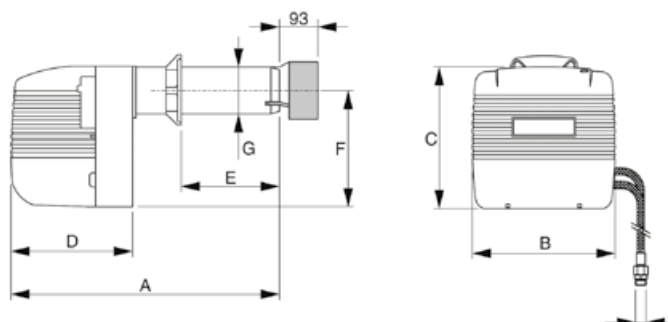
NB: products available on stock

Technical data

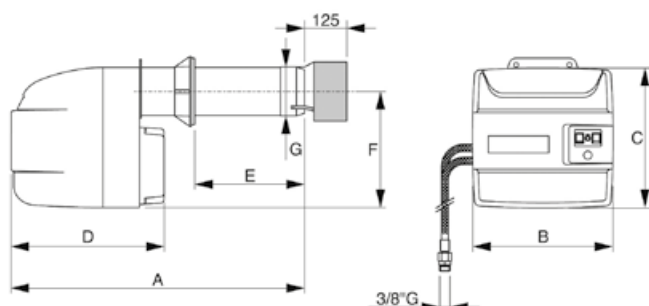
Eco Pro 9/2 - 14/2



Eco Pro 20/2



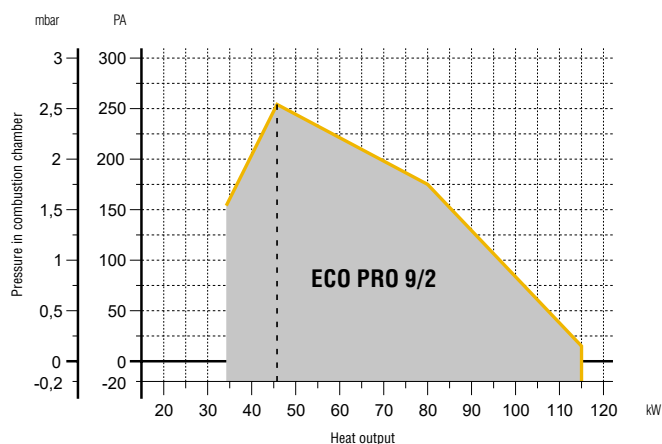
Eco Pro 30/2



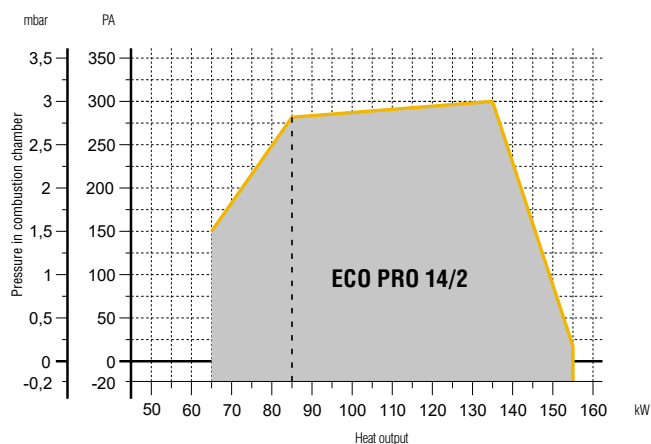
Model	Flow rate kg/h	Heat output kW	Motor 230V ~ 50Hz	A mm	B mm	C mm	D mm	E mm	F mm	G Ø mm
ECO PRO 9/2	2.92 - 9.72	34.8 - 115	100 W single	515	275	340	358	130	274	90
ECO PRO 14/2	5.5 - 13.0	65.5 - 155	185 W single	605	275	340	358	130	274	100
ECO PRO 20/2	8.5 - 21.8	101 - 260	250 W single	660	360	356	320	280	275	120
ECO PRO 30/2	12.3 - 31.9	147 - 379	370 W single	765	420	423	460	290	350	144

Working curves

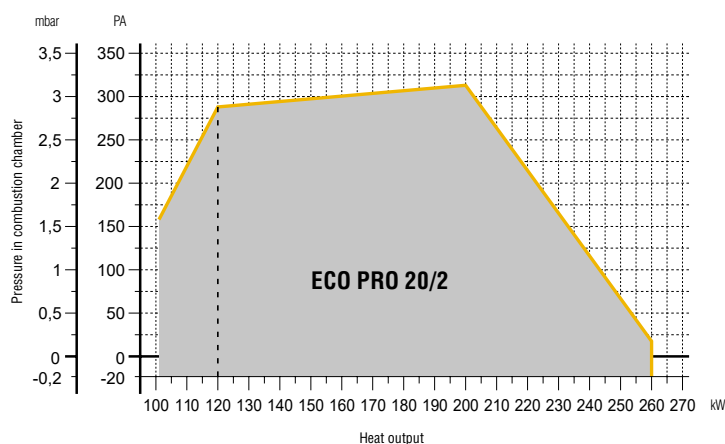
Eco Pro 9/2



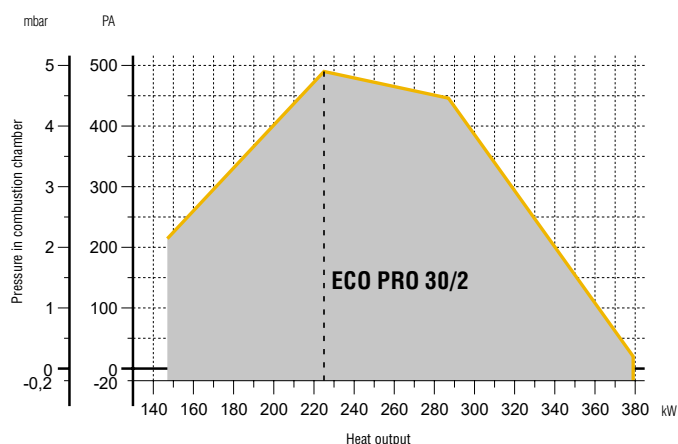
Eco Pro 14/2



Eco Pro 20/2

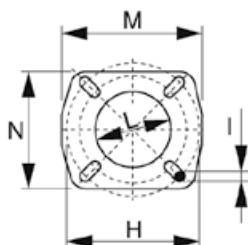


Eco Pro 30/2

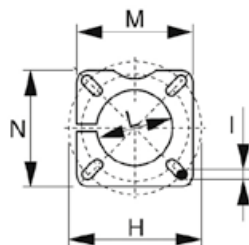


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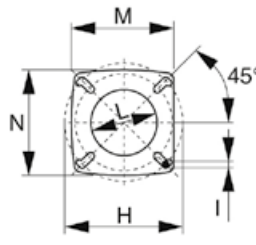
Eco Pro 9/2



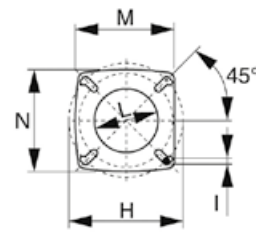
Eco Pro 14/2



Eco Pro 20/2



Eco Pro 30/2



Model	H	L	M	N	Weight
	Ø mm	Ø mm	Ø mm	Ø mm	kg
ECO PRO 9/2	140 - 180	95	180	154	11.5
ECO PRO 14/2	150 - 200	105	166	166	15
ECO PRO 20/2	160 - 226	135	214	205	21
ECO PRO 30/2	172 - 225	160	214	205	28



NB: products available on stock

NB: The burners of the Eco series (Eco - Eco R - Eco RN) can only be sold and installed in conformity with EU regulation 813/2013 (Art. 1, Paragraph 2, Section G)

Eco, Eco R

Single-stage burners

External adjustment of the air and combustion head.
Stabilised ventilation. Excellent combustion thanks to uniform air distribution. Hood. Compact dimensions.

Range

- ECO single-stage burners
- ECO R single-stage burners with preheater
- ECO/L single-stage burners with long nozzle
- ECO R ST single-stage burners with preheater and with optional external air intake

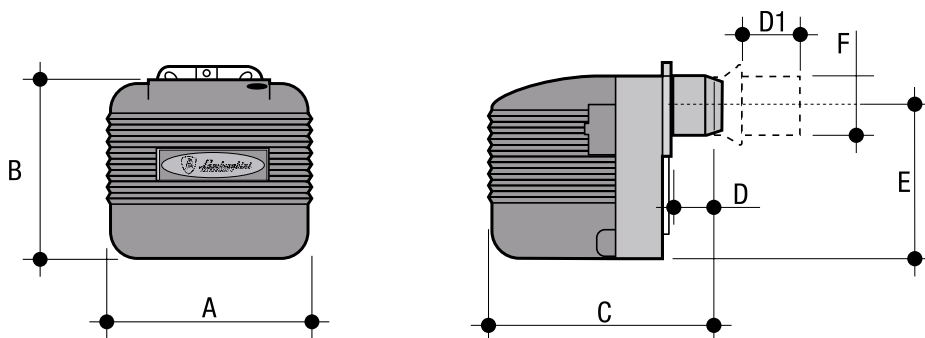
Eco

Burner code	Burner model	Burner code	Burner model
Z300840005	ECO 3	Z300845660	ECO 15/L
Z300841221	ECO 5N	Z300870053	ECO 20
Z300870013	ECO 8	Z300845670	ECO 20/L
Z300870003	ECO 10	Z300840602	ECO 22
Z300845650	ECO 10/L	Z300870151	ECO 30
Z300841283	ECO 15	Z300870151	ECO 30

Eco R models with pre-heater

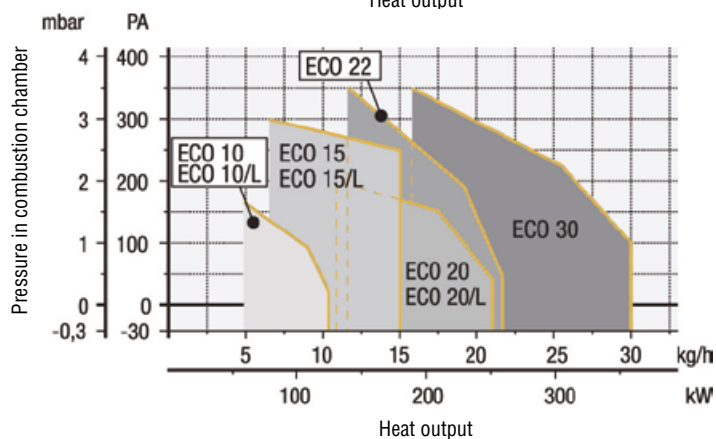
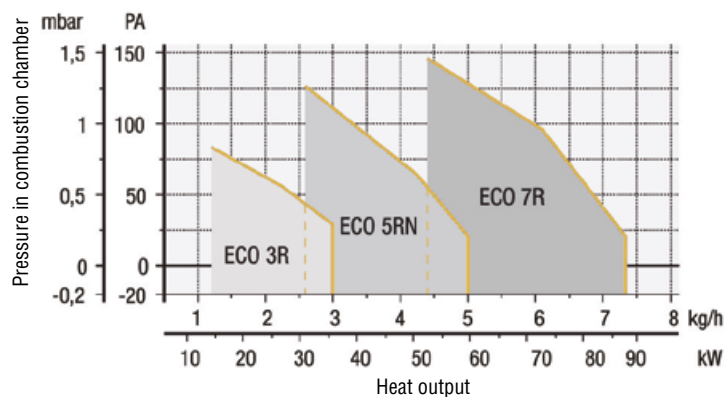
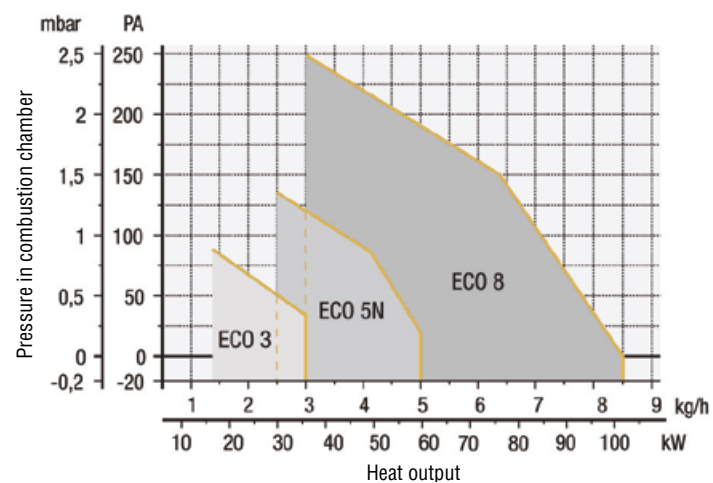
Z300840017	ECO 3R
Z300841231	ECO 5RN
Z300840413	ECO 7R

Technical data

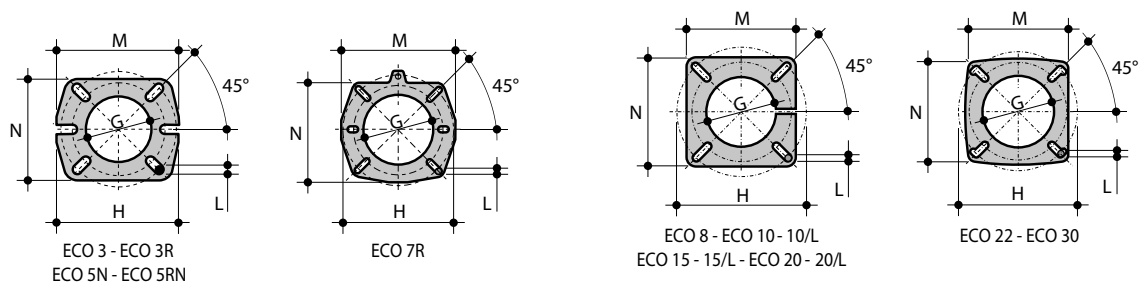


Model	Flow rate	Heat output	Motor	A	B	C	D	D1	E	F	G
	kg/h	kW	230V ~ 50Hz	mm	mm	mm	mm	mm	mm	Ø mm	Ø mm
ECO 3	1.4 - 3	16.6 - 35.6	100 W single	250	215	320	90	-	160	80	-
ECO 5N	2.5 - 5	29.6 - 59.3	100 W single	280	247	342	90	-	195	80	-
ECO 8	3 - 8.5	35.6 - 100.8	100 W single	230	285	465	-	60 - 120	232	89	-
ECO 10	5 - 10.5	59.3 - 124.5	100 W single	230	285	483	-	60 - 125	232	114	-
ECO 10/L	5.0 - 10.5	59.3 - 124.5	100 W single	230	285	618	-	60 - 260	232	114	-
ECO 15	7 - 14.8	83 - 175.5	185 W single	275	340	550	-	80 - 150	274	114	-
ECO 15/L	7.0 - 14.8	83.0 - 175.5	185 W single	275	340	685	-	80 - 285	274	114	-
ECO 20	11 - 21	128 - 249	185 W single	275	340	535	-	60 - 135	274	114	-
ECO 20/L	11.0 - 21.0	128.0 - 249.0	185 W single	275	340	700	-	60 - 300	274	114	-
ECO 22	11.5 - 22	136.4 - 261	250 W single	360	350	576	-	60 - 200	275	120	-
ECO 30	16 - 30	190 - 356	370 W single	420	423	770	-	70 - 320	350	135	-
ECO 3R	1.2 - 3	14.2 - 35.6	100 W single	250	215	320	90	-	160	80	-
ECO 5RN	2.6 - 5	30.8 - 59.3	100 W single	280	247	342	90	-	195	80	-
ECO 7R	4.4 - 7.3	52.2 - 86.6	100 W single	280	247	410	-	40 - 140	195	90	-

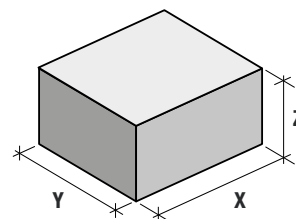
Working curves



Technical data



Model	G	H	L	M	N	Dimensions X Y Z	Weight
	Ø mm	Ø mm	Ø mm	Ø mm	Ø mm	cm	kg
ECO 3	85	135 - 160	M8	170	144	45 x 34 x 31	11.3
ECO 5N	85	135 - 160	M8	170	144	45 x 34 x 31	12.5
ECO 8	95	127 - 198	M8	160	160	52 x 37 x 28	12.6
ECO 10	120	155 - 210	M8	180	180	52 x 37 x 28	12.6
ECO 15	120	155 - 210	M8	180	180	63 x 33 x 40	16
ECO 20	120	155 - 210	M8	180	180	63 x 33 x 40	17
ECO 22	135	160 - 225	M10	225	205	76 x 44 x 40	23
ECO 30	145	172 - 225	M10	225	205	96 x 50 x 54	33.5
ECO 10/L	120	110 - 150	M8	180	180	55.5 x 29.5 x 39	13
ECO 15/L	120	110 - 150	M8	180	180	64 x 33.5 x 40	15
ECO 20/L	120	110 - 150	M8	180	180	64 x 33.5 x 40	15
ECO 3R	85	135 - 160	M8	170	144	45 x 34 x 31	11.5
ECO 5RN	85	135 - 160	M8	170	144	45 x 34 x 31	12.6
ECO 7 R	95	135 - 160	M8	180	154	45 x 34 x 31	13.6





Eco/2

Two-stage burners

Adjustment of the air and combustion head.
Electric servo control on the air damper. Excellent combustion thanks to uniform air distribution. Stabilised ventilation.
Soundproof hood. Compact dimensions

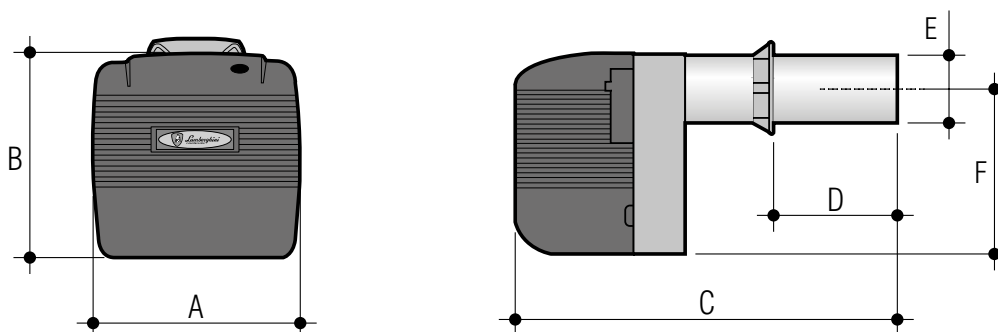


Burner code	Burner model
Z300840381	ECO 7/2
Z300841294	ECO 15/2
Z300840744	ECO 20/2
Z300840655	ECO 22/2
Z300870161	ECO 30/2
Z300870171	ECO 40/2

NB: products available on stock

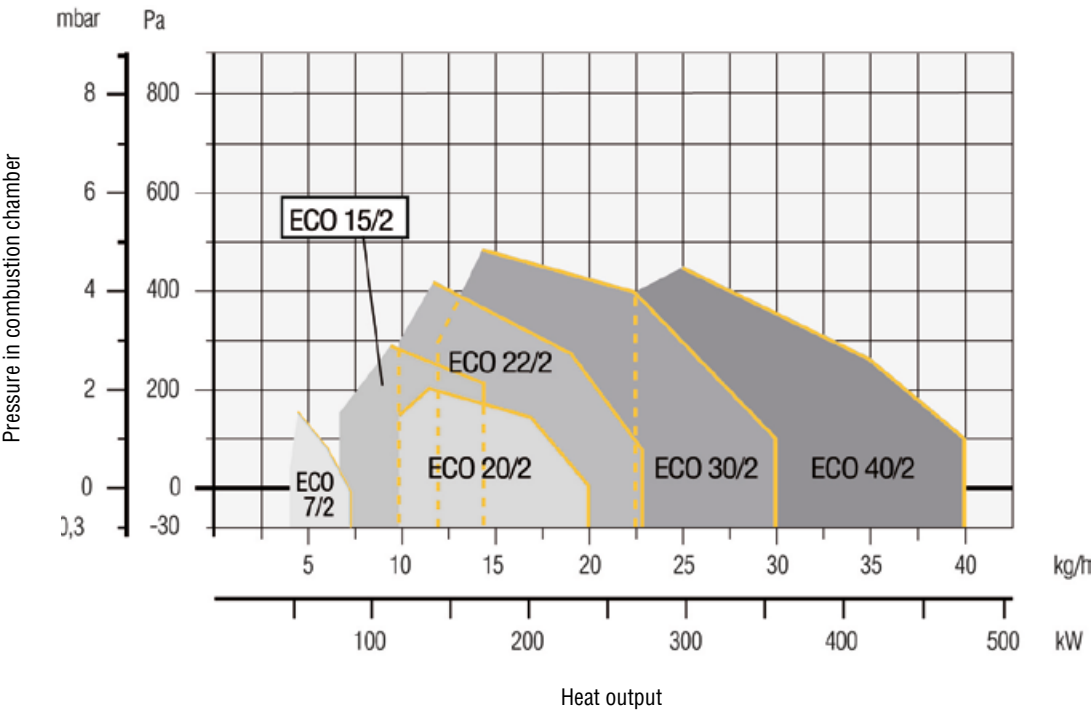
NB: The burners of the Eco/2 series can only be sold and installed in conformity with EU regulation 813/2013 (Art. 1, Paragraph 2, Section G)

Technical data

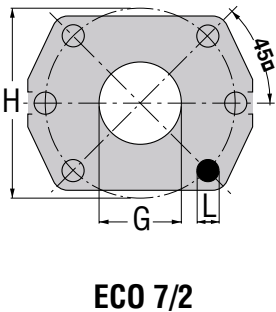
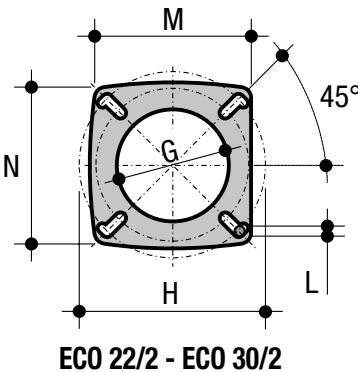
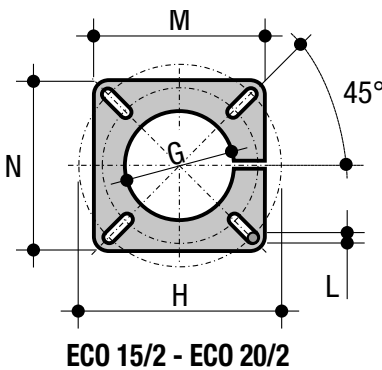


Model	Flow rate	Heat output	Motor	A	B	C	D	E	F
	kg/h	kW	230V ~ 50Hz	mm	mm	mm	mm	Ø mm	mm
ECO 7/2	4 - 7.3	47.4 - 86.6	100 W single	280	247	410	40 - 140	90	195
ECO 15/2	7 - 14.8	83 - 175.5	185 W single	275	340	685	80 - 285	114	274
ECO 20/2	10 - 20	118.6 - 237.2	185 W single	275	340	700	60 - 300	114	274
ECO 22/2	10 - 23	118.6 - 272.8	250 W single	360	350	576	60 - 300	120	275
ECO 30/2	12 - 30	142.3 - 356	370 W single	420	423	770	70 - 320	135	350
ECO 40/2	22.5 - 40	266.9 - 474	370 W single	420	423	790	70 - 320	148	350

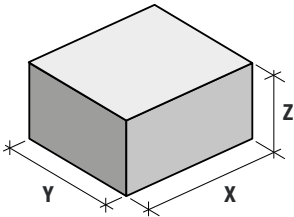
Working curves



Technical data



Model	G	H	L	M	N	Dimensions X Y Z	Weight
	Ø mm	Ø mm	mm	mm	mm	cm	kg
ECO 7/2	95	140 - 180	M8	-	-	45 x 34 x 31	15.8
ECO 15/2	120	155 - 210	M8	180	180	76 x 36 x 44	18
ECO 20/2	120	155 - 210	M8	180	180	76 x 36 x 44	19
ECO 22/2	135	160 - 225	M10	214	205	76 x 44 x 40	24
ECO 30/2	145	172 - 225	M10	214	205	96 x 50 x 54	35
ECO 40/2	160	172 - 225	M10	214	205	96 x 50 x 54	35



2ST

3ST

Lmb LO

Two-stage (2ST) and three stage (3ST) light oil burners

Adjustment of the combustion head. BC version with short nozzle. BL version with long nozzle. Electric servo control on the air damper. Stabilised ventilation. Electrical panel.

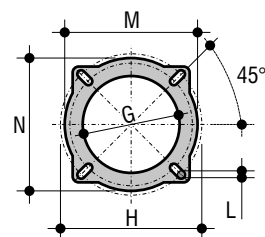
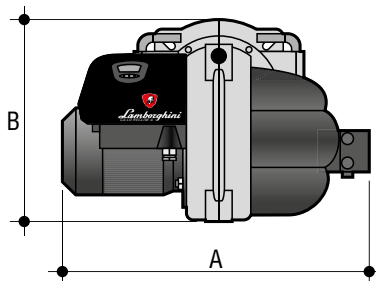
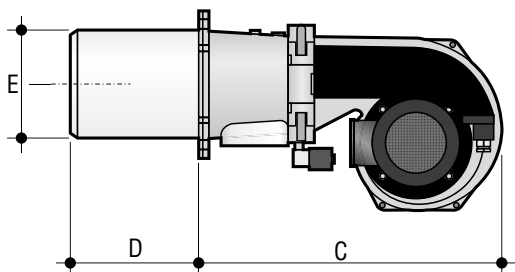


Burner code	Burner model
Z300845960	LMB LO 300
Z300845970	LMB LO 450
Z300845871	LMB LO 700 BC - 2ST
Z300845881	LMB LO 700 BL - 2ST
Z300845851	LMB LO 700 BC - 3 ST
Z300845861	LMB LO 700 BL - 3 ST
Z300845281	LMB LO 1000 BC - 2ST
Z300845301	LMB LO 1000 BL - 2ST
Z300845081	LMB LO 1000 BC - 3ST
Z300845191	LMB LO 1000 BL - 3ST
Z300845351	LMB LO 1300 - 2ST
Z300845091	LMB LO 1300 - 3ST
Z300845361	LMB LO 2000 - 2ST
Z300845101	LMB LO 2000 - 3ST

NB: products delivered within 3 weeks from the date of the order

NB: The burners of the LMB LO 300 series can only be sold and installed in conformity with EU regulation 813/2013 (Art. 1, Paragraph 2, Section G)

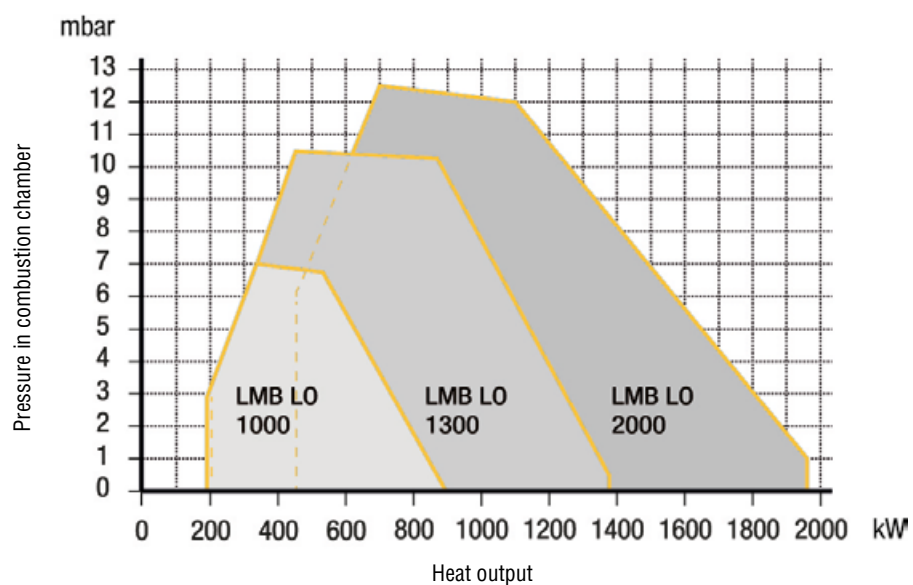
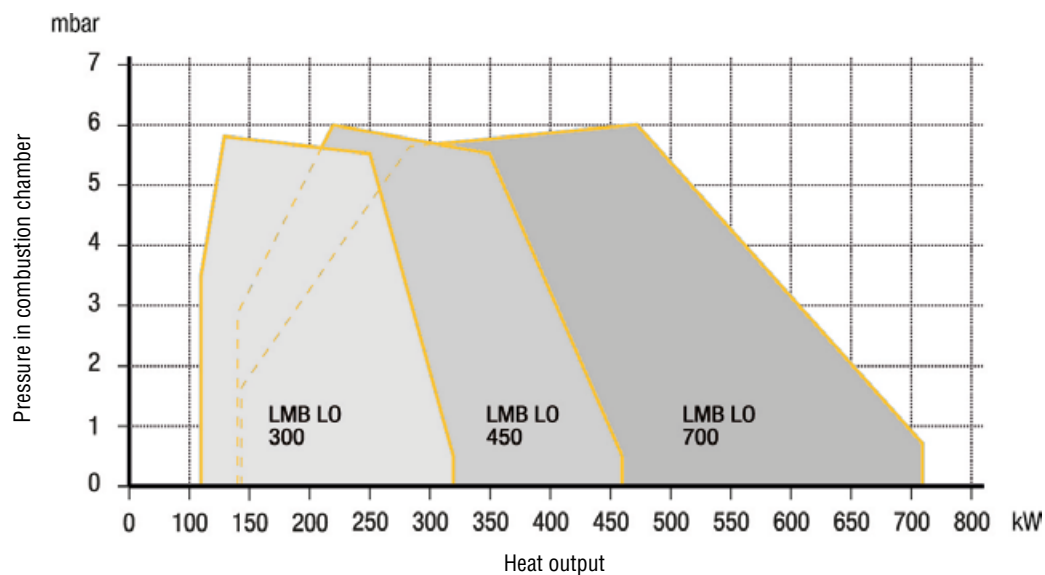
Technical data



Model	Flow rate	Heat output	Motor	Packaging dimensions	Weight
	kg/h	kW	230V/400V ~ 50Hz	cm	kg
LMB LO 300	9.7 - 30.4	115 - 360	370 W single-phase	70 x 60 x 60	18
LMB LO 450	11.8 - 39.6	140 - 470	370 W single-phase	70 x 60 x 60	18
LMB LO 700 BC	11.4 - 59.4	135 - 704	750 W three-phase	102 x 60 x 44	32
LMB LO 700 BL	11.4 - 59.4	135 - 704	750 W three-phase	102 x 60 x 44	32
LMB LO 1000 BC	16.1 - 80.0	192 - 950	1100 W three-phase	102 x 60 x 44	33
LMB LO 1000 BL	16.1 - 80.0	192 - 950	1100 W three-phase	102 x 60 x 44	33
LMB LO 1300	41.1 - 115.0	201 - 1370	2200 W three-phase	104 x 68 x 56	41
LMB LO 2000	59.8 - 166.0	452 - 1976	3000 W three-phase	104 x 68 x 56	42

Model	A	B	C	D	E	G	H	L	M	N
	mm	mm	mm	mm	Ø mm	Ø mm	Ø mm	mm	mm	mm
LMB LO 300	480	340	370	220	124	135	194 - 234	M12	216	216
LMB LO 450	480	340	370	220	138	150	194 - 234	M12	216	216
LMB LO 700 BC	560	370	540	235	166	180	246 - 286	M12	268	268
LMB LO 700 BL	560	370	540	325	166	180	246 - 286	M12	268	268
LMB LO 1000 BC	560	370	540	230	196	205	246 - 286	M12	268	268
LMB LO 1000 BL	560	370	540	320	196	205	246 - 286	M12	268	268
LMB LO 1300	650	440	620	340	244	255	294 - 334	M12	316	316
LMB LO 2000	650	440	620	340	244	255	294 - 334	M12	316	316

Working curves





PG/2

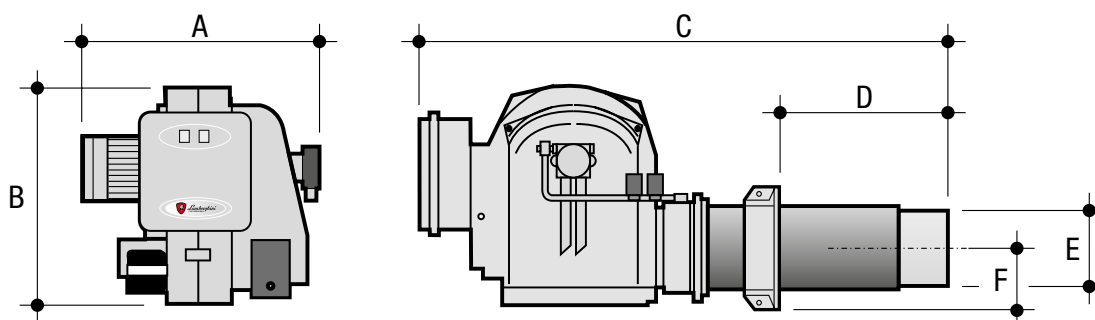
Two-stage oil burners

Two-stage oil burners suitable for pressurised boilers.
External adjustment of the combustion head.
Electric servo control on the air damper.
Stabilised ventilation.



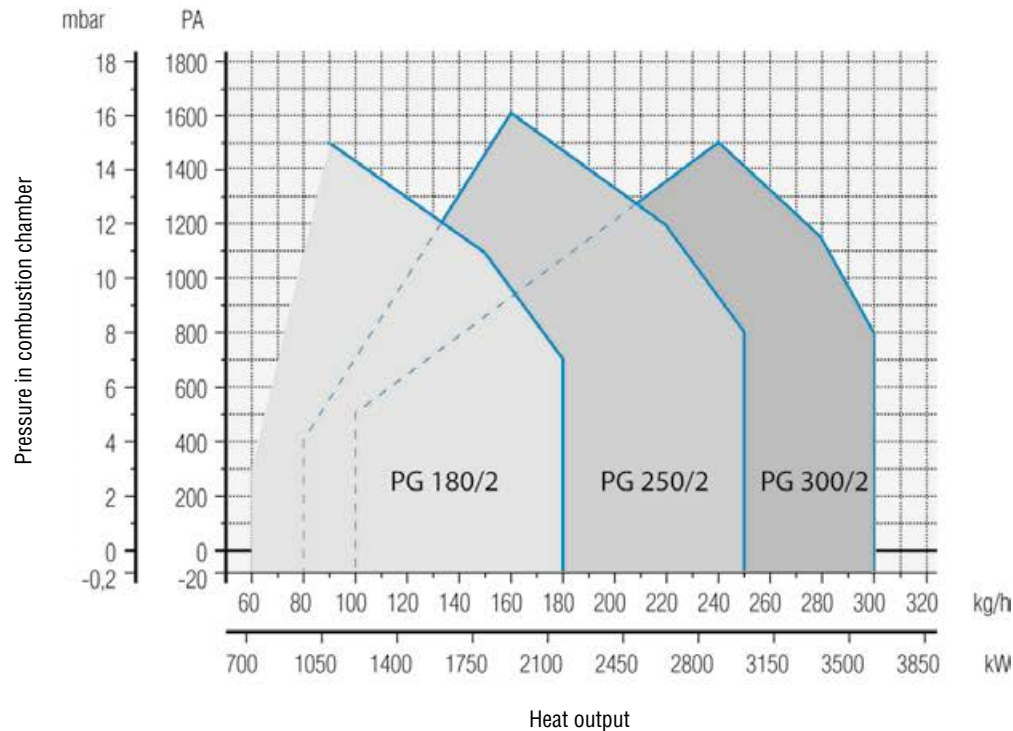
Burner code	Burner model
Z300802101	PG 180/2
Z300802151	PG 250/2
Z300802201	PG 300/2

Technical data

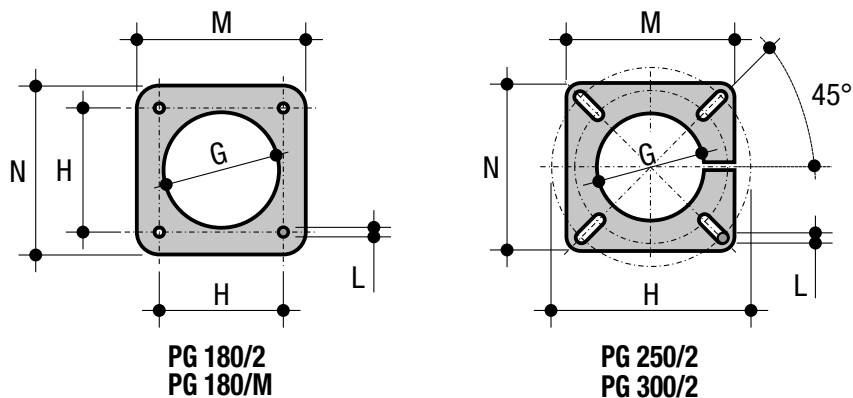


Model	Flow rate	Heat output	Motor	A	B	C	D	E	F
	kg/h	kW	230V ~ 50Hz	mm	mm	mm	mm	Ø mm	mm
PG 180/2	60 ÷ 180	711.6 ÷ 2,135	4,785 W three	870	700	1,64	200 ÷ 520	246	160
PG 250/2	80 ÷ 250	949 ÷ 2,965	7,360 W three	860	700	1,7	250 ÷ 600	304	200
PG 300/2	100 ÷ 300	1,186 ÷ 3,558	7,360 W three	860	700	1,7	250 ÷ 600	316	200

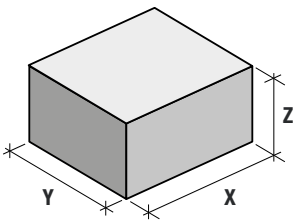
Working curves



Technical data



Model	G	H	L	M	N	Dimensions X Y Z	Weight
	Ø mm	Ø mm	mm	mm	mm	cm	kg
PG 180/2	260	235	M16	320	320	180 x 90 x 92	201
PG 250/2	320	380 ÷ 440	M16	400	400	180 x 90 x 92	295
PG 300/2	320	380 ÷ 440	M16	400	400	180 x 90 x 92	330



Gas burners



EM LN

da 27 ÷ 150 kW



EM LN/AB-PR

da 35 ÷ 490 kW



EM - E

da 11.9 ÷ 320 kW



EM/2 - M - E

da 43 ÷ 390 kW



LMB G

da 110 ÷ 1.918 kW



PM M-E

940 ÷ 4.275 kW



Gas burners

- “Low NOx” gas burners
- Gas burners
- Accessories



LOW
NO_x

Em LN

Single-stage burners. Very low NO_x emissions (class 3 ≤ 80 mg/kWh) achieved with a special combustion head

- Operating with natural gas
- Gas train with stabiliser, double valve and filter
- Adjustable combustion head
- Internal combustion air regulator (mod. Em 4 LN - Em 7 LN), or internal (mod. EM 13 LN - EM 21 LN)
- Air damper with gravity closure when stopped
- Stabilised ventilation
- Accessories assembly kit and valve sealing control kit

(for kits dedicated to Em LN burners, see “Accessories”)

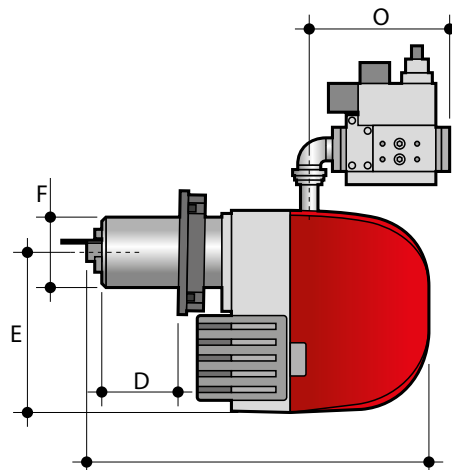
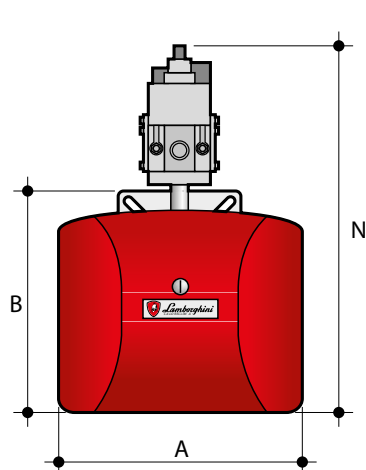
Burner code	Burner model
0U3C7CXD	EM 4 LN 15
0U3C7DXD	EM 4 LN 15 L
0U3C9AXD	EM 7 LN 15
0U3C9BXD	EM 7 LN 15 L
0U3C9CXD	EM 7 LN 20
0U3C9DXD	EM 7 LN 20 L
0U3CCAXD	EM 13 LN 20
0U3CCBXD	EM 13 LN 20 L
0U3CDAXD	EM 21 LN 20
0U3CDBXD	EM 21 LN 20 L
0U3CDCXD	EM 21 LN 25
0U3CDDXD	EM 21 LN 25 L

NB: products delivered within 3 weeks from the date of the order

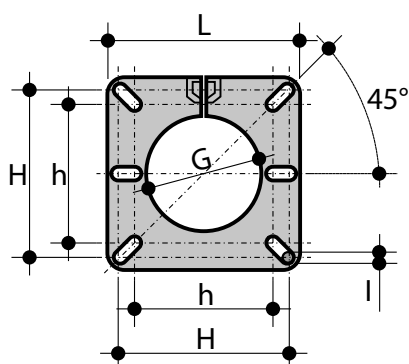
Model	Natural Gas Flow Rate	Minimum Pressure Natural Gas	Heat output	Motor	Fan motor absorption	Gas train connection
	m ³ /h	mbar*	kW		W	Ø
EM 4 LN 15	2.72 - 4.12	10	27 - 41	230 V / 50 Hz / single-phase	75	1/2"
EM 4 LN 15 L	2.72 - 4.12	10	27 - 41	230 V / 50 Hz / single-phase	75	1/2"
EM 7 LN 15	4.02 - 6.54	23	40 - 65	230 V / 50 Hz / single-phase	100	1/2"
EM 7 LN 15 L	4.02 - 6.54	23	40 - 65	230 V / 50 Hz / single-phase	100	1/2"
EM 7 LN 20	4.02 - 6.54	20	40 - 65	230 V / 50 Hz / single-phase	100	3/4"
EM 7 LN 20 L	4.02 - 6.54	20	40 - 65	230 V / 50 Hz / single-phase	100	3/4"
EM 13 LN 20	7.54 - 12.07	13.5	75 - 120	230 V / 50 Hz / single-phase	180	3/4"
EM 13 LN 20 L	7.54 - 12.07	13.5	75 - 120	230 V / 50 Hz / single-phase	180	3/4"
EM 21 LN 20	8.55 - 15.09	15	85 - 150	230 V / 50 Hz / single-phase	180	3/4"
EM 21 LN 20 L	8.55 - 15.09	15	85 - 150	230 V / 50 Hz / single-phase	180	3/4"
EM 21 LN 25	8.55 - 15.09	11	85 - 150	230 V / 50 Hz / single-phase	180	1"
EM 21 LN 25 L	8.55 - 15.09	11	85 - 150	230 V / 50 Hz / single-phase	180	1"

* Minimum gas pressure to obtain maximum burner output with 0 mbar pressure in the combustion chamber

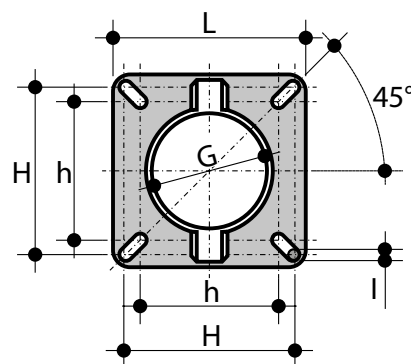
Technical data



Em 4 LN - Em 7 LN



Em 13 LN - Em 21 LN



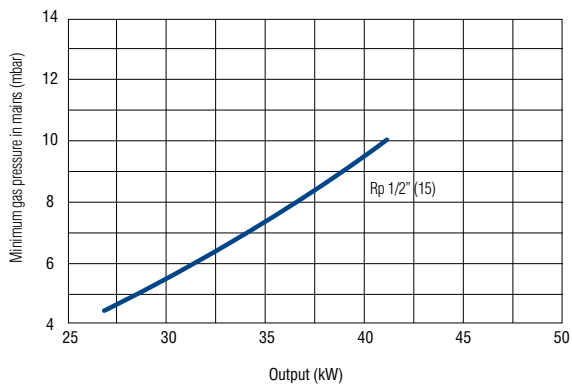
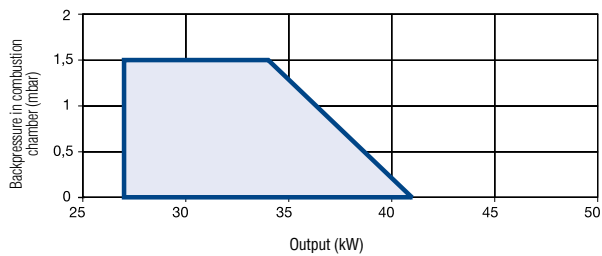
Model	A	B	C	D (min-max)	E	F	N	O	G	h - H	I	L
	mm	mm	mm	mm	mm	Ø mm	mm	mm	Ø mm	Ø mm	mm	mm
EM 4 LN 15	269	266	338	58 - 98	194	80	400	168	95	96 - 120	M8	145
EM 4 LN 15 L	269	266	418	58 - 178	194	80	400	168	95	96 - 120	M8	145
EM 7 LN 15	304	291	393	76	218	80	438	168	95	96 - 120	M8	145
EM 7 LN 15 L	304	291	461	76 - 149	218	80	438	168	95	96 - 120	M8	145
EM 7 LN 20	304	291	393	76	218	80	438	168	95	96 - 120	M8	145
EM 7 LN 20 L	304	291	461	76 - 149	218	80	438	168	95	96 - 120	M8	145
EM 13 LN 20	373	340	581	85 - 170	245	108	560	220	128	108 - 158	M8	188
EM 13 LN 20 L	373	340	681	85 - 270	245	108	560	220	128	108 - 158	M8	188
EM 21 LN 20	373	340	581	85 - 170	245	115	560	220	134	108 - 158	M8	188
EM 21 LN 20 L	373	340	681	85 - 270	245	115	560	220	134	108 - 158	M8	188
EM 21 LN 25	373	340	581	85 - 170	245	115	560	220	134	108 - 158	M8	188
EM 21 LN 25 L	373	340	681	85 - 270	245	115	560	220	134	108 - 158	M8	188



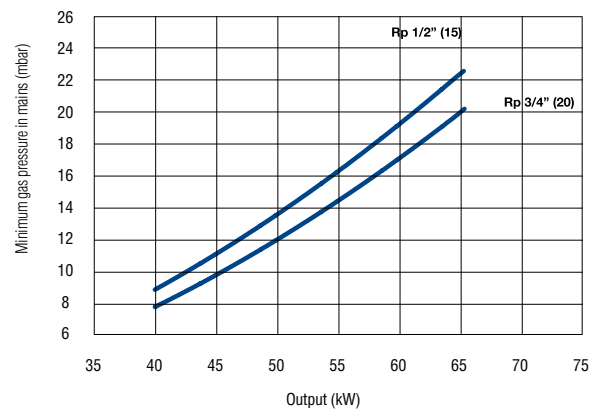
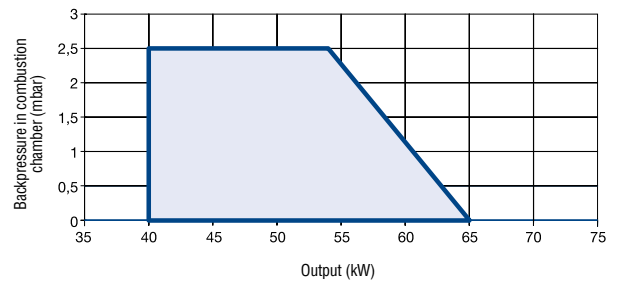
"Low NOx" gas burners

Working curves

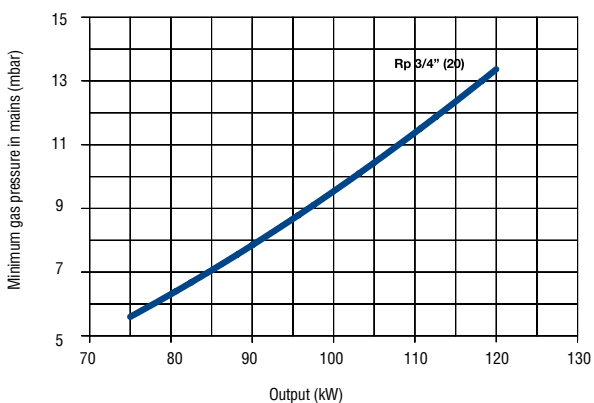
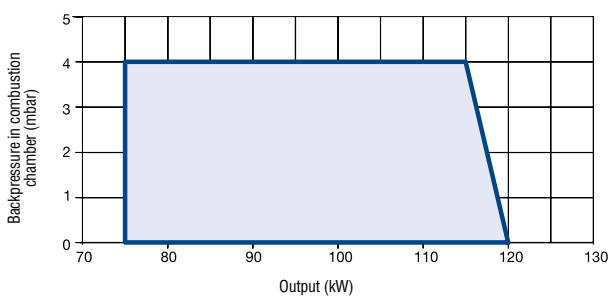
Em 4 LN



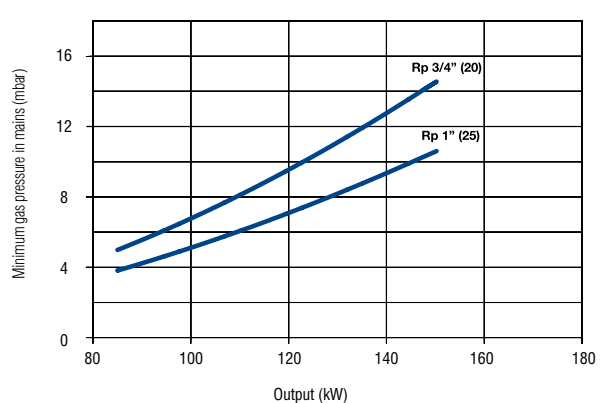
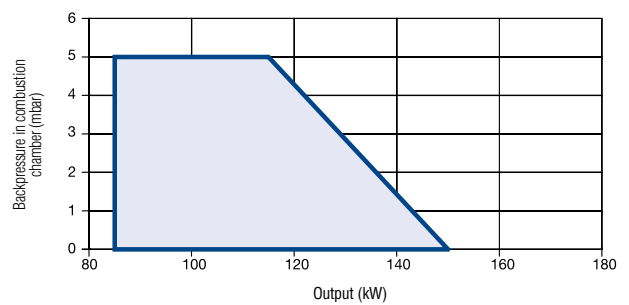
Em 7 LN



Em 13 LN



Em 21 LN





Em LN/AB - Em LN/PR

LOW NOx, AB: Two-stage - PR: Progressive two-stage

- Optional continuous modulation operation by applying the modul kit (on demand)
- Operating with natural gas
- Gas train with stabiliser, double valve and filter
- Adjustable combustion head
- Electric servo control on the air damper and stabilised ventilation
- Adjustment of the gas flow rate through the variable profile cam controlled by the electric servo control
- Accessories assembly kit and valve sealing control kit
- Modulation kit (temperature/pressure) available as optional

For kits dedicated to Em LN/AB - Em LN/PR burners, see “Accessories”

Burner code	Burner model
OU3BCAXD	EM 13 LN AB 20
OU3BCBXD	EM 13 LN AB 20 L
OU3BDAXD	EM 21 LN PR 25
OU3BDBXD	EM 21 LN PR 25 L
OU3BEAXD	EM 30 LN PR 25
OU3BEBXD	EM 30 LN PR 25 L
OU3BECXD	EM 30 LN PR 32
OU3BEDXD	EM 30 LN PR 32 L
OU3BEEXD	EM 30 LN PR 40
OU3BEFXD	EM 30 LN PR 40 L
OU3BFAXD	EM35 LN PR 25
OU3BFCXD	EM35 LN PR 32
OU3BFEXD	EM35 LN PR 40

Burner code	Burner model
OU3BGAXD	EM 42 LN PR 25
OU3BGCXD	EM 42 LN PR 32
OU3BGEXD	EM 42 LN PR 40
OU3BGGXD	EM 42 LN PR 50
OU3BHAXD	EM 49 LN PR 32
OU3HBXD	EM 49 LN PR 32 L
OU3BHCXD	EM 49 LN PR 40
OU3BHDXD	EM 49 LN PR 40 L
OU3BHEXD	EM 49 LN PR 50
OU3BHFXD	EM 49 LN PR 50 L

NB: products delivered within 3 weeks from the date of the order

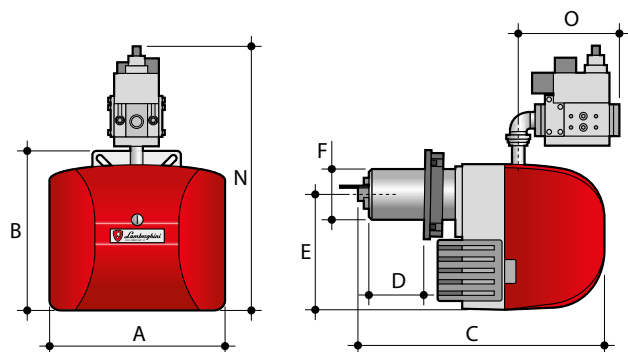
Model	Natural Gas Flow Rate m³/h	Min. pressure Natural Gas mbar*	Power kW	Electric power supply	Fan motor absorption	Gas Train connection
EM 13 LN AB 20	3.52 - 12.07	13.5	35 - 120	230 V/ 50 Hz / single-phase	0.18 kW	3/4
EM 13 LN AB 20 L	3.52 - 12.07	13.5	35 - 120	230 V/ 50 Hz / single-phase	0.18 kW	3/4
EM 21 LN PR 25	4.02 - 15.09	11	40 - 150	230 V/ 50 Hz / single-phase	0.18 kW	1"
EM 21 LN PR 25 L	4.02 - 15.09	11	40 - 150	230 V/ 50 Hz / single-phase	0.18 kW	1"
EM 30 LN PR 25	6.04 - 19.11	16.5	60 - 190	230 V/ 50 Hz / single-phase	0.25 kW	1"
EM 30 LN PR 25 L	6.04 - 19.11	16.5	60 - 190	230 V/ 50 Hz / single-phase	0.25 kW	1"
EM 30 LN PR 32	6.04 - 19.11	15.5	60 - 190	230 V/ 50 Hz / single-phase	0.25 kW	1" 1/4
EM 30 LN PR 32 L	6.04 - 19.11	15.5	60 - 190	230 V/ 50 Hz / single-phase	0.25 kW	1" 1/4
EM 30 LN PR 40	6.04 - 19.11	15	60 - 190	230 V/ 50 Hz / single-phase	0.25 kW	1" 1/2
EM 30 LN PR 40 L	6.04 - 19.11	15	60 - 190	230 V/ 50 Hz / single-phase	0.25 kW	1" 1/2
EM35 LN PR 25	6.54 - 26.15	24	65 - 260	230 V/ 50 Hz / single-phase	0.37 kW	1"
EM35 LN PR 32	6.54 - 26.15	19	65 - 260	230 V/ 50 Hz / single-phase	0.37 kW	1" 1/4
EM35 LN PR 40	6.54 - 26.15	17.5	65 - 260	230 V/ 50 Hz / single-phase	0.37 kW	1" 1/2
EM 42 LN PR 25	9.05 - 35.20	25	90 - 350	230 V/ 50 Hz / single-phase	0.37 kW	1"
EM 42 LN PR 32	9.05 - 35.20	15	90 - 350	230 V/ 50 Hz / single-phase	0.37 kW	1" 1/4
EM 42 LN PR 40	9.05 - 35.20	12	90 - 350	230 V/ 50 Hz / single-phase	0.37 kW	1" 1/2
EM 42 LN PR 50	9.05 - 35.20	11.5	90 - 350	230 V/ 50 Hz / single-phase	0.37 kW	2"
EM 49 LN PR 32	13.22 - 49.29	30	132 - 490	230 V/ 50 Hz / single-phase	0.62 kW	1" 1/4
EM 49 LN PR 32 L	13.22 - 49.29	30	132 - 490	230 V/ 50 Hz / single-phase	0.62 kW	1" 1/4
EM 49 LN PR 40	13.22 - 49.29	20	132 - 490	230 V/ 50 Hz / single-phase	0.62 kW	1" 1/2
EM 49 LN PR 40 L	13.22 - 49.29	20	132 - 490	230 V/ 50 Hz / single-phase	0.62 kW	1" 1/2
EM 49 LN PR 50	13.22 - 49.29	14	132 - 490	230 V/ 50 Hz / single-phase	0.62 kW	2"
EM 49 LN PR 50 L	13.22 - 49.29	14	132 - 490	230 V/ 50 Hz / single-phase	0.62 kW	2"

* Minimum gas pressure to obtain maximum burner output with 0 mbar pressure in the combustion chamber

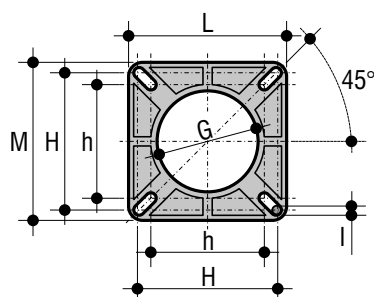
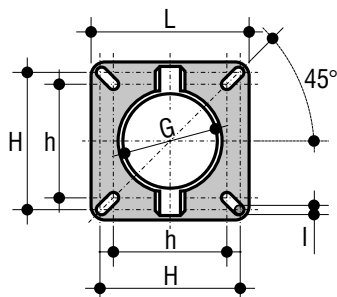
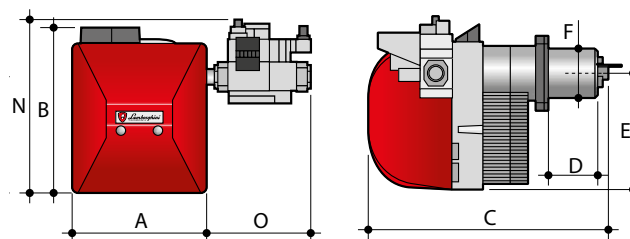
“Low NOx” gas burners

Technical data

Em 13 LN/AB - Em 21 LN/PR



Em 30 LN/PR - Em 35 LN/PR
Em 42 LN/PR - Em 49 LN/PR

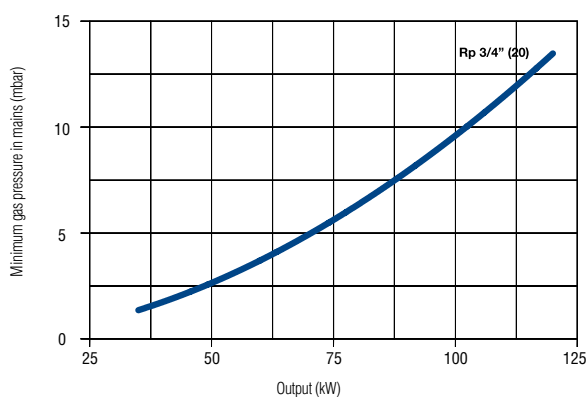
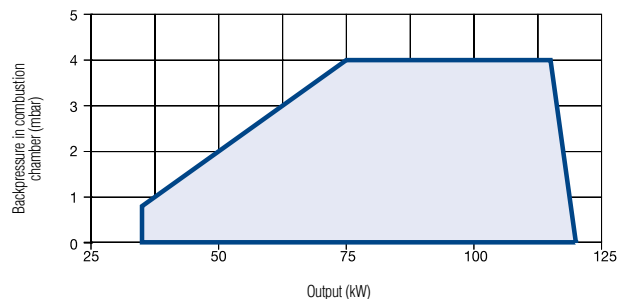


Model	A	B	C	D (min-max)	E	F	N	O	G	h ÷ H	I	L	M
	mm	mm	mm	mm	mm	Ø mm	mm	mm	Ø mm	Ø mm	mm	mm	mm
EM 13 LN AB 20	373	340	581	85-170	245	108	560	-	128	108-158	M8	188	-
EM 13 LN AB 20 L	373	340	681	85-270	245	108	560	-	128	108-158	M8	188	-
EM 21 LN PR 25	373	340	581	85-170	245	115	560	-	134	108-158	M8	188	-
EM 21 LN PR 25 L	373	340	681	85-270	245	115	560	-	134	108-158	M8	188	-
EM 30 LN PR 25	396	491	754	163	-	113	508	200	164	131-179	M10	215	223
EM 30 LN PR 25 L	396	491	899	308	-	113	508	200	164	131-179	M10	215	223
EM 30 LN PR 32	396	491	754	163	-	113	508	200	164	131-179	M10	215	223
EM 30 LN PR 32 L	396	491	899	308	-	113	508	200	164	131-179	M10	215	223
EM 30 LN PR 40	396	491	754	163	-	113	517	330	164	131-179	M10	215	223
EM 30 LN PR 40 L	396	491	899	308	-	113	517	330	164	131-179	M10	215	223
EM35 LN PR 25	396	491	778	178 or 308*	-	131 + 19	508	200	164	131-179	M10	215	223
EM35 LN PR 32	396	491	908	178 or 308*	-	131 + 19	508	200	164	131-179	M10	215	223
EM35 LN PR 40	396	491	778	178 or 308*	-	131 + 19	517	330	164	131-179	M10	215	223
EM 42 LN PR 25	396	491	798 + 19	198 or 308*	-	148	508	200	168	131-179	M10	215	223
EM 42 LN PR 32	396	491	798 + 19	198 or 308*	-	148	508	200	168	131-179	M10	215	223
EM 42 LN PR 40	396	491	798 + 19	198 or 308*	-	148	517	330	168	131-179	M10	215	223
EM 42 LN PR 50	396	491	798 + 19	198 or 308*	-	148	567	330	168	131-179	M10	215	223
EM 49 LN PR 32	426	533	874	253	384	168	543	245	198	157-192	M10	241	241
EM 49 LN PR 32 L	426	533	974	353	384	168	543	245	198	157-192	M10	241	241
EM 49 LN PR 40	426	533	874	253	384	168	553	318	198	157-192	M10	241	241
EM 49 LN PR 40 L	426	533	974	353	384	168	553	318	198	157-192	M10	241	241
EM 49 LN PR 50	426	533	874	253	384	168	603	318	198	157-192	M10	241	241
EM 49 LN PR 50 L	426	533	974	353	384	168	603	318	198	157-192	M10	241	241

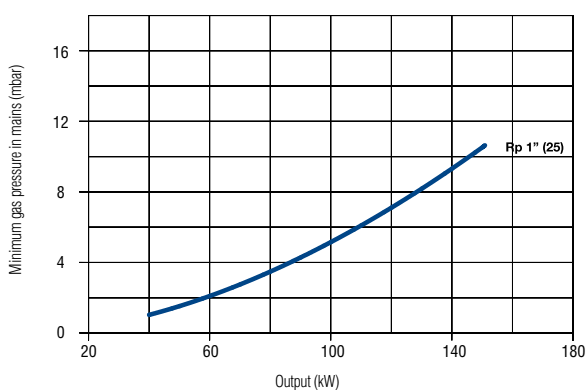
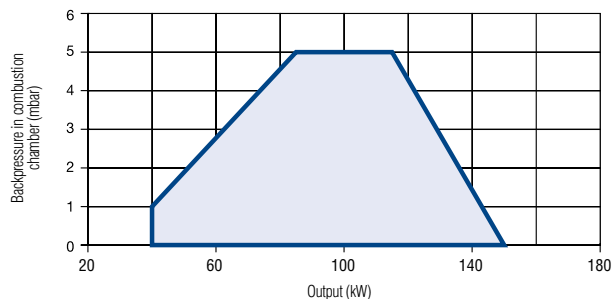
* Nozzle adjustable to 2 lengths

Working curves

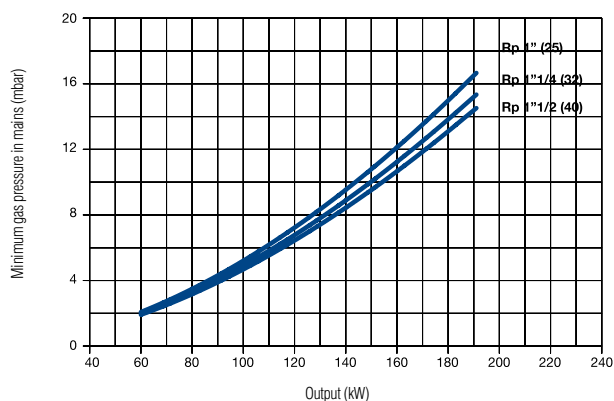
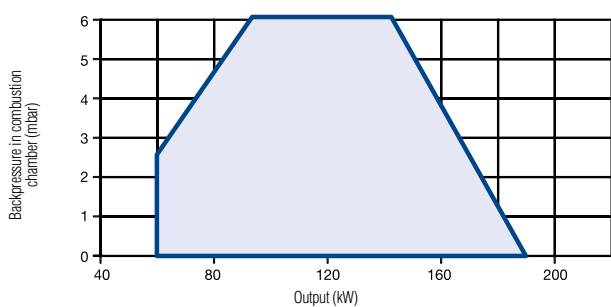
Em 13 LN AB



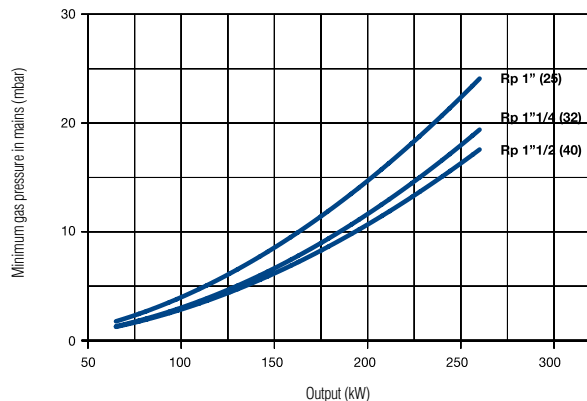
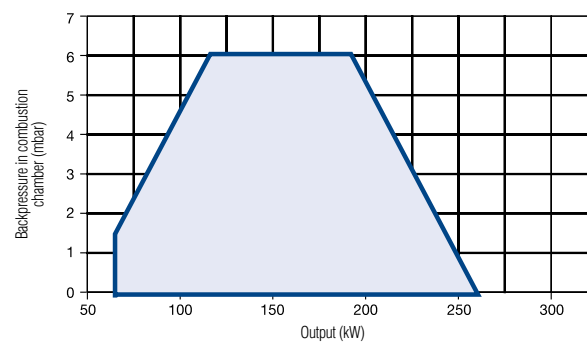
Em 21 LN PR



Em 30 LN PR



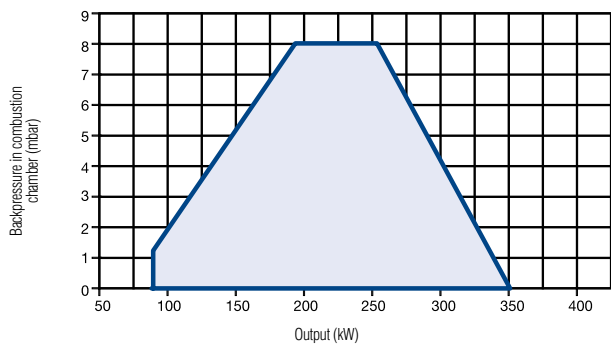
Em 35 LN PR



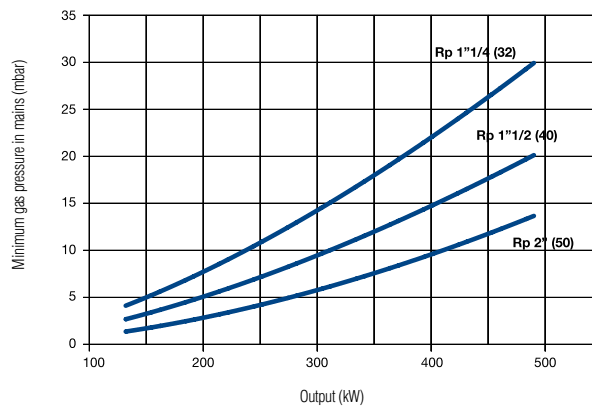
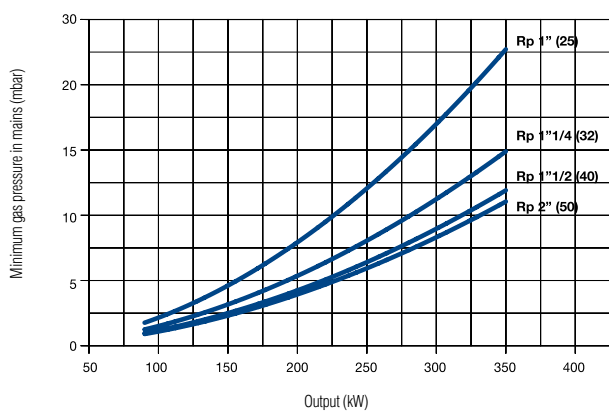
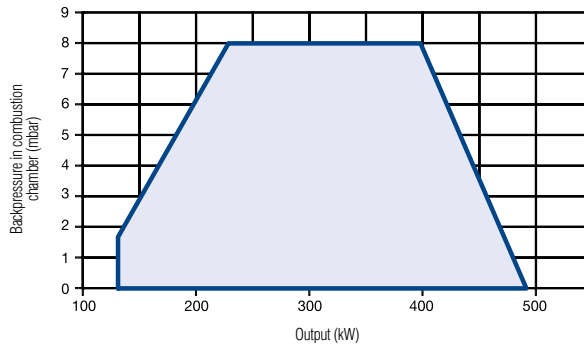
"Low NOx" gas burners

Working curves

Em 42 LN PR



Em 49 LN PR



**Accessories on demand**

- Accessories assembly kit
- Valve sealing control kit
- For accessories dedicated to EM-E burners, see accessories

Burner code	Burner model
Z300873960	EM 3-E.D1
Z300860111	EM 3-E.D2
Z300860121	EM 3-E.D3
Z300873970	EM 6-E.D1
Z300860211	EM 6-E.D2
Z300860221	EM 6-E.D3
Z300860301	EM 9-E.D2
Z300860311	EM 9-E.D3
Z300860054	EM 12-E.D6
Z300873020	EM 12/L-E.D6
Z300860063	EM 12-E.D3
Z300873030	EM 12/L-E.D3
Z300860401	EM 16-E.D3
Z300860411	EM 16-E.D4

EM-E

Single-stage burners

- Operating with natural gas or LPG (for mod. Em 16-E - Em 26-E requires conversion kit, available on-demand)
- Gas train with stabiliser, double valve and filter
- Adjustment of the combustion head (external in mod. Em 26-E - Em 35-E)
- Adjustment of the combustion air outside the burner
- Air damper with gravitational closure when stopped (excl. mod. Em 35-E)
- Stabilised ventilation
- Soundproof hood
- Equipped with a hinge for full inspection (mod. Em 26-E - Em 35-E)
- Easy installation thanks to the universally drilled mobile flange (sliding from mod. Em 9-E to Em 35-E)
- Supplied in 2 packages (Burner + Gas train)

Burner code	Burner model
Z300874130	EM 16/L-E.D4
Z300860353	EM 18-E.D6
Z300873040	EM 18/L-E.D6
Z300860362	EM 18-E.D3
Z300873050	EM 18/L-E.D3
Z300860501	EM 26-E.D6
Z300860511	EM 26-E.D3
Z300860521	EM 26-E.D4
Z300870202	EM 35-E.D7
Z300870212	EM 35-E.D4

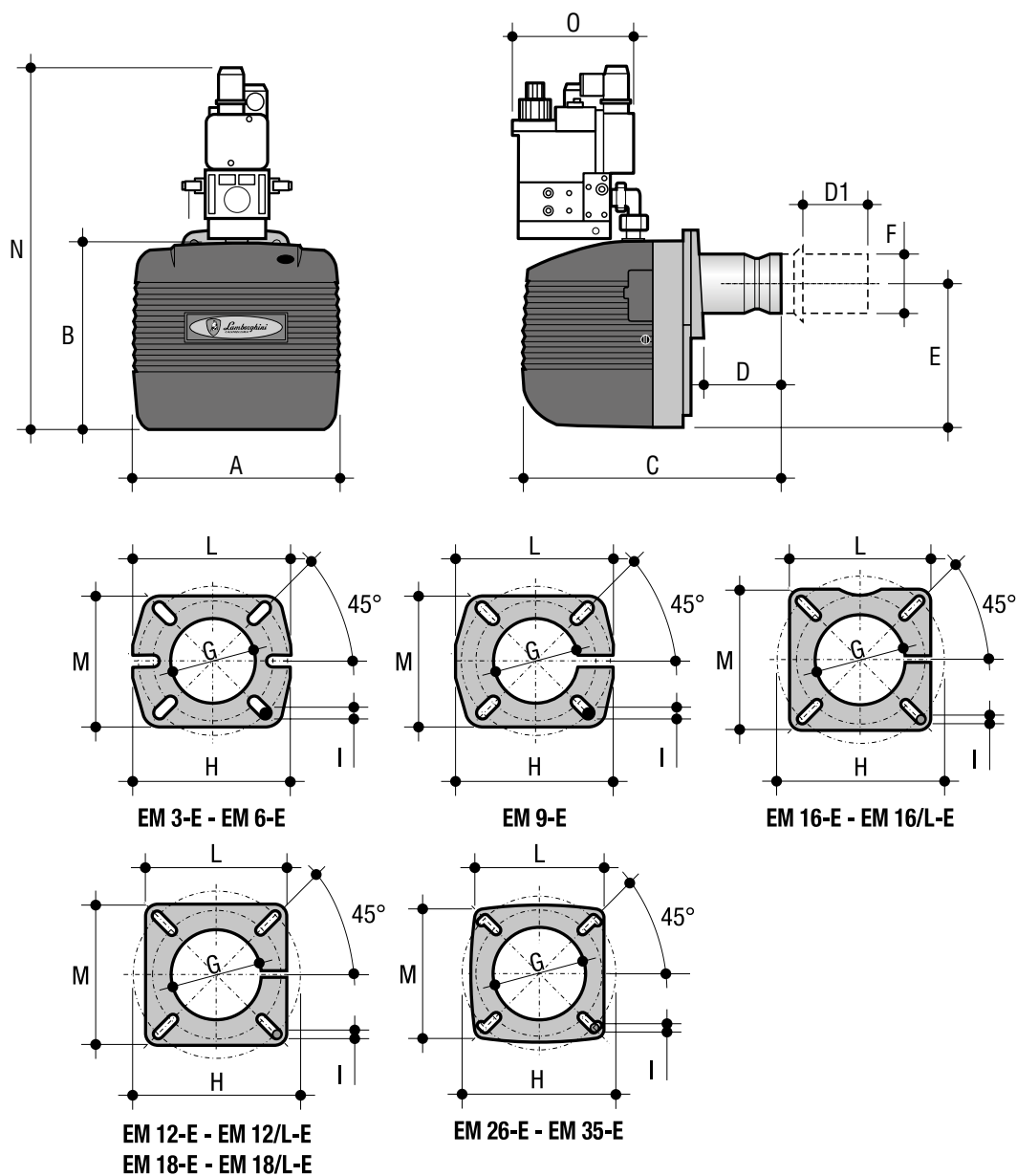
NB: products available on stock

NB: The burners of the Em-E series can only be sold and installed in conformity with EU regulation 813/2013 (Art. 1, Paragraph 2, Section G)

Model	Flow rate	Heat output	Motor	Mains connection	Valve size	Nat. gas min. press.	LPG min. press.	Max. press.	Weight (body+ gas train)	LPG Kit Accessory
	m3/h	kW	230V ~ 50Hz	Ø	Ø	mbar*	mbar*	mbar**	kg	code
EM 3-E.D1	1.19-3.79	11.9-37.7	100 W single	1/2"	1/2"	12.5	10.5	65	11 + 1.5	-
EM 3-E.D2	1.19-3.79	11.9-37.7	100 W single	1/2"	1/2"	12.5	-	200	11 + 1.5	-
EM 3-E.D3	1.19-3.79	11.9-37.7	100 W single	3/4"	1/2"	11	-	360	11 + 2.85	-
EM 6-E.D1	2.71-6.69	27-66.6	100 W single	1/2"	1/2"	24	14	65	12.5 + 1.5	-
EM 6-E.D2	2.71-6.69	27-66.6	100 W single	1/2"	1/2"	24	-	200	12.5 + 1.5	-
EM 6-E.D3	2.71-6.69	27-66.6	100 W single	3/4"	1/2"	16	-	360	12.5 + 2.85	-
EM 9-E.D2	4.32-9	43-89.5	100 W single	1/2"	1/2"	33	19	200	12.5 + 1.5	-
EM 9-E.D3	4.32-9	43-89.5	100 W single	3/4"	1/2"	18	-	360	12.5 + 2.85	-
EM 12-E.D6	5-12.07	49.8-120	100 W single	1"	1"	12	-	360	11 + 6.8	-
EM 12-E.D3	5-12.07	49.8-120	100 W single	1/2"	1/2"	22	11	360	11 + 4.2	-
EM 12/L-E.D6	5-12.07	49.8-120	100 W single	1"	1"	12	-	360	16 + 6.8	-
EM 12/L-E.D3	5-12.07	49.8-120	100 W single	1/2"	1/2"	22	11	360	16 + 4.2	-
EM 16-E.D3	8-16.1	80-160	110 W single	3/4"	1/2"	29	28	360	16 + 4.2	Z308025490
EM 16-E.D4	8-16.1	80-160	110 W single	3/4"	3/4"	18	-	360	16 + 3.2	-
EM 16/L-E.D4	8-16.1	80-160	110 W single	3/4"	3/4"	18	-	360	16 + 3.2	-
EM 18-E.D6	9.9-17	99-169	185 W single	1"	1"	11	-	360	15 + 8	-
EM 18-E.D3	9.9-17	99-169	185 W single	1/2"	1/2"	27	14	360	16 + 8	-
EM 18/L-E.D6	9.9-17	99-169	185 W single	1"	1"	11	-	360	23 + 8	-
EM 18/L-E.D3	9.9-17	99-169	185 W single	1/2"	1/2"	27	14	360	23 + 8	-
EM 26-E.D6	12.9-24.6	129-245	220 W single	1"	1"	20	-	360	30 + 6.3	-
EM 26-E.D3	12.9-24.6	129-245	220 W single	3/4"	1/2"	53	-	360	30 + 3.7	-
EM 26-E.D4	12.9-24.6	129-245	220 W single	3/4"	3/4"	-	28	360	30 + 3.7	Z308025380
EM 35-E.D7	18.9-32.1	188-320	370 W single	1 1/4"	1 1/4"	18	-	360	44 + 9.7	-
EM 35-E.D4	18.9-32.1	188-320	370 W single	3/4"	3/4"	46	26	360	44 + 9.7	-

* Minimum gas pressure to obtain maximum burner output with 0 mbar pressure in combustion chamber. - ** Maximum operating pressure of the gas valves.

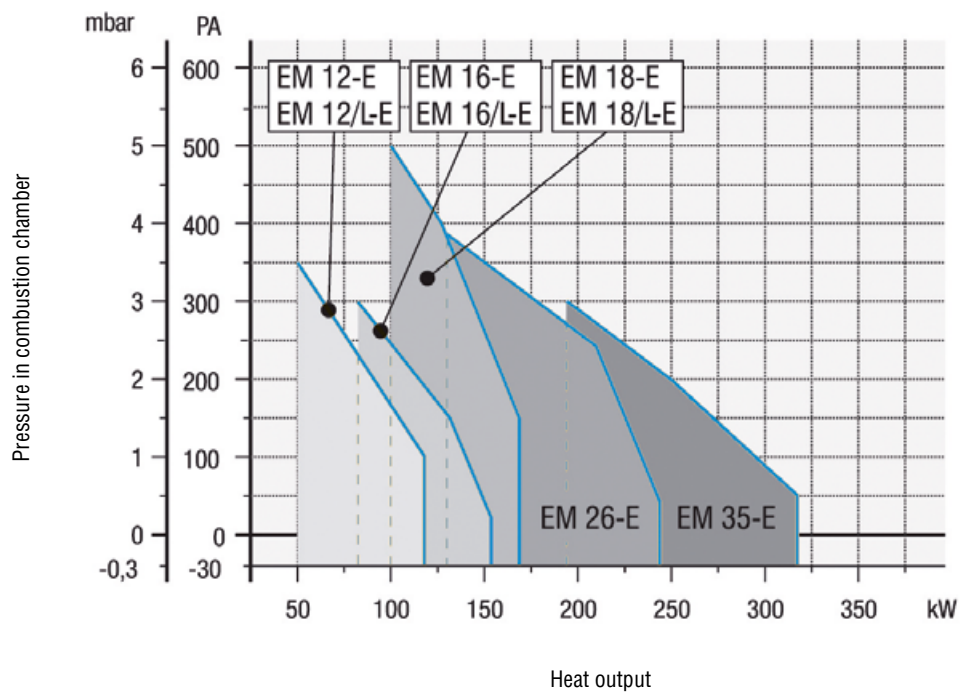
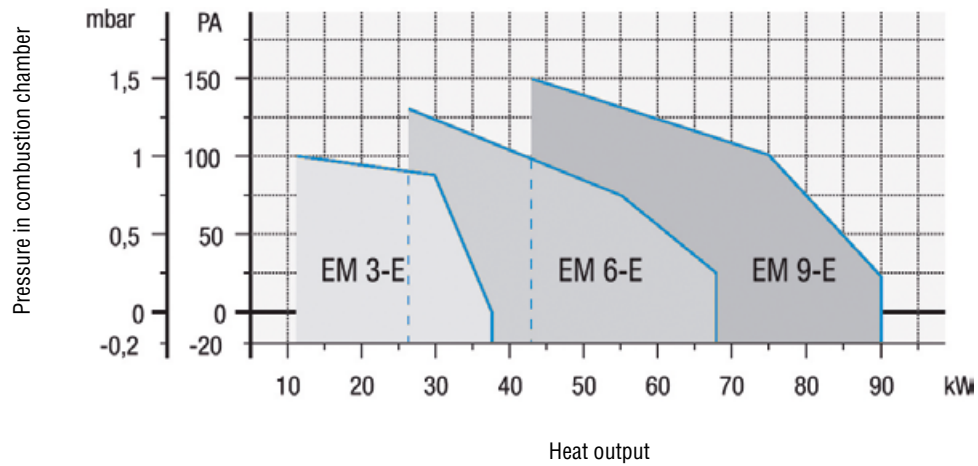
Technical data



Model	A mm	B mm	C mm	D mm	D1 mm	E mm	F Ø mm	N* mm	O* mm	G Ø mm	H Ø mm	I Ø mm	L Ø mm	M mm
EM 3-E	250	215	320	90	—	160	80	410	145	85	135-160	M8	170	144
EM 6-E	280	247	342	90	—	195	80	410	145	85	135-160	M8	170	144
EM 9-E	280	247	417	—	40-140	195	90	445	145	95	135-160	M8	180	154
EM 12-E	230	285	483	—	60-125	232	114	485	240	120	155-210	M8	180	180
EM 12/L-E	230	285	633	—	60-275	232	114	485	240	120	155-210	M8	180	180
EM 16-E	310	282	480	—	60-150	215	108	465	210	115	150-200	M8	166	166
EM 16/L-E	310	282	480	—	60-250	215	108	465	210	115	150-200	M8	166	166
EM 18-E	275	340	550	—	60-150	274	114	540	240	120	155-210	M8	180	180
EM 18/L-E	275	340	675	—	60-275	274	114	540	240	120	155-210	M8	180	180
EM 26-E	360	350	750	—	100-265	275	140	550	240	155	172-225	M10	205	205
EM 35-E	420	423	880	—	120-310	350	140	740	260	155	172-225	M10	205	205

* The dimensions refer to the burner with a 20 mbar train installed.

Working curves





Em/2-E



Em/M-E

Em/2-E, Em/M-E

2-stage burners (/2) and progressive 2-stage burners (/M)

- Operating with natural gas or LPG (for mod. Em 16 - Em 26 require conversion kit)
- Gas train with stabiliser, double valve and filter
- Adjustment of the external combustion head
- Electric servo control on the air damper
- Stabilised ventilation
- Soundproof hood
- Can be combined with various types of gas trains for maximum versatility
- Supplied in 2 packages (Burner + Gas train)

Accessories on demand

- Accessories assembly kit
- Conversion kit from natural gas to LPG (for mod. Em 16 and 26)
- Valve sealing control kit
- The "pressure or temperature modul kits" are only available for models /M (progressive two-stage) for the burners to be modulating
- For accessories dedicated to Em/2-E and Em/M-E burners, see accessories

EM/2-E

Burner code	Burner model
Z300860322	EM 9/2-E.D3
Z300860421	EM 16/2-E.D3
Z300860431	EM 16/2-E.D4
Z300874160	EM 16/2-L-E.D4
Z300860453	EM 18/2-E.D6
Z300860463	EM 18/2-E.D3
Z300860531	EM 26/2-E.D6
Z300860541	EM 26/2-E.D3
Z300860551	EM 26/2-E.D4
Z300870252	EM 40/2-E.D7
Z300870262	EM 40/2-E.D4

EM/M-E

Burner code	Burner model
Z300872210	EM 16/M-E.D4
Z300860571	EM 26/M-E.D7
Z300860581	EM 26/M-E.D4
Z300860591	EM 26/M-E.D5
Z300870292	EM 40/M-E.D7
Z300870302	EM 40/M-E.D4
Z300870312	EM 40/M-E.D5

NB: products available on stock

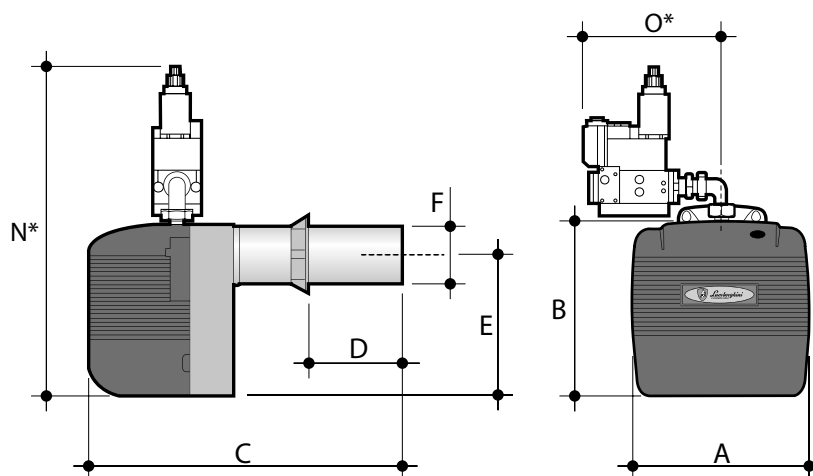
NB: The burners of the Em/2E and Em/M-E series can only be sold and installed in conformity with EU reg. 813/2013 (Art. 1, Paragraph 2, Section G)

Model	Flow rate	Heat output	Motor	Mains connection	Valve size	Nat. gas min press.	LPG min press.	Max. press	Weight (body+ gas train)	LPG Kit Accessory
	m³/h	kW	230V ~ 50Hz	Ø	Ø	mbar*	mbar*	mbar**	kg	code
EM 9/2-E.D3	4.3-9	43-89.5	100 W single	3/4"	1/2"	18	19	360	14 + 3.6	
EM 16/2-E.D3	5.5-15.3	55-153	150 W single	3/4"	1/2"	28	27	360	18 + 4.2	Z308025490
EM 16/2-E.D4	5.5-15.3	55-153	150 W single	3/4"	3/4"	19	-	360	18 + 4	-
EM 16/2-L-E.D4	5.5-15.3	55-153	150 W single	3/4"	3/4"	19	-	360	18 + 5	-
EM 18/2-E.D6	9.9-17	99-169	185 W single	1"	1"	12	-	360	25 + 8.7	-
EM 18/2-E.D3	9.9-17	99-169	185 W single	3/4"	1/2"	23	14	360	25 + 6.5	-
EM 26/2-E.D6	9-23.2	90-231	220 W single	1"	1"	18	-	360	31 + 7.7	-
EM 26/2-E.D3	9-23.2	90-231	220 W single	3/4"	1/2"	43	-	360	31 + 4.4	-
EM 26/2-E.D4	9-23.2	90-231	220 W single	3/4"	3/4"	-	31	360	31 + 4.5	Z308025380
EM 40/2-E.D7	11.5-39.2	115-390	370 W single	1 1/4"	1 1/4"	23	-	360	44 + 11.7	-
EM 40/2-E.D4	11.5-39.2	115-390	370 W single	3/4"	3/4"	62	32	360	44 + 10	-
EM 16/M-E.D4	5.5-15.3	55-153	150 W single	3/4"	3/4"	17	22	360	18 + 4.5	Z308025490
EM 26/M-E.D7	9-23.2	90-231	220 W single	1 1/4"	1 1/4"	15	-	360	30 + 7.2	-
EM 26/M-E.D4	9-23.2	90-231	220 W single	3/4"	3/4"	-	30	360	30 + 4.2	Z308025380
EM 26/M-E.D5	9-23.2	90-231	220 W single	3/4"	3/4"	25	-	360	30 + 4.2	-
EM 40/M-E.D7	11.5-39.2	115-390	370 W single	1 1/4"	1 1/4"	18	-	360	44 + 10	-
EM 40/M-E.D4	11.5-39.2	115-390	370 W single	3/4"	3/4"	-	25	360	44 + 10	-
EM 40/M-E.D5	11.5-39.2	115-390	370 W single	3/4"	3/4"	45	-	360	44 + 10	-

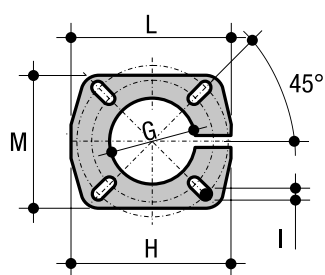
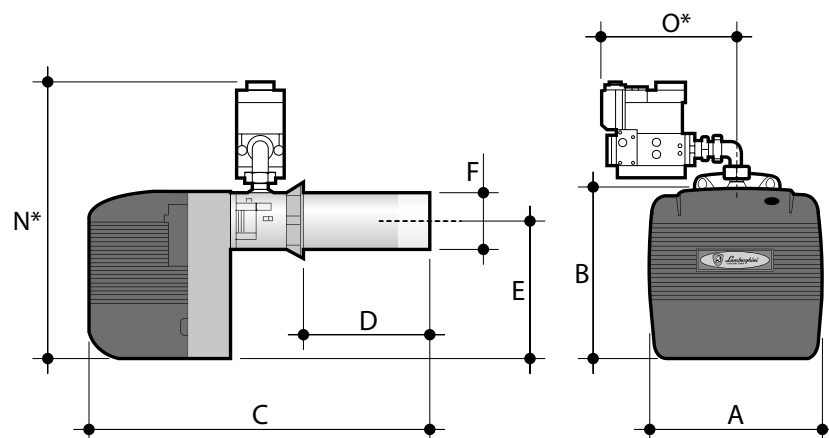
* Minimum gas pressure to obtain maximum burner output with 0 mbar pressure in combustion chamber. - ** Maximum operating pressure of the gas valves.

Technical data

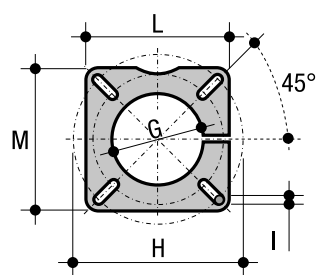
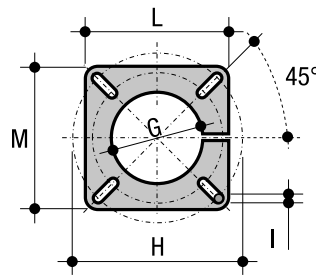
Em/2-E



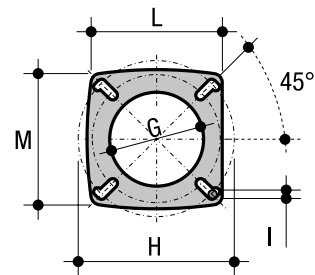
Em/M-E



EM 9/2-E

EM 16/2-E - EM 16/M-E
EM 16/2-L-E

EM 18/2-E

EM 26/2-E - EM 40/2-E
EM 26/M-E - EM 40/M-E

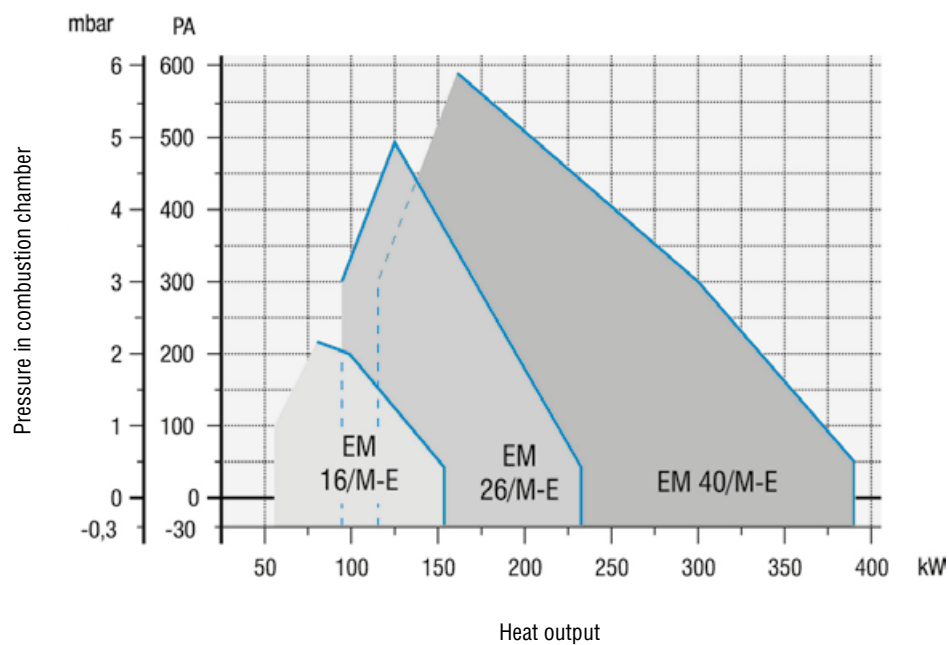
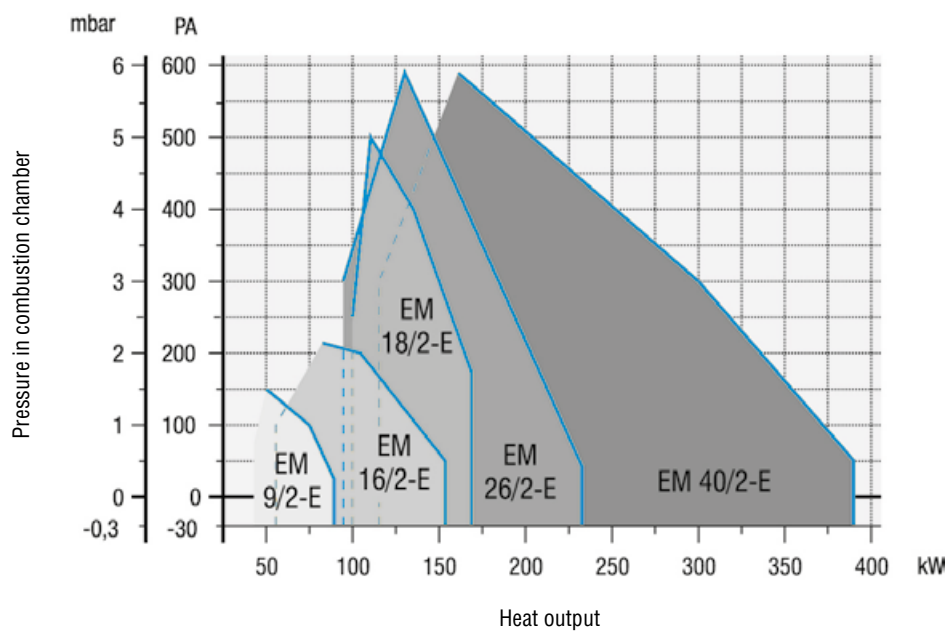
Model	A	B	C	D	E	F	N*	O*
	mm	mm	mm	mm	mm	Ø mm	mm	mm
EM 9/2-E	280	247	417	40-140	195	90	515	195
EM 16/2-E	310	282	480	60-150	215	108	535	210
EM 16/2-L-E	310	282	480	60-250	215	108	535	210
EM 18/2-E	275	340	675	60-275	274	114	640	240
EM 26/2-E	360	350	750	100-265	275	140	650	240
EM 40/2-E	420	423	880	120-310	350	140	835	260

EM 16/M-E	310	282	480	60-150	215	108	535	210
EM 26/M-E	360	350	750	100-265	275	140	650	240
EM 40/M-E	420	423	880	120-310	350	140	740	290

Model	G	H	I	L	M
	Ø mm	Ø mm	Ø mm	Ø mm	Ø mm
EM 9/2-E	95	140-180	M8	180	154
EM 16/2-E L-E and /M	115	150-200	M8	166	166
EM 18/2-E	120	155-210	M8	180	180
EM 26/2-E and /M	155	172-225	M10	205	205
EM 40/2-E and /M	155	172-225	M10	205	205

* The dimensions refer to the burner with a 20 mbar train installed.

Working curves





LMB G

Progressive two-stage burners

- Optional continuous modulation operation by applying the modul kit (on demand)
- They work with natural gas or LPG (* **)
- Adjustment of the combustion head.
- Electric servo control on the air damper.
- Stabilised ventilation.
- Standard valve sealing control in mod. 1300 and 2000.
- Supplied in two packages (Burner + Gas train).
- Equipped with a hinge for full inspection.

NB: The burners of the LMB G 300 series can only be sold and installed in conformity with EU regulation 813/2013 (Art. 1, Paragraph 2, Section G)

Accessories on demand

- Modul kit (temperature/pressure) for continuous modulation.
- Valve sealing control kit mod. 300,450,700,1000.
- For accessories dedicated to LMB G burners, see accessories.

Burner code	Natural gas and LPG burner model
Z300873780	LMB G 300 - K 1" (VCV-L 225)
Z300873770	LMB G 300 - K 1" (VCV-L 125)
Z300873810	LMB G 450 - K 1" (VCV-L 225)
Z300873800	LMB G 450 - K 1" (VCV-L 125)

Burner code	LPG only burner model **
Z300873830	LMB G 700 BC - K 1 1/2" (VCV 240) - LPG
Z300873840	LMB G 700 BL - K 1 1/2" (VCV 240) - LPG
Z300873080	LMB G 1000 BC - S 1 1/2" (VGD 20.403) - LPG
Z300873090	LMB G 1000 BL - S 1 1/2" (VGD 20.403) - LPG
Z300873100	LMB G 1300 - S 2" (VGD 20.503) - LPG
Z300873110	LMB G 2000 - S DN 65 (VGD 40.065) - LPG

** To subsequently convert the burner to natural gas, contact the Pre-Sales Service.

Burner code	Natural gas only burner model *
Z300873511	LMB G 700 BC - K 1 1/2" (VCV-L 240)
Z300873541	LMB G 700 BL - K 1 1/2" (VCV-L 240)
Z300872511	LMB G 1000 BC - K 2" (VCV-L 350)
Z300872591	LMB G 1000 BL - K 2" (VCV-L 350)
Z300872680	LMB G 1000 BC - S 1 1/2" (VGD 20.403)
Z300872690	LMB G 1000 BL - S 1 1/2" (VGD 20.403)
Z300872871	LMB G 1300 - K 2" (VCV-L 350)
Z300872880	LMB G 1300 - S 2" (VGD 20.503)
Z300872520	LMB G 1300 - S 1 1/2" (VGD 20.403)
Z300872890	LMB G 2000 - S 1 1/2" (VGD 20.403)
Z300872901	LMB G 2000 - K 2" (VCV-L 350)
Z300872910	LMB G 2000 - S 2" (VGD 20.503)
Z300872530	LMB G 2000 - S DN 65 (VGD 40.065)

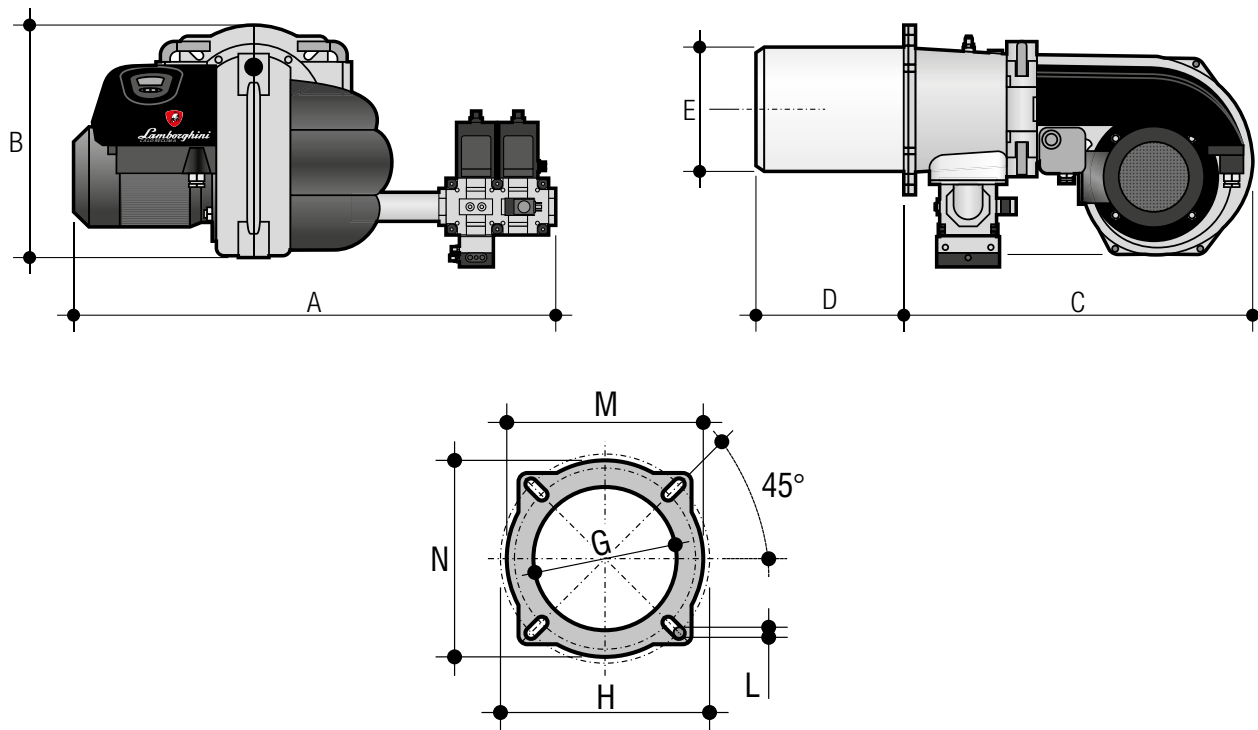
* The burner can subsequently be converted to LPG with the special conversion kit.

NB: products delivered within 3 weeks from the date of the order

Natural gas and LPG burner model	Flow rate	Heat output	Motor	Mains connection	Valve size	Nat. gas min. press.	LPG min. press.	Max. press.	Weight (body+train)	
	m ³ /h	kW	230V ~ 50Hz	Ø	Ø	mbar*	mbar*	mbar**	kg	
LMB G 300 (K 1"-225)	11.6-33.9	110-320	370 W single	1"	1 1/2"	20	19	500	18+14	-
LMB G 300 (K 1"-125)	11.6-33.9	110-320	370 W single	1"	1"	24	21	500	18+12	-
LMB G 450 (K 1"-225)	14.8-48.7	140-460	370 W single	1"	1 1/2"	20	16	500	18+14	-
LMB G 450 (K 1"-125)	14.8-48.7	140-460	370 W single	1"	1"	21	20	500	18+14	-
Natural gas only burner model										LPG Kit Accessory
LMB G 700 BC - K 1 1/2"	14.0-79.0	135-748	740 W three	1 1/2"	1 1/2"	25	-	500	30+14	Z308028720
LMB G 700 BL - K 1 1/2"	14.0-79.0	135-748	740 W three	1 1/2"	1 1/2"	25	-	500	30+14	Z308028730
LMB G 1000 BC - K 2"	16.0-103.0	152-979	1,100 W three	2"	2"	20	-	500	31+17	Z308028360
LMB G 1000 BL - K 2"	16.0-103.0	152-979	1,100 W three	2"	2"	20	-	500	31+17	Z308028370
LMB G 1000 BC - S 1 1/2"	16.0-103.0	152-979	1,100 W three	1 1/2"	1 1/2"	18	-	600	31+14	Z308028360
LMB G 1000 BL - S 1 1/2"	16.0-103.0	152-979	1,100 W three	1 1/2"	1 1/2"	18	-	600	31+14	Z308028370
LMB G 1300 - K 2"	25.0-136.5	237-1,296	2,200 W three	2"	2"	22	-	500	45+17	Z308028380
LMB G 1300 - S 2"	25.0-136.5	237-1,296	2,200 W three	2"	2"	14	-	600	45+15	Z308028380
LMB G 1300 - S 1 1/2"	25.0-136.5	237-1,296	2,200 W three	1 1/2"	1 1/2"	19	-	600	45+14	Z308028380
LMB G 2000 - S 1 1/2"	36.5-202	336-1,918	3,000 W three	1 1/2"	1 1/2"	40	-	600	48+14	Z308028390
LMB G 2000 - K 2"	36.5-202	336-1,918	3,000 W three	2"	2"	45	-	500	48+18	Z308028390
LMB G 2000 - S 2"	36.5-202	336-1,918	3,000 W three	2"	2"	30	-	600	48+15	Z308028390
LMB G 2000 - S DN 65	36.5-202	336-1,918	3,000 W three	DN 65	DN 65	18	-	700	48+20	Z308028390
LPG only burner model										
LMB G 700 BC - K 1 1/2"	14.0-79.0	135-748	740 W three	1 1/2"	1 1/2"	-	4	-	30+14	-
LMB G 700 BL - K 1 1/2"	14.0-79.0	135-748	740 W three	1 1/2"	1 1/2"	-	4	-	30+14	-
LMB G 1000 BC - S 1 1/2"	16.0-103.0	152-979	1,100 W three	1 1/2"	1 1/2"	-	30	-	31+14	-
LMB G 1000 BL - S 1 1/2"	16.0-103.0	152-979	1,100 W three	1 1/2"	1 1/2"	-	30	-	31+14	-
LMB G 1300 - S 2"	25.0-136.5	237-1,296	2,200 W three	1 1/2"	2"	-	30	-	45+15	-
LMB G 2000 - S DN 65	36.5-202	336-1,918	3,000 W three	DN 65	DN 65	-	28	-	48+20	-

* Min. gas pressure to obtain maximum burner output with 0 mbar pressure in combustion chamber. ** Max. operating pressure of the gas valves. *** Max. thermal output with VCV-L 125, 580 kW.

Technical data



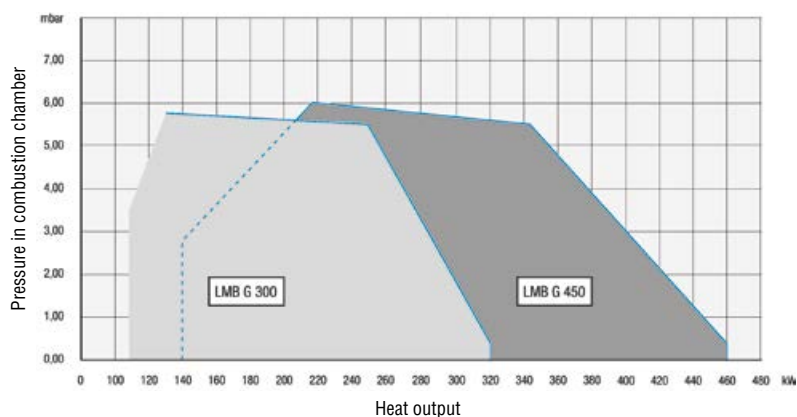
Model	A* mm	B mm	C mm	D mm	E Ø mm	G Ø mm	H Ø mm	L mm	M mm	N mm
LMB G 300	805	340	370	230	124	135	194-234	M12	216	216
LMB G 450	805	340	370	230	138	150	194-234	M12	216	216
LMB G 700 BC	950	370	540	235	166	180	246-286	M12	268	268
LMB G 700 BL	950	370	540	325	166	180	246-286	M12	268	268
LMB G 1000 BC	850	370	540	230	196	205	246-286	M12	268	268
LMB G 1000 BL	850	370	540	350	196	205	246-286	M12	268	268
LMB G 1300	1,070	440	620	340	232	255	294-334	M12	316	316
LMB G 2000	1,070	440	620	340	244	255	294-334	M12	316	316

* The dimensions refer to the burner with the larger sized train installed.

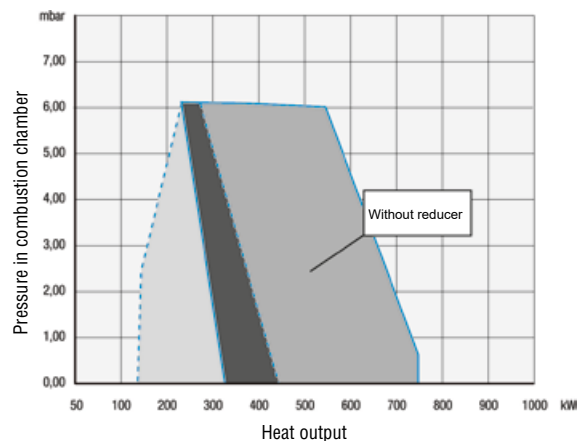
Working curves

The working curves was obtained at an ambient temperature of 15°C, at an atmospheric pressure of 1013.5 mbar (at 0 metres above sea level).

LMB G 300 and 450

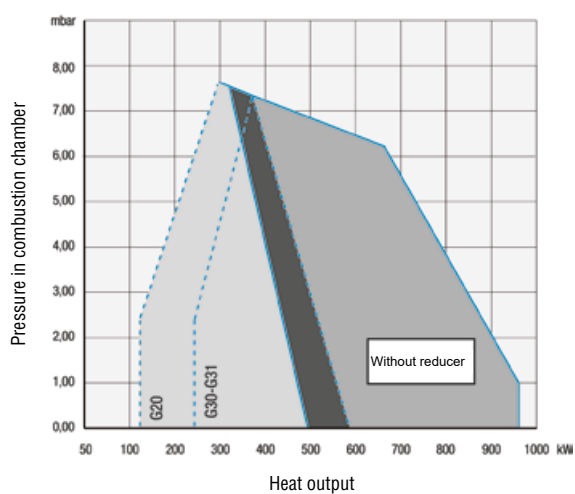


LMB G 700

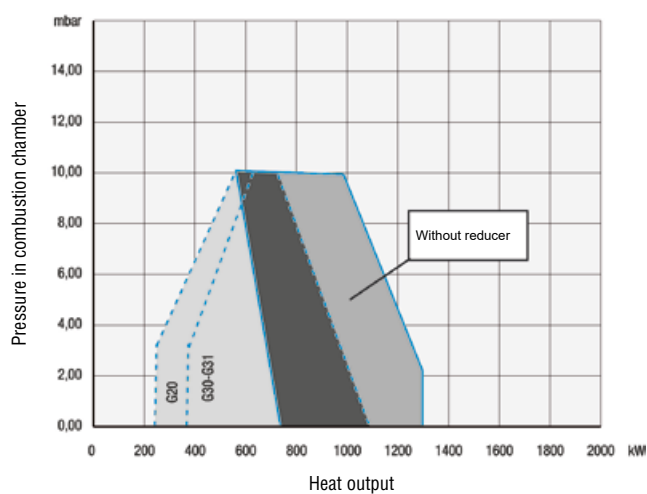


The shaded working curves can be obtained with the reducer diaphragm inserted and the right damper blocked

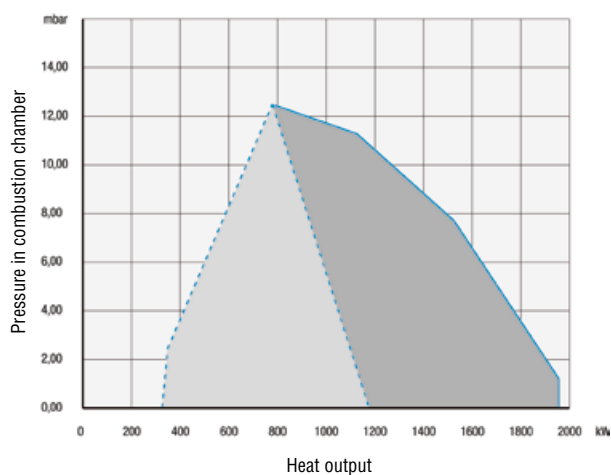
LMB G 1000



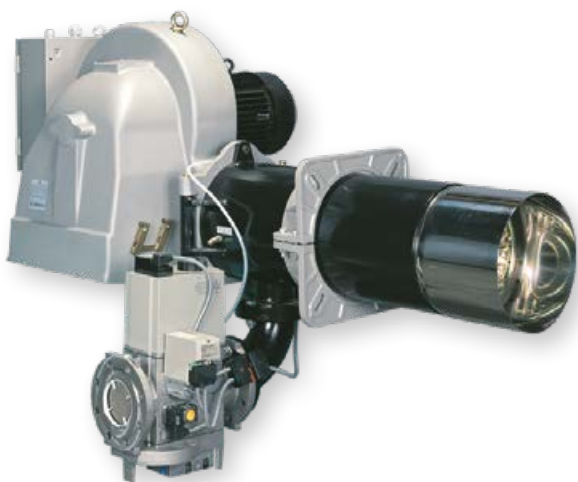
LMB G 1300



LMB G 2000



For the NATURAL GAS version: the shaded working curves can be obtained with the reducer diaphragm inserted and the right damper blocked. The LPG version does not require the reducer.



PM M-E

Progressive two-stage burners

- They work with natural gas or LPG
- External adjustment of the combustion head
- Electric servo control on the air damper
- Stabilised ventilation
- Standard valve sealing control
- Supplied in 2 packages (Burner + Gas ramp)
- Equipped with a hinge for full inspection
- Optional continuous modulation operation by applying the modul kit (on request)

Accessories on demand

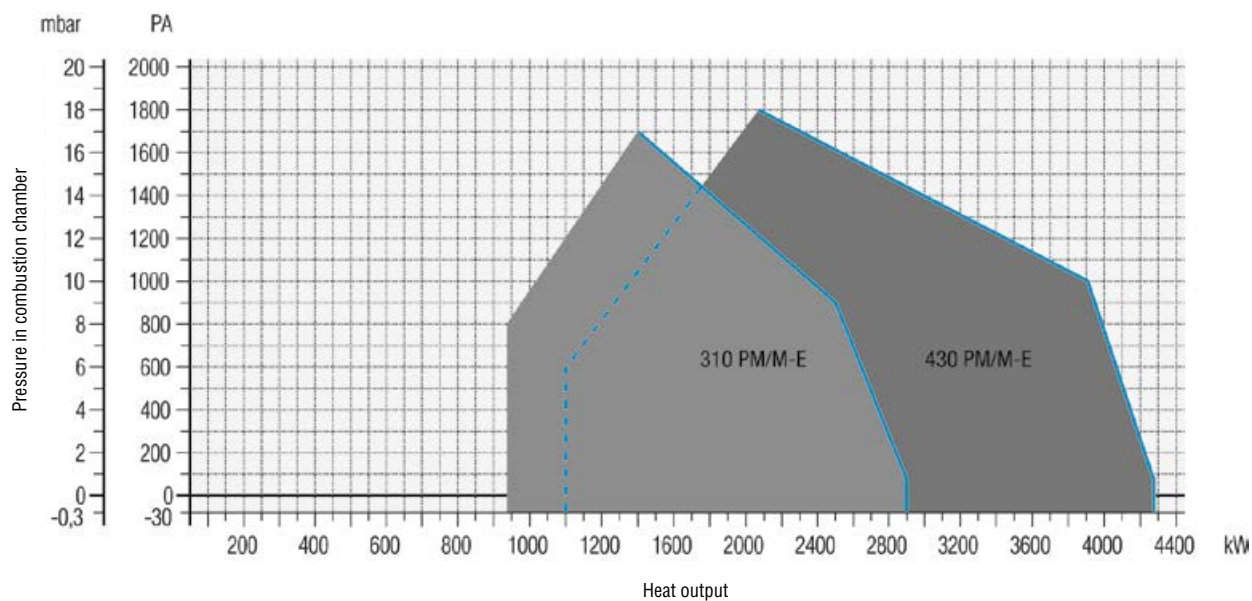
- Accessories assembly kit
- Modul kit (temperature/pressure) for continuous modulation
- For accessories dedicated to Pm/M-E burners, see accessories

Burner code	Burner model
Z300870472	310 PM/M-E.F10
Z300874210	310 PM/M-E.F9 **
Z300870482	310 PM/M-E.F8
Z300870491	310 PM/M-E.F8 (LPG)
Z300870502	430 PM/M-E.F10
Z300874220	430 PM/M-E.F9 *
Z300870512	430 PM/M-E.F8
Z300872171	430 PM/M-E.F8 (LPG)

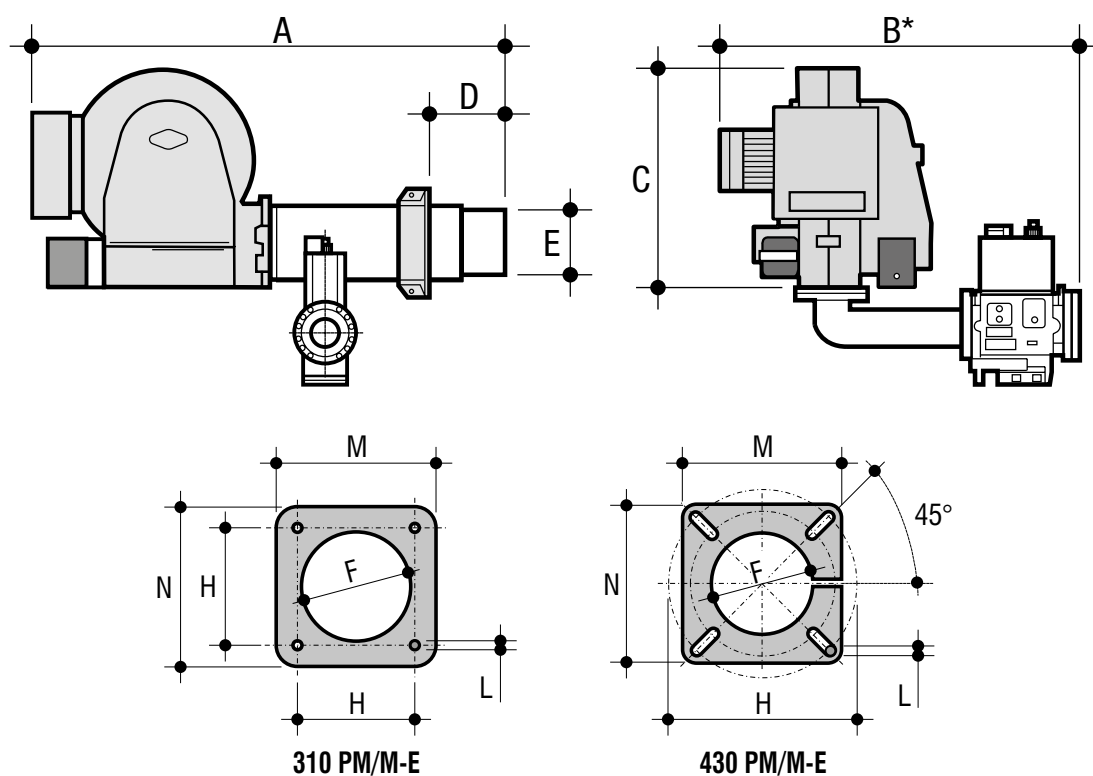
Model	Flow rate	Heat output	Motor	Mains connection	Valve size	Nat. gas min. press.	LPG min. press.	Max. press	Weight (body+gas ramp)
	m³/h	kW	400V ~ 50Hz	Ø	Ø	mbar*	mbar*	mbar**	kg
310 PM/M-E.F10	94÷290	940÷2,900	5,500 W three	DN100	DN100	26	-	360	173 + 25
310 PM/M-E.F9 **	94÷290	940÷2,900	5,500 W three	DN80	DN80	20		360	173 + 22
310 PM/M-E.F8	94÷290	940÷2,900	5,500 W three	DN65	DN65	35	-	360	173 + 19
310 PM/M-E.F8 (LPG)	94÷290	940÷2,900	5,500 W three	DN65	DN65	-	26	360	173 + 19
430 PM/M-E.F10	110÷430	1,100÷4,275	9,200 W three	DN100	DN100	27	-	360	238 + 25
430 PM/M-E.F9 *	110÷430	1,100÷4,275	9,200 W three	DN80	DN80	31		360	238 + 22
430 PM/M-E.F8	110÷430	1,100÷4,275	9,200 W three	DN65	DN65	70	-	360	238 + 19
430 PM/M-E.F8 (LPG)	110÷430	1,100÷4,275	9,200 W three	DN65	DN65	-	29	360	238 + 19

* Minimum gas pressure to obtain maximum burner output with 0 mbar pressure in the combustion chamber. - ** Maximum operating pressure of the gas valves.

Working curves



Technical data



Model	A	B*	C	D	E	F	H	L	M	N
	mm	mm	mm	mm	Ø mm	Ø mm	mm	mm	mm	mm
310 PM/M-E	1,71	855	700	250÷550	256	270	235	M16	320	320
430 PM/M-E	1,76	855	700	250÷600	303	320	380÷440	M16	400	400

* The dimensions refer to the burner with the larger sized ramp installed.

Pellet burners



ECO PN

da 34.1 ÷ 55.0 kW



Pellet burners

- Ultra compact pellet burner
- Interface display
- Safety flame protection
- Warm-up
- Auto-configuration boiler
- Hi temperature protection
- Anti-legionella
- Comfort
- Anti-freez



ECO PN

Pellet burner

- Ultra compact pellet burner, supplied with the automatic loading system, complete with motor and feeding screw
- The electronic control system is comprised of two main components: The PCB integrated for ignition and control of the burner and the central heating management, central heating pump, DHW tank pump, 3 way valve for DHW tank, DHW temperature probe, room thermostat or remote control (OpenTherm entry), start remote contact 230 V
- Intelligent microprocessor with autoconfiguration function
- The interface display with a large LCD and four keys for the regulation. The control panel is over the coverage for an easier access for the customers and the service technician
- It's possible to set up the burner running operation in three modes: on-off or two different flame modulation (5 steps of heat power)
- Safety flame protection thermostat (85°C) on board
- The burner has many function for the protection or the comfort:
 - WARM-UP Put the boiler in a range of temperatures from 0°C to 5°C for the normaly configuration and from 50°C to 55°C for the instantaneous DHW configuration boiler.
 - AUTO-CONFIGURATION BOILER The boiler can feel the connection of a DHW sensor and automatically changes its configuration from 'only heating' to 'combi boiler'
 - HI TEMPERATURE PROTECTION
 - ANTI-LEGIONELLA
 - COMFORT Maintain the exchanger of the boiler in a range of temperatures from 55°C to 75°C. This function is normally used in instantaneous DHW configuration
 - ANTI-FREEZE If the heating sensor (of the boiler) goes below 5°C the burner starts
- Two different boxes of pellet storage are available as optional. The small size type of 180 kg and the biggest of 280 kg

Boiler/burner coupling

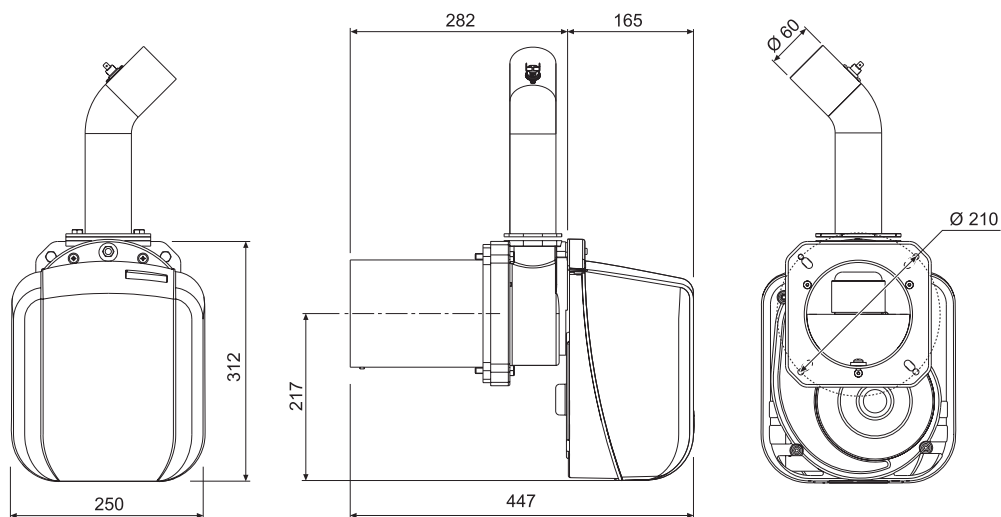
BOILER		BURNER	
MODEL	CODE	MODEL	CODE
ECO LOGIK 3	0ICJ3TWD	ECO 3.4 PN	0U2F6DXD
ECO LOGIK 4	0ICJ4TWD		
ECO LOGIK 5	0ICJ5TWD		
ECO LOGIK 6	0ICJ6TWD	ECO 5.5 PN	0U2F8DXD
ECO LOGIK 7	0ICJ7TWD		

Model	Heat capacity Max - Min	Fuel delivery Max - Min	Electrical protection rating	Power voltage/frequency	Electrical power input	Igniter electric power
	kW	kg/h	IP	V/Hz	W	W
3.4 PN	34.1 - 13.7	7.2 - 2.9	X0D	230/50	100	300
5.5 PN	55.0 - 30.0	11.6 - 6.3	X0D	230/50	100	300

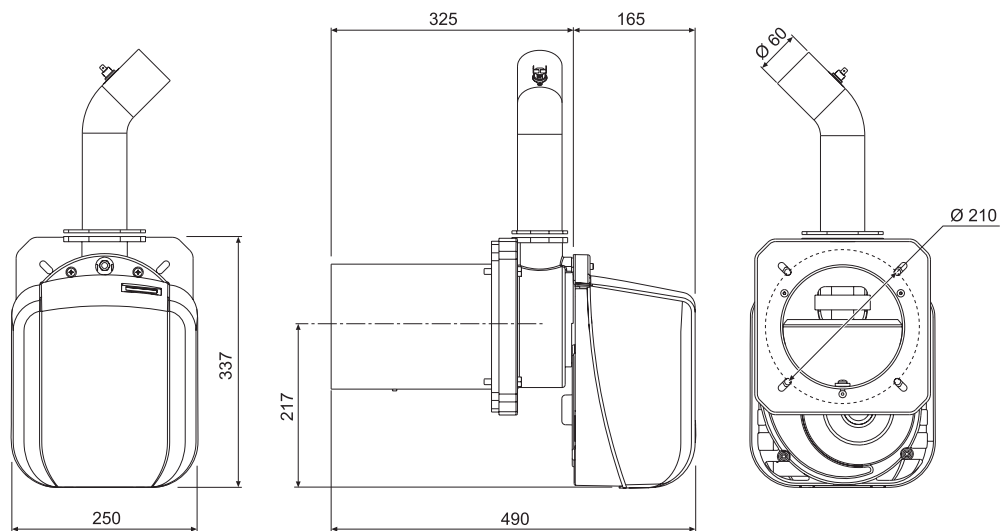
Model	Empty weight	Hopper capacity	Hopper content	Max pellet dimension		Combustion chamber negative pressure
	kg	litres	kg	Ø mm	length mm	mbar
3.4 PN	11	195	140	6	35	-0,2
5.5 PN	13.5	323	226	6	35	-0,2

Technical data

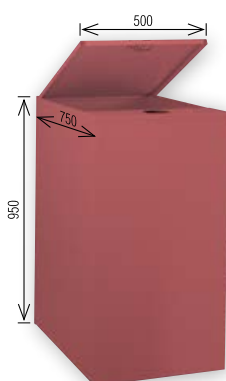
ECO 3.4 PN



ECO 5.5 PN

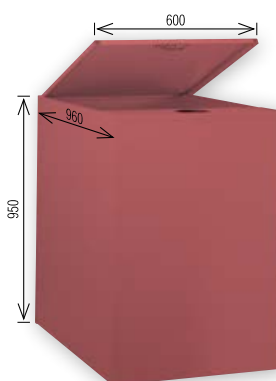


Accessories



096002X0

Pellet storage box
(195 dm³ - about 180 kg)



096004X0

Pellet storage box
(350 dm³ - about 280 kg)

NB: the code includes: burner, motor, feeding screw and connection pipe.

Gas burner accessories



Sealing control kit

Internal sealing control of the gas valve. Electrical connection cable.

Code	Description	Burners
Z308017010	C.T. sealing control kit	All gas burners EM, EM LN*

* Excluding models EM 3-E (D1-D2), EM 6-E (D1-D2) and LMB G



Sealing control pressure switch kit

Pressure switch to control the gas pressure relative to the gas valve sealing control. Electrical connection cable.

Code	Description	Burners
Z308027270	Valve sealing control pressure switch kit	All LMB G with type "K" train
Z308027300	Valve sealing control pressure switch kit	All LMB G with type "S" train



Accessories assembly kit

Anti-vibration joint in stainless steel and ball shut-off valve. Connecting fitting.

Code	Description	Burners
Z308004890	Accessories assembly kit for burners - Ø 3/4" with reduction also for 1/2" connections	EM 3-E (D1-D2-D3) - EM 4 LN EM 6-E (D1-D2-D3) - EM 7 LN - EM 9-E (D2-D3) - EM 9/2-E (D3) EM 12-E (D3) - EM 12/L-E (D3) - EM 13 LN - EM 13LN AB20 - EM 18-E (D3) - EM 18/L-E (D3) - EM 18/2-E (D3) - EM 21 LN 20 - EM 35-E (D4) EM 40/2-E (D4) - EM 40/M-E (D5)
Z308004900	Accessories assembly kit for burners - Ø 1"	EM 12/-E (D6) - EM 12/L-E (D6) - EM 16-E (D3-D4) EM 16/2-E (D3-D4) - EM 16/M-E (D4) - EM 18-E (D6) EM 18/L-E (D6) - EM 18/2-E (D6) - EM 21 LN25 EM 21 LN/PR - EM 26-E (D3-D4-D6) - EM 26/2-E (D3-D4-D6) - EM 30 LN PR25 - EM 35 LN PR25 - EM 42 LN PR25 EM 26/M-E (D4-D5-D7) - LMB G 300 - LMB G 450 LMB G 700 K 1"
Z308004910	Accessories assembly kit for burners - Ø 1 1/2" - with reduction also for 1-1/4" connections	EM 35-E (D7) - EM 35.1 LN/PR - EM 40/2-E (D7) EM 40/M-E (D4-D7) - EM 30LN PR 32-40 - EM 35 LN PR 32-40 -EM 42 LN PR 32-40 - EM 49 LN PR32-40 EM 42 LN/PR - EM 49 LN/PR LMB G 700 K 1 1/2" - LMB G 1000 S 1 1/2" LMB G 1300 S 1 1/2" - LMB G 2000 S 1 1/2"
Z308004930	Accessories assembly kit for burners - Ø 2"	LMB G 1000 K 2" - LMB G 1300 K 2" - LMB G 1300 S 2" LMB G 2000 K 2" - LMB G 2000 S 2" EM 42LN PR50 - EM 49 LN PR50

Gas burner accessories



Accessories with filter assembly kit

Filter with pressure outlet. Anti-vibration joint in stainless steel and ball shut-off valve. Joint in 3 pieces.

Code	Description	Burners
Z308004920	Accessories with filter assembly kit for burners - DN 65	LMB G 2000 S DN 65



Code	Description	Burners
Z308025490	Natural gas to LPG kit	EM 16-E - EM 16/2-E - EM 16/M-E



Code	Description	Burners
Z308025380	Natural gas to LPG kit	EM 26-E - EM 26/2-E - EM 26/M-E

Code	Description	Burners
Z308028720	Natural gas to LPG kit	LMB G 700 BC
Z308028730	Natural gas to LPG kit	LMB G 700 BL
Z308028360	Natural gas to LPG kit	LMB G 1000 BC
Z308028370	Natural gas to LPG kit	LMB G 1000 BL
Z308028380	Natural gas to LPG kit	LMB G 1300
Z308028390	Natural gas to LPG kit	LMB G 2000

Electronic modulation accessories for all progressive two-stage burners



Temperature modul kit

Temperature probe and RWF regulation unit

Code	Description	Burners
Z308013161	0-130°C temperature modul kit *	All progressive 2-stage burners
Z308013171	150-450°C temperature modul kit **	All progressive 2-stage burners

* Recommended for conventional boilers. - ** Recommended for diathermic light oil and superheated water boilers.

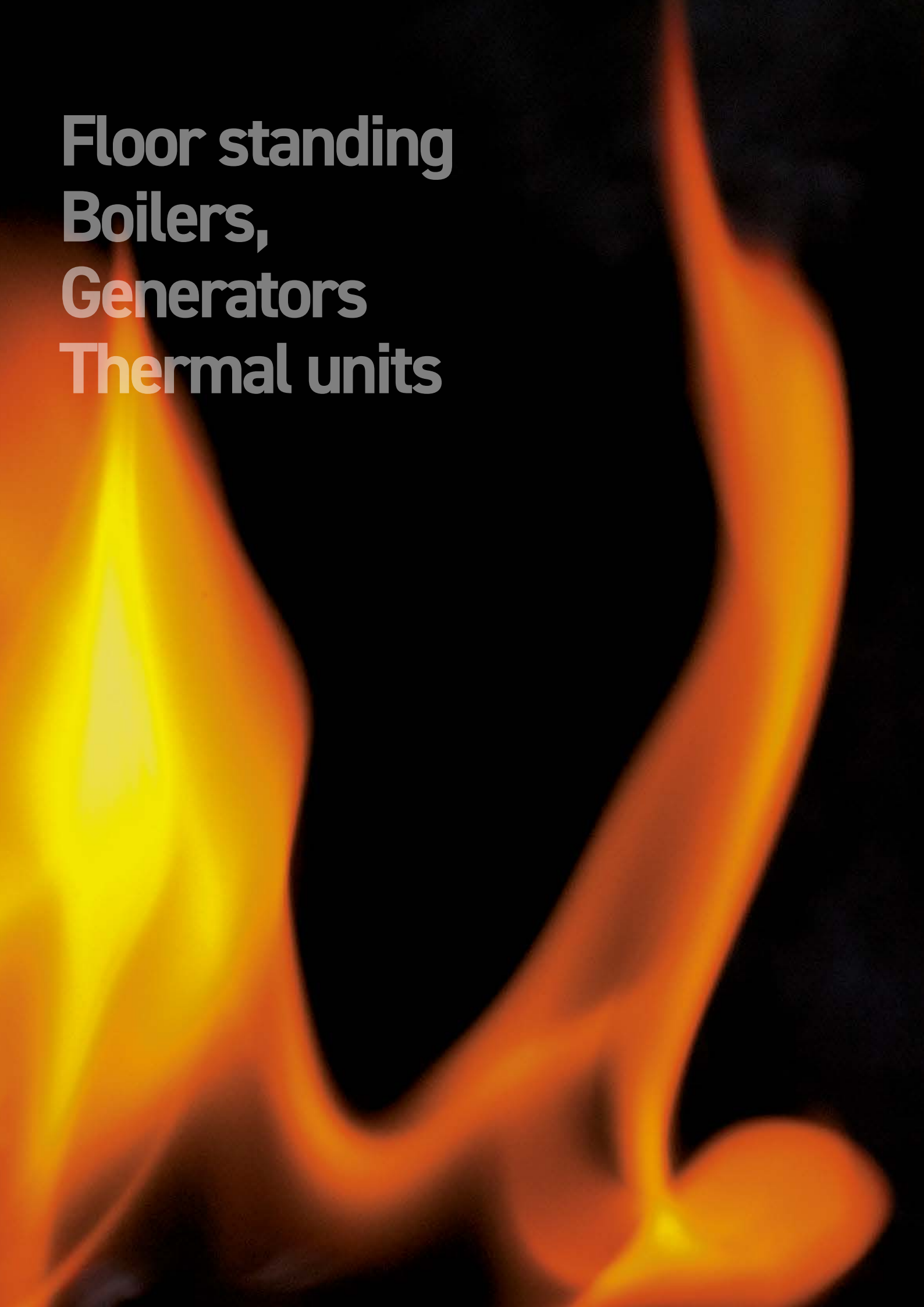


Pressure modul kit

Pressure probe and RWF regulation unit

Code	Description	Burners
Z308013131	0-4 bar pressure modul kit	All progressive 2-stage burners
Z308013141	0-10 bar pressure modul kit	All progressive 2-stage burners
Z308013151	0-25 bar pressure modul kit	All progressive 2-stage burners

Recommended for steam boilers



Floor standing Boilers, Generators Thermal units



Floor standing Boilers, Generators Thermal units

- Premixed gas condensing boilers
- Premixed gas condensing thermal modules
- Steel high-efficiency boilers
- Cast-iron high-efficiency boilers
- Steel thermal units
- Combinations

EL DB N

3 Pass-flues boiler, for oil or gas jet burner, heating only



- High efficiency cast iron boiler body, featuring 3 pass technology, insulated with high density rockwool
- Silent operation thanks to low flues turbulence
- Widely copes with requirements for 2 stars efficiency according to directive 92/42 EEC, emended by Reg. 812/2013
- Conic chimney stack, in order to easily adapt to different tolerances of flue pipes diameters
- Analogue control panel with elegant fume cover
- Control board includes thermometer, ignition switch, safety thermostat with manual reset and temperature setting knob
- Stylish steel jacket painted by anaphoresis with epoxy powder
- Available complete range of one and 2 stages burners to be easily fitted, both for gas or liquid fuel

Boiler code	Boiler model
0IHJ3DWD	32
0IHJ4DWD	47
0IHJ5DWD	62
0IHJ6DWD	78
0IHJ7DWD	95

Technical data

MODEL		32	47	62	78	95
Max heat Input	kW	34.9	51.6	67.7	85.6	103.2
Max heat output	kW	32.0	47.0	62.0	78.0	95.0
Pmax efficiency (80/60°C)	%	91.7	91.1	91.5	91.1	92.0
Efficiency 30% load	%	94.3	93.5	94.0	93.5	93.8
Flue gas side pressure drop	mbar	0.2	0.27	0.4	0.4	0.63
Max operating pressure	bar	6	6	6	6	6
Heating water content	litres	18	23	28	33	38
Elements	No.	3	4	5	6	7
Dimensions (WxHxD)	mm	500x850x400	500x850x500	500x850x600	500x850x700	500x850x800
Empty weight	kg	127	166	205	244	283

EL DB EVO N

3 Pass-flues boiler, for oil or gas jet burner, heating only



- High efficiency cast iron boiler body, featuring 3 pass technology, insulated with high density rockwool
- Silent operation thanks to low flues turbulence
- Widely copes with requirements for 2 stars efficiency according to directive 92/42 EEC, emended by Reg. 812/2013
- Conic chimney stack, in order to easily adapt to different tolerances of flue pipes diameters
- Wide backlit LCD interface with button control
- Control board includes thermometer, ignition switch, safety thermostat with manual reset and temperature setting knob
- Stylish steel jacket painted by anaphoresis with epoxy powder
- Available complete range of one and 2 stages burners to be easily fitted, both for gas or liquid fuel

Boiler code	Boiler model
0IHJ3KYD	EVO 32
0IHJ4KYD	EVO 47
0IHJ5KYD	EVO 62
0IHJ6KYD	EVO 78
0IHJ7KYD	EVO 95

0IHJ3KYD	EVO 32
0IHJ4KYD	EVO 47
0IHJ5KYD	EVO 62
0IHJ6KYD	EVO 78
0IHJ7KYD	EVO 95

Technical data

MODEL		EVO 32	EVO 47	EVO 62	EVO 78	EVO 95
Max heat Input	kW	34.9	51.6	67.7	85.6	103.2
Max heat output	kW	32.0	47.0	62.0	78.0	95.0
Pmax efficiency (80/60°C)	%	91.7	91.1	91.5	91.1	92.0
Efficiency 30% load	%	94.3	93.5	94.0	93.5	93.8
Flue gas side pressure drop	mbar	0.2	0.27	0.4	0.4	0.63
Max operating pressure	bar	6	6	6	6	6
Heating water content	litres	18	23	28	33	38
Elements	No.	3	4	5	6	7
Dimensions (WxHxD)	mm	500x850x400	500x850x500	500x850x600	500x850x700	500x850x800
Empty weight	kg	127	166	205	244	283



EL DB D N

Cast iron floor standing boilers, for oil

Heating appliance set up to operate with jet burners for the following uses:

- 1) in combination with oil burners (as indicated in the table below) with electrical absorption ≤ 180 W for models 25-37 and ≤ 200 W for models 50-63-75
 - 2) until January 1, 2018, for the replacement according to that set forth by letter G, section 2, article 1 of the EU regulation 813/2013
- Cast iron body, with preassembled elements with steel double cones and tie rods, of the three flue gas pass type with completely wet combustion chamber
 - The standard electronics can manage the heating system circulator, the remote control timer or room thermostat, the outdoor probe for flow temperature compensation, the circulator (3-way valve) and storage unit probe for DHW production with external storage tank
 - Key controls and LCD display interface

Boiler code	Boiler model
0IHJ3PWD	EL DB D N 25 - E
0IHJ4PWD	EL DB D N 37 - E
0IHJ5PWD	EL DB D N 50 - E
0IHJ6PWD	EL DB D N 63 - E
0IHJ7PWD	EL DB D N 75 - E

Coupling table

GENERATOR	OIL BURNER	
MODEL	MODEL	CODE
EL DB D N 25 - E	ECO 3	00840005
EL DB D N 37 - E	ECO 5N	00841221
EL DB D N 50 - E	ECO 8	00870013
EL DB D N 63 - E	ECO 8	00870013
EL DB D N 75 - E	ECO 8	00870013

Technical data

MODEL		25	37	50	63	75
ERP Class*		B	B	B	B	-
Heat Input	kW	28.3	41.9	56.6	71.3	84.6
Max heat output	kW	25.0	37.0	50.0	63.0	75.0
Pmax efficiency (80/60°C)	%	88.2	88.3	88.4	88.4	88.7
Efficiency 30% load	%	92.2	91.7	91.4	91.0	90.5
Flue gas side pressure drop	mbar	0.1	0.4	0.4	0.5	0.6
Min/Max operating pressure	bar	0.8 / 6	0.8 / 6	0.8 / 6	0.8 / 6	0.8 / 6
Elements	No.	3	4	5	6	7
Empty weight	kg	127	166	205	244	283

* The ErP class is certified if: 1) The boilers are coupled to oil burners according to the table on the previous page 2) The boilers are coupled to oil burners with electrical absorption < at 170 W for models EL DB D N 25 - 37 and < 200 W for models EL DB D N 50 - 63 - 75



BIG F

Cast-iron boiler, suitable for installation of an oil or gas jet burner

- High efficiency floor-standing heat generator fitted for jet burners on liquid and/or gas fuel, with partial flame reversal and one flue pass, cooled combustion chamber, for the production of hot water for central heating
- G20 cast-iron boiler body made from pre-assembled elements (6÷14) with steel cone inserts and boiler studs, insulated by a layer of rock wool lined by special tear-proof material.
- Control board includes: temperature and pressure gauge, overheat cut-off thermostat, switch on/off test, presetting led for the burner lockout, 2 stages regulation thermostat, lodging for an electronic controller
- Supplied in three boxes:
 - 1) boiler body in a wooden crate
 - 2) jacket packaged in a cardboard box
 - 3) instrument panel packaged in a cardboard box
- Fitted for two-stage burners



Boiler code	Boiler model
017J6BXD	F 107
017J7BXD	F 126
017J8BXD	F 144
017J9BXD	F 162
017JABXD	F 180
017JBBXD	F 198
017JCBXD	F 216
017JDBXD	F 234
017JEBXD	F 252

Boiler code	Boiler model
017J6BXD	F 107
017J7BXD	F 126
017J8BXD	F 144
017J9BXD	F 162
017JABXD	F 180
017JBBXD	F 198
017JCBXD	F 216
017JDBXD	F 234
017JEBXD	F 252

Technical data

MODEL		F 107	F 126	F 144	F 162	F 180	F 198	F 216	F 234	F 252
ERP Class*										
Max heat Input	kW	116.0	136.9	156.5	176.0	195.6	215.2	234.7	254.3	273.9
Max heat output	kW	107.0	126.0	144.0	162.0	180.0	198.0	216.0	234.0	252.0
Pressure drop: combustion chamber hydraulic	Δp mbar	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
	Δt 20°C	-	0.5	0.8	1.8	2.2	2.6	3.2	4.0	4.5
Combustion chamber	dm ³	77	91	104	118	132	146	160	174	187
Max heating operating pressure	bar	6	6	6	6	6	6	6	6	6
Water content	dm ³	57	65	73	81	89	97	105	113	121
Elements	No.	6	7	8	9	10	11	12	13	14
Dimensions (WxHxD)	mm	600x1196x757	600x1196x867	600x1196x977	600x1196x1087	600x1196x1197	600x1196x1307	600x1196x1417	600x1196x1527	600x1196x1637
Empty weight	kg	361	412	463	514	565	616	670	725	780

* The ErP class is certified if: 1) The boilers are coupled to oil burners according to the table on the previous page 2) The boilers are coupled to oil burners with electrical absorption < at 170 W for models EL DB D N 25 - 37 and < 200 W for models EL DB D N 50 - 63 - 75

BIG FK

Cast-iron boiler, suitable for installation of an oil or gas jet burner - to be assembled



- High efficiency floor-standing heat generator fitted for jet burners on liquid and/or gas fuel, with partial flame reversal and one flue pass, cooled combustion chamber, for the production of hot water for central heating
- G20 cast-iron boiler body made from pre-assembled elements (6÷14) with steel cone inserts and boiler studs, insulated by a layer of rock wool lined by special tear-proof material.
- Control board includes: temperature and pressure gauge, overheat cut-off thermostat, switch on/off test, presetting led for the burner lockout, 2 stages regulation thermostat, lodging for an electronic controller
- Supplied in three boxes:
 - 1) boiler body in a wooden crate
 - 2) jacket packaged in a cardboard box
 - 3) instrument panel packaged in a cardboard box
- Fitted for two-stage burners

Boiler code	Boiler model
017J6CXD	FK 107
017J7CXD	FK 126
017J8CXD	FK 144
017J9CXD	FK 162
017JACXD	FK 180
017JBCXD	FK 198
017JCCXD	FK 216
017JDCXD	FK 234
017JECXD	FK 252

Technical data

MODEL		FK 107	FK 126	FK 144	FK 162	FK 180	FK 198	FK 216	FK 234	FK 252
Max heat Input	kW	116.0	136.9	156.5	176.0	195.6	215.2	234.7	254.3	273.9
Max heat output	kW	107.0	126.0	144.0	162.0	180.0	198.0	216.0	234.0	252.0
Pressure drop: combustion chamber hydraulic	Δp mbar	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
	Δt 20°C	-	0.5	0.8	1.8	2.2	2.6	3.2	4.0	4.5
Combustion chamber	dm ³	77	91	104	118	132	146	160	174	187
Max heating operating pressure	bar	6	6	6	6	6	6	6	6	6
Water content	dm ³	57	65	73	81	89	97	105	113	121
Elements	No.	6	7	8	9	10	11	12	13	14
Dimensions (WxHxD)	mm	600x1196x757	600x1196x867	600x1196x977	600x1196x1087	600x1196x1197	600x1196x1307	600x1196x1417	600x1196x1527	600x1196x1637
Empty weight	kg	361	412	463	514	565	616	670	725	780

BIG FK

Cast-iron 3 pass-flues boiler, suitable for installation of an oil or gas jet burner

- High efficiency heat generator for liquid or gas fuel, three flue passes, cooled combustion chamber, for the production of hot water for central heating, suitable for operation either connected to a traditional system or connected to a low temperature heating system, with a minimum return temperature of 35°C
- G20 cast-iron boiler body made of sections to be assembled when installing the generator in the boiler room
- Fitted for two-stage burners
- Control board includes: thermometer, safety thermostat, 2 stages thermostat with presetting for indication leds, boiler switch, lodging for eventual flues thermostat and electronic controller



Boiler code	Boiler model
0I9J7CXD	FK 200
0I9J8CXD	FK 250
0I9J9CXD	FK 300
0I9JACXD	FK 350
0I9JBCXD	FK 420
0I9JCCXD	FK 480
0I9JDCXD	FK 560
0I9JECXD	FK 650

Low temperature option

BIG FK "C" is equipped with a double CH flow connection, thus offering the possibility of connection to circuits with different operating temperatures.

Technical data

For BIG FK "C" 07÷10, In European community can be sold only as a replacement of an identical model.

MODEL		FK 200	FK 250	FK 300	FK 360	FK 420	FK 480	FK 560	FK 650
Max heat Input	kW	217	270	324	388	452	516	600	695
Max heat output	kW	200	250	300	360	420	480	560	650
Pmax efficiency	%	92.2	92.9	92.6	92.8	92.9	93.0	93.3	93.5
Efficiency 30%	%	95.4	96.0	96.5	97.1	97.1	97.2	97.3	97.3
Pressure drop: combustion chamber hydraulic	Δp mbar	0.5	0.8	0.7	1.4	1.4	1.7	2.6	3.5
	Δt 20°C	20	30	42	54	65	77	88	100
Combustion chamber	dm ³	161.3	185.1	208.9	232.8	256.6	280.4	304.3	328.1
Max heating operating pressure	bar	6	6	6	6	6	6	6	6
Water content	dm ³	143	163	183	203	223	243	263	283
Elements	No.	7	8	9	10	11	12	13	14
Dimensions (WxHxD)	mm	850x1193x1040	850x1193x1170	850x1193x1300	850x1193x1430	850x1193x1560	850x1193x1690	850x1193x1820	850x1193x1950
Empty weight	kg	940	1050	1170	1270	1400	1510	1630	1740



Megaprex N N

Steel heat generator with flame inversion

- Pressurised heat generator designed for jet burner with liquid and/or gaseous fuel, with flame inversion firebox in the combustion chamber
- Steel boiler body completely covered with insulating material and removable outer casing in grey painted sheet metal
- Large completely wet combustion chamber
- Front door with reversible opening (right and left) and innovative adjustment and closing system in a single mechanism
- System flow and return fittings threaded up to mod. 401, from mod. 525 flanged
- Maximum operating pressure 6 bar
- Heat transfer fluid circulation control system inside the body to improve exchange and avoid thermal shock
- "Satellite" control panel designed to work with single-stage, two-stage and two-stage progressive burners.
- Delivered complete with connection flanges to the system, command control panel (to be ordered upon completion) and 'blind' burner plate (drilled on demand).

Boiler code	Boiler model
0QIJ3AXD	MEGAPREX N 92N (WN)
0QIJ4AXD	MEGAPREX N 107N (WN)
0QIJ6AXD	MEGAPREX N 152N (WN)
0QIJ7AXD	MEGAPREX N 190N (WN)
0QIJ8AXD	MEGAPREX N 240N (WN)
0QIJ9AXD	MEGAPREX N 300N (WN)
0QIJAAXD	MEGAPREX N 350N (WN)
0QIJBAXD	MEGAPREX N 401N (WN)
0QIJEAXD	MEGAPREX N 525N (WN)
0QIJFAXD	MEGAPREX N 600N (WN)
0QIJHBXD	MEGAPREX N 720N (WN)

Boiler code	Boiler model
0QIJBXD	MEGAPREX N 820N (WN)
0QIJBXD	MEGAPREX N 940N (WN)
0QIJBXD	MEGAPREX N 1060N (WN)

0Q2K10XA	Thermostatic control panel *
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* The generator is not supplied as per standard with control panel. It must be ordered to complete the supply

Technical data

MEGAPREX N		92N	107N	152N	190N	240N	300N	350N
Rated output	min kW	60	70	100	137	160	196	228
	max kW	92	107	152	190	240	300	350
Combustion chamber (firebox) output	min kW	64.3	75	107.3	147.4	170.9	209.5	242.5
	max kW	99.5	116	165	206	261	326	378
Useful efficiency at P _n	100% P _n	92.48	92	92.3	91.95	92.25	92.05	92.51
	30% P _n	93.95	93.65	94.5	93.46	94.24	94.12	95.5
Total capacity of the boiler	litres	120	120	185	185	235	300	365
Water side pressure drops	mbar at ΔT 10°C	8	11	20	12	17	40	48
	mbar at ΔT 20°C	4	6	12	7	10	17	23
	mbar at ΔT 30°C	2	2.5	5	3	4	9	13
Flue gas side pressure drops	mbar	0.5	0.7	1.2	1.2	2.3	3.3	3.5
Maximum operating pressure	bar	6	6	6	6	6	6	6
Dry weight	kg	260	260	350	350	440	480	590

MEGAPREX N		401N	525N	600N	720N	820N	940N	1060N
Rated output	min kW	260	341	390	468	533	611	667
	max kW	401	525	600	720	820	940	1000
Combustion chamber output	min kW	277.5	364.5	417	502	566	651	717
	max kW	434	567	648	777	881	1011	1075
Useful efficiency at P _n	100% P _n	92.3	92.5	92.56	92.71	93.1	92.95	93.05
	30% P _n	94.19	94.15	94.32	93.6	94.4	94.2	96.75
Total capacity of the boiler	litres	365	405	465	735	735	850	1250
Water side pressure drops	mbar at ΔT 10°C	43	40	51	32	40	51	65
	mbar at ΔT 20°C	31	22	28	18	25	25	33
	mbar at ΔT 30°C	16	12	16	10	18	16	20
Flue gas side pressure drops	mbar	4.4	4.3	4.8	4.5	5.6	5.4	6
Maximum operating pressure	bar	6	6	6	6	6	6	6
Dry weight	kg	590	860	970	1250	1250	1420	1580



Prex H 3 LN

- Close coupled steel thermal generator with three smoke passes at low thermal load, vertical configuration and extremely reduced front clearance
- Models with effective output less than or equal to 400 kW are exclusively suited for replacements according to that set forth by art. 1, paragraph 2, letter G of EU regulation 813/2013
- Set up for coupling with jet burners operating with liquid and gaseous fuel (see coupling table).
- Large floating combustion chamber with wet bottom
- Shell and tube for the second and third flue gas pass applied at the top of the firebox and flue gas pipes protruding respect to the plate to avoid condensation
- Steel turbolators to enhance the thermal output of the generator and designed so as not to increase the pressure drops of the flue gas path
- Boiler body completely covered with insulating material and removable outer casing in painted sheet metal
- Vertical threaded connections up to model 240 and flanged for the rest of the range
- Front door completely insulated and with reversible opening (right and left) thanks to an innovative closure and micrometric regulation system on the boiler body. Fitted with spyhole to inspect the flame and outlet to measure the backpressure of the firebox
- Maximum operating pressure 6 bar
- Thermal anti shock protection on the return fitting from the system
- Reduced front clearance to facilitate passage of the generator through the accessways of thermal power plants
- "Satellite" control panel available in thermostatic version

Boiler code	Boiler model
ORD099XD	PREX H3 70 LN (UN)
ORD000XD	PREX H3 92 LN (UN)
ORD100XD	PREX H3 107 LN (UN)
ORD200XD	PREX H3 152 LN (UN)
ORD300XD	PREX H3 190 LN (UN)
ORD400XD	PREX H3 240 LN (UN)
ORD600XD	PREX H3 320 LN (UN)
ORD800XD	PREX H3 399 LN (UN)
ORDB00XD	PREX H3 500 LN (UN)
ORDD00XD	PREX H3 600 LN (UN)
ORDE00XD	PREX H3 720 LN (UN)
ORDF00XD	PREX H3 820 LN (UN)
ORDG00XD	PREX H3 940 LN (UN)
ORDH00XD	PREX H3 1060 LN (UN)
ORDJ00XD	PREX H3 1250 LN (UN)
ORDL00XD	PREX H3 1480 LN (UN)
ORDP00XD	PREX H3 1890 LN (UN)
ORDS00XD	PREX H3 2360 LN (UN)
ORDT00XD	PREX H3 2800 LN (UN)
ORDU00XD	PREX H3 3200 LN (UN)

0Q2K10XA	Thermostatic control control panel *
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* The generator is not supplied as per standard with control panel.
It must be ordered to complete the supply

Technical data

Model		70	92	107	152	190	240	320	399	500	600
Useful potential (min-max)	kW	46-70	60-92	70-107	100-152	137-190	160-240	196-320	260-399	341-500	390-600
Firebox potential (min-max)	kW	48-73.9	62.7-97.1	73.2-112.9	104.7-160.5	143.8-200.8	167.8-252.9	205.2-335.7	271.5-417.4	354.6-522.8	403.8-627.2
Total boiler capacity	l	110	110	171	171	245	287	435	435	576	576
Flue gas side pressure drops	mbar	0.54	0.89	1.2	1.65	1.8	2.4	3.3	4.4	5.43	6.2
Max operating pressure	bar	6	6	6	6	6	6	6	6	6	6
Empty weight	kg	236	236	332	332	460	524	833	833	1146	1146

Model		720	820	940	1060	1250	1480	1890	2360	2800	3200
Rated potential (min-max)	kW	468-720	533-820	611-940	689 - 1060	813 - 1250	962 - 1480	1229 - 1890	1535-2360	1820-1887.5	2080-3200
Firebox potential (min-max)	kW	484.8-752.5	522.3-856.7	633.4-981.6	714.5-1106.3	843.7-1303.6	999.1-1542.0	1278.1-1919.3	1598.9-2449.8	1887.5-2913.6	2155.4-3325.3
Total boiler capacity	l	866	866	1,506	1,506	1,822	2,034	2,509	2,783	3,355	3,697
Flue gas side pressure drops	mbar	5.9	6.7	6.3	7.2	7	7.4	7.2	7.8	7.5	9
Max operating pressure	bar	6	6	6	6	6	6	6	6	6	6
Empty weight	kg	1,557	1,584	2,329	2,329	2,601	2,871	3,552	4,041	5,690	6,180

Models with effective output less than or equal to 400 kW are only suited for industrial applications



Prex H 3 Cond 65-650

Three flue gas pass condensing thermal generators



- Steel condensing heat generator with high water content, designed to work in conjunction with gas or oil jet burners
- Boiler with three smoke passes, with return pipe from the bottom of the combustion chamber (second pass) and shell and tube (third pass), built in stainless steel 2205 (Duplex) to guarantee the highest resistance to the corrosive effects of condensation
- Floating combustion chamber with wet bottom, low volumetric heat load and standard turbulators on the last flue gas pass
- Front close coupled door equipped with blind flange for securing the burner. All the parts in contact with the flue gas are coated with refractory material offering high resistance and thermal insulation. Reversible opening (right and left) and closing system and micro-metric adjustment on four points
- Double return fitting for low and high temperature systems
- Small front clearance to fit the generator through the accessways of thermal power plants
- High energy efficiency
- Maximum operating pressure 6 bar
- Heat transfer fluid circulation control system inside the body to improve exchange and avoid thermal shock
- “Satellite” control panel available in thermostatic version

Boiler code	Boiler model
ORGZ3AXD	Prex H 3 Cond 65
ORGZ4AXD	Prex H 3 Cond 100
ORGZ5AXD	Prex H 3 Cond 150
ORGZ8AXD	Prex H 3 Cond 230
ORGZBAXD	Prex H 3 Cond 370
ORGZDAXD	Prex H 3 Cond 500
ORGZGAXD	Prex H 3 Cond 650

0Q2K10XA	Thermostatic control panel *
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* The generator is not supplied as per standard with control panel.
It must be ordered to complete the supply

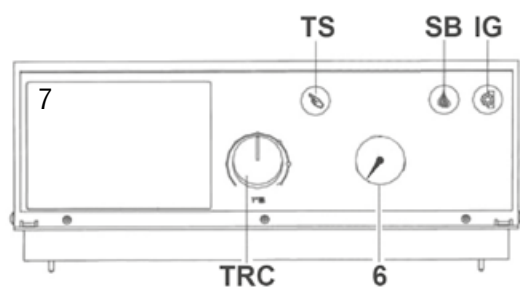
Technical data

MODEL			65	100	150	230	370	500	650
ERP Class			A	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
Heat input (kW)		Max	61.3	94.3	141.5	217	349.1	471.7	613.2
		Min	18.4	28.3	42.5	65.1	104.7	141.5	184
Effective rated output (80/60°C) (kW)		Max	59.5	91.5	137.3	210.5	338.6	457.5	594.8
		Min	18	27.7	41.6	63.8	102.6	138.7	180.3
Effective rated output (50/30°C) (kW)	Gas	Max	65	100	150	230	370	500	650
		Min	19.7	30.3	45.4	69.7	112	151.4	196.8
	Oil	Max	62.9	96.7	145	222.4	357.8	483.5	628.5
		Min	19.1	29.4	44.2	67.7	108.9	147.2	191.3
Efficiency (50/30°C) (%)	Gas	Max	106	106	106	106	106	106	106
		Min	107	107	107	107	107	107	107
	Oil	Max	102.5	102.5	102.5	102.5	102.5	102.5	102.5
		Min	104	104	104	104	104	104	104
Efficiency 30%	Gas	Max	107.5	107.5	107.5	107.5	107.5	107.5	107.5
	Oil	Min	104.5	104.5	104.5	104.5	104.5	104.5	104.5
Max operating pressure		bar	6	6	6	6	6	6	6
Flue gas side pressure drop		mbar	0.4	0.65	1.7	2	3.5	4.2	
Protection rating			IPX0D						
Electric power supply		V/Hz	230/50	230/50	230/50	230/50	230/50	230/50	230/50
Empty weight		kg	377	436	490	645	1035	1338	1451

Thermostatic control panel



- Can be combined with single-stage and two-stage jet burners
- Double contact regulation thermostat
- Anticondensation function with minimum threshold for starting the adjustable pump



- **Composed of**
- **IG** Main switch
- **SB** Blocked burner light
- **TRC** Adjustment thermostat
- **TS** Safety Reset / Thermostat
- **6** Thermometer
- **7** Temperature control set-up (not supplied)

Code	Model
0Q2K10XA	Thermostatic control panel

Recommended boiler and burner combinations

GENERATOR		OIL BURNER			GAS BURNER		
MODEL	CODE	MODEL	TYPE	CODE	MODEL	TYPE	CODE
EL DB N 32 (WN)	0IHJ3DWD	ECO 3	One stage	Z300840005	EM 3-E.D1	One stage	Z300873960
EL DB EVO N 32	0IHJ3KYD	ECO 3	One stage	Z300840017	EM 3-E.D2	One stage	Z300860111
					EM 3-E.D3	One stage	Z300860121
EL DB N 47 (WN)	0IHJ4DWD	ECO 5 N	One stage	Z300841221	EM 6-E.D1	One stage	Z300873970
EL DB EVO N 47	0IHJ4KYD	ECO 5 RN	One stage	Z300841231	EM 6-E.D2	One stage	Z300860211
					EM 6-E.D3	One stage	Z300860221
EL DB N 62 (WN)	0IHJ5DWD	ECO 8	One stage	Z300870013	EM 9-E.D2	One stage	Z300860301
EL DB EVO N 62	0IHJ5KYD	ECO 7 R	One stage	Z300840413	EM 9-E.D3	One stage	Z300860311
EL DB N 78 (WN)	0IHJ6DWD	ECO 8	One stage	Z300870013	EM 12-E.D3	One stage	Z300860063
EL DB EVO N 78	0IHJ6KYD				EM 12-E.D6	One stage	Z300860054
EL DB N 95 (WN)	0IHJ7DWD	ECO 10	One stage	Z300870003	EM 12-E.D3	One stage	Z300860063
EL DB EVO N 95	0IHJ7KYD				EM 12-E.D6	One stage	Z300860054
EL DB D N 25 (WN) -E	0IHJ3PWD	ECO 3	One stage	Z300840005			
EL DB D N 37 (WN) -E	0IHJ4PWD	ECO 5 N	One stage	Z300841221			
EL DB D N 50 (WN) -E	0IHJ5PWD	ECO 8	One stage	Z300870013			
EL DB D N 63 (WN) -E	0IHJ6PWD	ECO 8	One stage	Z300870013			
EL DB D N 75 (WN) -E	0IHJ7PWD	ECO 8	One stage	Z300870013			
BIG F 90	0I7J5BXD 0I7J5CXD	ECO 10	One stage	Z300870003	EM 12-E.D3	One stage	Z300860063
					EM 12-E.D6	One stage	Z300860054
					EM 16/2-E.D3	Two stage	Z300860401
					EM 16/2-E.D4	Two stage	Z300860411
					EM 16/M-E.D4	Progressive	Z300872210
BIG F 107	0I7J6BXD 0I7J6CXD	ECO 15	One stage	Z300841283	EM 16-E.D3	One stage	Z300860401
		ECO 15/2	Two stage	Z300841294	EM 16-E.D4	One stage	Z300860411
					EM 16/2-E.D3	Two stage	Z300860401
					EM 16/2-E.D4	Two stage	Z300860411
					EM 16/M-E.D4	Progressive	Z300872210
BIG F 126	0I7J7BXD 0I7J7CXD	ECO 15	One stage	Z300841283	EM 16-E.D3	One stage	Z300860401
		ECO 15/2	Two stage	Z300841294	EM 16-E.D4	One stage	Z300860411
					EM 16/2-E.D3	Two stage	Z300860401
					EM 16/2-E.D4	Two stage	Z300860411
					EM 16/M-E.D4	Progressive	Z300872210

Recommended boiler and burner combinations

GENERATOR		OIL BURNER			GAS BURNER		
MODEL	CODE	MODEL	TYPE	CODE	MODEL	TYPE	CODE
BIG F 144	017J8BXD 017J8CXD	ECO 15	One stage	Z300841283	EM 18-E.D3	One stage	Z300860362
		ECO 15/2	Two stage	Z300841294	EM 18-E.D6	One stage	Z300860353
					EM 18/2-E.D3	Two stage	Z300860463
					EM 18/2-E.D6	Two stage	Z300860453
BIG F 162	017J9BXD 017J9CXD	ECO 15	One stage	Z300841283	EM 26-E.D3	One stage	Z300860511
		ECO 15/2	Two stage	Z300841294	EM 26-E.D4	One stage	Z300860521
					EM 26-E.D6	One stage	Z300860501
					EM 26/2-E.D3	Two stage	Z300860541
					EM 26/2-E.D4	Two stage	Z300860551
					EM 26/-E2.D6	Two stage	Z300860531
					EM 26/M-E.D4	Progressive	Z300860581
					EM 26/M-E.D5	Progressive	Z300860591
					EM 26/M-E.D7	Progressive	Z300860571
BIG F 180	017JABXD 017JACXD	ECO 20	One stage	Z300870053	EM 26-E.D3	One stage	Z300860511
		ECO 20/2	Two stage	Z300840744	EM 26-E.D4	One stage	Z300860521
					EM 26-E.D6	One stage	Z300860501
					EM 26/2-E.D3	Two stage	Z300860541
					EM 26/2-E.D4	Two stage	Z300860551
					EM 26/2-E.D6	Two stage	Z300860531
					EM 26/M-E.D4	Progressive	Z300860581
					EM 26/M-E.D5	Progressive	Z300860591
					EM 26/M-E.D7	Progressive	Z300860571
BIG F 198	017JBBXD 017JBCXD	ECO 20	One stage	Z300870053	EM 26-E.D3	One stage	Z300860511
		ECO 20/2	Two stage	Z300840744	EM 26-E.D4	One stage	Z300860521
					EM 26-E.D6	One stage	Z300860501
					EM 26/2-E.D3	Two stage	Z300860541
					EM 26/2-E.D4	Two stage	Z300860551
					EM 26/2-E.D6	Two stage	Z300860531
					EM 26/M-E.D4	Progressive	Z300860581
					EM 26/M-E.D5	Progressive	Z300860591
					EM 26/M-E.D7	Progressive	Z300860571

Recommended boiler and burner combinations

GENERATOR		OIL BURNER			GAS BURNER		
MODEL	CODE	MODEL	TYPE	CODE	MODEL	TYPE	CODE
BIG F 216	017JCBXD 017JCCXD	ECO 22	One stage	Z300840602	EM 35-E.D4	One stage	Z300870212
		ECO 22/2	Two stage	Z300840654	EM 35-E. D7	One stage	Z300870202
					EM 40/2-E.D4	Two stage	Z300870262
					EM 40/2-E.D7	Two stage	Z300870252
					EM 40/M-E.D4	Progressive	Z300870302
					EM 40/M-E.D5	Progressive	Z300870312
					EM 40/M-E.D7	Progressive	Z300870292
BIG F 234	017JDBXD 017JDCXD	ECO 22	One stage	Z300840602	EM 35-E.D4	One stage	Z300870212
		ECO 22/2	Two stage	Z300840654	EM 35-E. D7	One stage	Z300870202
					EM 40/2-E.D4	Two stage	Z300870262
					EM 40/2-E.D7	Two stage	Z300870252
					EM 40/M-E.D4	Progressive	Z300870302
					EM 40/M-E.D5	Progressive	Z300870312
					EM 40/M-E.D7	Progressive	Z300870292
BIG F 252	017JEBXD 017JECXD	ECO 30	One stage	Z300870151	EM 35-E.D4	One stage	Z300870212
		ECO 30/2	Two stage	Z300870161	EM 35-E. D7	One stage	Z300870202
					EM 40/2-E.D4	Two stage	Z300870262
					EM 40/2-E.D7	Two stage	Z300870252
					EM 40/M-E.D4	Progressive	Z300870302
					EM 40/M-E.D5	Progressive	Z300870312
					EM 40/M-E.D7	Progressive	Z300870292
BIG FK 200	019J7CXD	ECO 20	One stage	Z300870053	EM 26-E.D3	One stage	Z300860511
		ECO 20/2	Two stage	Z300840744	EM 26-E.D4	One stage	Z300860521
		ECO 22	One stage	Z300840602	EM 26-E.D6	One stage	Z300860501
		ECO 22/2	Two stage	Z300840654	EM 26/2-E.D3	Two stage	Z300860541
					EM 26/2-E.D4	Two stage	Z300860551
					EM 26/2-E.D6	Two stage	Z300860531
					EM 26/M-E.D4	Progressive	Z300860581
					EM 26/M-E.D5	Progressive	Z300860591
					EM 26/M-E.D7	Progressive	Z300860571

Recommended boiler and burner combinations

GENERATOR		OIL BURNER			GAS BURNER		
MODEL	CODE	MODEL	TYPE	CODE	MODEL	TYPE	CODE
BIG FK 250	0I9J8CXD	ECO 30	One stage	Z300870151	EM 35-E.D4	One Stage	Z300870212
		ECO 30/2	Two stage	Z300870161	EM 35-E. D7	One Stage	Z300870202
					EM 40/2-E.D4	Two stage	Z300870262
					EM 40/2-E.D7	Two stage	Z300870252
					EM 40/M-E.D4	Progressive	Z300870302
					EM 40/M-E.D5	Progressive	Z300870312
					EM 40/M-E.D7	Progressive	Z300870292
BIG FK 300	0I9J9CXD	ECO 30	One stage	Z300870151	EM 40/2-E.D4	Two stage	Z300870262
		ECO 30/2	Two stage	Z300870161	EM 40/2-E.D7	Two stage	Z300870252
					EM 40/M-E.D4	Progressive	Z300870302
					EM 40/M-E.D5	Progressive	Z300870312
					EM 40/M-E.D7	Progressive	Z300870292
BIG FK 360	0I9JACXD	ECO 40/2	Two stage	Z300870171	LMB G 450-K1 (VCV-L225)	Progressive	Z300873810
					LMB G 450-K1 (VCV-L125)	Progressive	Z300873800
BIG FK 420	0I9JBCXD	LMB LO 700 BC	Two stage	Z300845871	LMB G 700-K1 1/2 (VCV-L240) BC	Progressive	Z300873511
BIG FK 480	0I9JCCXD	LMB LO 700 BC	Two stage	Z300845871	LMB G 700-K1 1/2 (VCV-L240) BC	Progressive	Z300873511
BIG FK 560	0I9JDCXD	LMB LO 700 BC	Two stage	Z300845871	LMB G 700-K1 1/2 (VCV-L240) BC	Progressive	Z300873511
BIG FK 650	0I9JECXD	LMB LO 1000 BC	Two stage	Z300845281	LMB G 700-K2 (VCV-L350) BC	Progressive	Z300872511
					LMB G 700-S1 1/2 (VGD-20.403) BC	Progressive	Z300872680
MEGAPREX N 92 N	0QIJ3AXD	ECO 10/L	One stage	Z300845650	EM 12/L-E .D3	One stage	Z300873030
					EM 12/L-E .D6	One stage	Z300873020
					EM 16/2 L -E.D4	Two stage	Z300874130
MEGAPREX N 107 N	0QIJ4AXD	ECO 10/L	One stage	Z300845650	EM 12/L-E .D3	One stage	Z300873030
					EM 12/L-E .D6	One stage	Z300873020
					EM 16/2 L -E.D4	Two stage	Z300874130
MEGAPREX N 152 N	0QIJ6AXD	ECO 15/L	One stage	Z300845660	EM 18/L-E .D3	One Stage	Z300873050
		ECO 15/2	Two stage	Z300841294	EM 18/L-E .D6	One Stage	Z300873040
					EM 18/2-E.D3	Two stage	Z300860463
					EM 18/2-E.D6	Two stage	Z300860453
					EM 26/M-E.D4	Progressive	Z300860581
					EM 26/M-E.D5	Progressive	Z300860591
					EM 26/M-E.D7	Progressive	Z300860571

Recommended boiler and burner combinations

GENERATOR		OIL BURNER			GAS BURNER		
MODEL	CODE	MODEL	TYPE	CODE	MODEL	TYPE	CODE
MEGAPREX N 190 N	0QIJ7AXD	ECO 20 /L	One stage	Z300845670	EM 26-E.D3	One Stage	Z300860511
		ECO 20/2	Two stage	Z300840744	EM 26-E.D4	One Stage	Z300860521
					EM 26-E.D6	One Stage	Z300860501
					EM 26/2-E.D3	Two stage	Z300860541
					EM 26/2-E.D4	Two stage	Z300860551
					EM 26/2-E.D6	Two stage	Z300860531
					EM 26/M-E.D4	Progressive	Z300860581
					EM 26/M-E.D5	Progressive	Z300860591
					EM 26/M-E.D7	Progressive	Z300860571
MEGAPREX N 240 N	0QIJ8AXD	ECO 30	One stage	Z300870151	EM 40/2-E.D4	Two stage	Z300870262
		ECO 30/2	Two stage	Z300870161	EM 40/2-E.D7	Two stage	Z300870252
					EM 40/M-E.D4	Progressive	Z300870302
					EM 40/M-E.D5	Progressive	Z300870312
					EM 40/M-E.D7	Progressive	Z300870292
MEGAPREX N 300 N	0QIJ9AXD	ECO 40/2	Two stage		LMB G 700 (BL) (K1"1/2)	Progressive	Z300873541
MEGAPREX N 350 N	0QIJAAAD	LMB LO 700 BL	Two stage	Z300845881	LMB G 700 (BL) (K1"1/2)	Progressive	Z300873541
MEGAPREX N 401 N	0QIJBAXD	LMB LO 700 (2ST-BL)	Two stage	Z300845881	LMB G 700 (BL) (K1"1/2)	Progressive	Z300873541
		LMB LO 1000 (2ST-BL)	Two stage	Z300845301			
MEGAPREX N 525 N	0QIJEAXD	LMB LO 1000 (2ST-BL)	Two stage	Z300845301	LMB G 1000 (BL) (K2")	Progressive	Z300872591
					LMB G 1000 (BL) (S1 1/2")	Progressive	Z300872690
					LMB G 1000 (BL) (K1 1/2")	Progressive	Z300873191
MEGAPREX N 600 N	0QIJFAXD	LMB LO 1000 (2ST-BL)	Two Stage	Z300845301	LMB G 1000 (BL) (K2")	Progressive	Z300872591
		LMB LO 1300 (2ST)	Two stage	Z300845351	LMB G 1000 (BL) (S1 1/2")	Progressive	Z300872690
					LMB G 1000 (BL) (K1 1/2")	Progressive	Z300873191
					LMB G 1300 (K1 1/2")	Progressive	Z300872861
					LMB G 1300 (K2")	Progressive	Z300872871
					LMB G 1300 (S2")	Progressive	Z300872880
					LMB G 1300 (S1 1/2")	Progressive	Z300872520
MEGAPREX N 720 N	0QIJHBXD	LMB LO 1300 (2ST)	Two stage	Z300845351	LMB G 1000 (BL) (K2")	Progressive	Z300872591
					LMB G 1000 (BL) (S1 1/2")	Progressive	Z300872690
					LMB G 1000 (BL) (K1 1/2")	Progressive	Z300873191
					LMB G 1300 (K1 1/2")	Progressive	Z300872861
					LMB G 1300 (K2")	Progressive	Z300872871
					LMB G 1300 (S2")	Progressive	Z300872880
					LMB G 1300 (S1 1/2")	Progressive	Z300872520

Recommended boiler and burner combinations

GENERATOR		OIL BURNER			GAS BURNER		
MODEL	CODE	MODEL	TYPE	CODE	MODEL	TYPE	CODE
MEGAPREX N 820 N	0QIJIBXD	LMB LO 1300 (2ST)	Two stage	Z300845351	LMB G 1300 (K1 1/2")	Progressive	Z300872861
					LMB G 1300 (K2")	Progressive	Z300872871
					LMB G 1300 (S2")	Progressive	Z300872880
					LMB G 1300 (S1 1/2")	Progressive	Z300872520
MEGAPREX N 940 N	0QIJJBXD	LMB LO 1300 (2ST)	Two stage	Z300845351	LMB G 1300 (K1 1/2")	Progressive	Z300872861
		LMB LO 2000 (2ST)	Two stage	Z300845361	LMB G 1300 (K2")	Progressive	Z300872871
					LMB G 1300 (S2")	Progressive	Z300872880
					LMB G 1300 (S1 1/2")	Progressive	Z300872520
MEGAPREX N 1060 N	0QIJBXD	LMB LO 2000 (2ST)	Two stage	Z300845361	LMB G 1300 (K1 1/2")	Progressive	Z300872861
					LMB G 1300 (K2")	Progressive	Z300872871
					LMB G 1300 (S2")	Progressive	Z300872880
					LMB G 1300 (S1 1/2")	Progressive	Z300872520
					LMB G 2000 (S DN 65)	Progressive	Z300872530
					LMB G 2000 (S 2")	Progressive	Z300872910
					LMB G 2000 (K 2")	Progressive	Z300872901
PREX H3 70 LN	ORD099XD				EM 12/L-E.D3	One stage	Z300873030
					EM 12/L-E.D6	One stage	Z300873020
PREX H3 92 LN	ORD000XD	ECO 10/L	One stage	Z300845650	EM 12/L-E.D3	One stage	Z300873030
					EM 12/L-E.D6	One stage	Z300873020
					EM 16/2 L -E.D4	Two stage	Z300874130
PREX H3 107 LN	ORD100XD	ECO 15/L	One stage	Z300845660	EM 12/L-E.D3	One stage	Z300873030
		ECO 15/2	Two stage	Z300841294	EM 12/L-E.D6	One stage	00873020
					EM 16/2 L -E.D4	Two stage	Z300874130
PREX H3 152 LN	ORD200XD	ECO 20 /L	One stage	Z300845670	EM 18/L-E .D3	One stage	Z300873050
		ECO 20/2	Two stage	Z300840744	EM 18/L-E .D6	One stage	Z300873041
					EM 18/2-E.D3	Two stage	Z300860463
					EM 18/2-E.D6	Two stage	Z300860453
PREX H3 190 LN	ORD300XD	ECO 30	One stage	Z300870151	EM 40/2-E.D4	Two stage	Z300870262
		ECO 22/2	Two stage	Z300840654	EM 40/2-E.D7	Two stage	Z300870252
					EM 40/M-E.D4	Progressive	Z300870302
					EM 40/M-E.D5	Progressive	Z300870312
					EM 40/M-E.D7	Progressive	Z300870292

Recommended boiler and burner combinations

GENERATOR		OIL BURNER			GAS BURNER		
MODEL	CODE	MODEL	TYPE	CODE	MODEL	TYPE	CODE
PREX H3 240 LN	ORD400XD	ECO 30	One stage	Z300870151	EM 40/2-E.D4	Two stage	Z300870262
		ECO 30/2	Two stage	Z300870161	EM 40/2-E.D7	Two stage	Z300870252
					EM 40/M-E.D4	Progressive	Z300870302
					EM 40/M-E.D5	Progressive	Z300870312
					EM 40/M-E.D7	Progressive	Z300870292
PREX H3 320 LN	ORD600XD	ECO 40/2	Two stage	Z300870171	LMB G 700 (BL) (K1"1/2)	Progressive	Z300873541
PREX H3 399 LN	ORD800XD	LMB LO 700 BL	Two stage	Z300845881	LMB G 700 (BL) (K1"1/2)	Progressive	Z300873541
PREX H3 500 LN	ORDB00XD	LMB LO 1000 (2ST-BL)	Two stage	Z300845301	LMB G 700 (BL) (K1"1/2)	Progressive	Z300873541
PREX H3 600 LN	ORDD00XD	LMB LO 1300 (2ST)	Two stage	Z300845351	LMB G 1000 (BL) (K2")	Progressive	Z300872591
					LMB G 1000 (BL) (S1 1/2")	Progressive	Z300872690
PREX H3 720 LN	ORDE00XD	LMB LO 1300 (2ST)	Two stage	Z300845351	LMB G 1300 (K2")	Progressive	Z300872871
					LMB G 1300 (S2")	Progressive	Z300872880
					LMB G 1300 (S1 1/2")	Progressive	Z300872520
PREX H3 820 LN	ORDF00XD	LMB LO 1300 (2ST)	Two stage	Z300845351	LMB G 1300 (K2")	Progressive	Z300872871
					LMB G 1300 (S2")	Progressive	Z300872880
					LMB G 1300 (S1 1/2")	Progressive	Z300872520
PREX H3 940 LN	ORDG00XD	LMB LO 1300 (2ST)	Two stage	Z300845351	LMB G 1300 (K2")	Progressive	Z300872871
					LMB G 1300 (S2")	Progressive	Z300872880
					LMB G 1300 (S1 1/2")	Progressive	Z300872520
PREX H3 1060 LN	ORDH00XD	LMB LO 2000 (2ST)	Two stage	Z300845361	LMB G 1300 (K2")	Progressive	Z300872871
					LMB G 1300 (S2")	Progressive	Z300872880
					LMB G 1300 (S1 1/2")	Progressive	Z300872520
PREX H3 1250 LN	ORDJ00XD	LMB LO 2000 (2ST)	Two stage	Z300845361	LMB G 2000 (S DN 65)	Progressive	Z300872530
					LMB G 2000 (S 2")	Progressive	Z300872910
					LMB G 2000 (K 2")	Progressive	Z300872901
PREX H3 1480 LN	ORDL00XD	LMB LO 2000 (2ST)	Two stage	Z300845361	LMB G 2000 (S DN 65)	Progressive	Z300872530
					LMB G 2000 (S 2")	Progressive	Z300872910
					LMB G 2000 (K 2")	Progressive	Z300872901
PREX H3 1890 LN	ORDP00XD	PG 180/2	Two stage	Z300802101	310 PM/M-E.F8	Progressive	Z300870482
		PG 180/M	Progressivo	Z300802251	310 PM/M-E.F9	Progressive	Z300874210
					310 PM/M-E.F10	Progressive	Z300870472

Recommended boiler and burner combinations

GENERATOR		OIL BURNER			GAS BURNER		
MODEL	CODE	MODEL	TYPE	CODE	MODEL	TYPE	CODE
PREX H3 2360 LN	ORDS00XD	PG 250/2	Two stage	Z300802151	310 PM/M-E.F8	Progressive	Z300870482
		PG 300/M	Progressivo	Z300802271	310 PM/M-E.F9	Progressive	Z300874210
					310 PM/M-E.F10	Progressive	Z300870472
PREX H3 2800 LN	ORDT00XD	PG 300/2	Two stage	Z300802201	430 PM/M-E.F.8	Progressive	Z300870512
		PG 300/M	Progressivo	Z300802271	430 PM/M-E.F.9	Progressive	Z300874220
					430 PM/M-E.F.10	Progressive	Z300870502
PREX H3 3200 LN	ORDU00XD	PG 300/2	Two stage	Z300802201	430 PM/M-E.F.8	Progressive	Z300870512
					430 PM/M-E.F.9	Progressive	Z300874220
					430 PM/M-E.F.10	Progressive	Z300870502
PREX H3 COND 65	ORGZ3AXD	ECO 8	One stage	Z300870013	EM 9-E.D2	One stage	Z300860301
		ECO 7/2	Two stage	Z300840381	EM 9-E.D3	One stage	Z300860311
		ECO 7 R	One stage	Z300840413	EM 9/2-E.D3	Two stage	Z300860322
PREX H3 COND 100	ORGZ4AXD	ECO 10/L	One stage	Z300845650	EM 12/L-E.D3	One stage	Z300873030
		ECO 15/2	Two stage	Z300841294	EM 12/L-E.D6	One stage	Z300873020
					EM 16/2-E.D3	Two stage	Z300860401
					EM 16/2-E.D4	Two stage	Z300860411
					EM 16/M-E.D4	Progressive	Z300872210
PREX H3 COND 150	ORGZ5AXD	ECO 22	One stage	Z300840602	EM 18/L-E.D6	One stage	Z300873040
		ECO 22/2	Two stage	Z300840654	EM 18/2-E.D6	Two stage	Z300860453
					EM 18/2-E.D3	Two stage	Z300860463
					EM 26/2-E.D4	Two stage	Z300860551
					EM 26/2-E.D6	Two stage	Z300860531
					EM 26/M-E.D4	Progressive	Z300860581
					EM 26/M-E.D5	Progressive	Z300860591
					EM 26/M-E.D7	Progressive	Z300860571
PREX H3 COND 230	ORGZ8AXD	ECO 22	One stage	Z300840602	EM 40/2-E.D4	Two stage	Z300870262
		ECO 22/2	Two stage	Z300840654	EM 40/2-E.D7	Two stage	Z300870252
					EM 40/M-E.D4	Progressive	Z300870302
					EM 40/M-E.D5	Progressive	Z300870312
					EM 40/M-E.D7	Progressive	Z300870292
PREX H3 COND 370	ORGZBAXD	ECO 40/2	Two stage	Z300870171	LMB G 450-K1 (VCV-L225)	Progressive	Z300873810
		LMB LO 450	Two stage	Z300845970	LMB G 450-K1 (VCV-L125)	Progressive	Z300873800
PREX H3 COND 500	ORGZDAXD	LMB LO 700 BC	Two stage	Z300845871	LMB G 700 BC - K 1 1/2 (VCV L240)	Progressive	Z300873511



Kyra D 30 Si Unit Cond

Heating and DHW condensing thermal unit with low NOx oil burner and steel boiler body

- Main exchanger with two-pass steel vertical flue gas pipe First carbon steel flue gas pass. Second flue gas pass (condenser) and AISI 2205 steel condensation collection chamber
- Completely wet combustion chamber
- Complete with single stage oil burner with low pollutant emissions
- Control panel with large interface display and easy and intuitive parameter setting keys
- Including heating pump, expansion vessel, 3 bar pressure relief valve and water pressure switch
- Supplied in a single parcel packed in a wooden box complete with filter and oil line connection hoses
- Sliding temperature operating mode with outdoor probe (optional)
- The electronics of the generator can manage an external DHW storage tank (optional)
- Can be combined with the remote control timer
- Antifrost system with triggering threshold at 6°C

Boiler code

Boiler model

0QHY2YKD

KYRA D 30 SI UNIT COND

Technical data

MODEL			30
ERP Class		(Class G - A ⁺⁺)	
	 XL	(Class G - A)	
Rated heat input (LCV)	Max heating	kW	29.3
Heating heat output 80°C-60°C 50°C-30°C	Max heating	kW	28.5
	Max heating	kW	30
Useful thermal efficiency	80°C-60°C	Pmax %	97.0
	50°C-30°C	Pmax %	102.3
	Red. load 30%	Pmax %	103.7
Domestic hot water production	Δt 30°C	l/min	14.3
Operating pressure	Min / Max heating	bar	0.8 / 0.3
Empty weight		kg	115



Kyra D 30 Unit Cond

Heating only condensing thermal unit with Low NOx oil burner and steel boiler body

- Main exchanger with two-pass steel vertical flue gas pipe First carbon steel flue gas pass. Second flue gas pass (condenser) and AISI 2205 steel condensation collection chamber
- Completely wet combustion chamber
- Complete with single stage oil burner with low pollutant emissions
- Control panel with large interface display and easy and intuitive parameter setting keys
- Including heating pump, expansion vessel, 3 bar pressure relief valve and water pressure switch
- Supplied in a single parcel packed in a wooden box complete with filter and oil line connection hoses
- Sliding temperature operating mode with outdoor probe (optional)
- The electronics of the generator can manage an external DHW storage tank (optional)
- Can be combined with the remote control timer
- Antifrost system with triggering threshold at 6°C

Boiler code

Boiler model

0QHZ2YKD

KYRA D 30 UNIT COND

Technical data

MODEL			30
ERP Class		(Class G - A++)	
Max heat input	kW		29.3
Heating max heat output (80-60°C)	kW		28.5
Heating max heat output (50-30°C)	kW		30.0
Pmax efficiency (80-60°C)	%		97.0
Pmax efficiency (50-30°C)	%		102.3
Efficiency 30% Pn	%		103.7
Max heating operating pressure	bar		3
Empty weight	Kg		115



Kyra D 30 Si Unit

Thermal unit with Low NOx oil burner and steel boiler body for heating and DHW production

- Main exchanger with vertical flue gas pipes. Very high efficiency coil DHW production
- Completely wet combustion chamber
- Complete with single stage oil burner with low pollutant emissions
- Control panel with large interface display and easy and intuitive parameter setting keys
- Including heating pump, expansion vessel, 3 bar pressure relief valve and water pressure switch
- Supplied in a single parcel packed in a wooden box complete with filter and oil line connection hoses
- Sliding temperature operating mode with outdoor probe (optional)
- Can be combined with the remote control timer
- Antifrost system with triggering threshold at 6°C

Boiler code

Boiler model

0QHC2YKD

KYRA D 30 SI UNIT

Technical data

MODEL			30
ERP Class		(Class G - A++)	
		(Class G - A)	
Max heat input	kW		26.6
Heating max heat output	kW		25.0
Pmax efficiency (80-60°C)	%		94.0
Efficiency 30% Pn	%		98.1
Max operating pressure heating	bar		3
DHW flow rate Δt30°C	l/min		14.3
Empty weight	Kg		115



Kyra D 30 Unit

**Thermal unit with Low NOx oil burner and steel boiler body.
Heating only**

- Main exchanger with two-pass steel vertical flue gas pipes
- Completely wet combustion chamber
- Complete with single stage oil burner with low pollutant emissions
- Control panel with large interface display and easy and intuitive parameter setting keys
- Including heating pump, expansion vessel, 3 bar pressure relief valve and water pressure switch
- Supplied in a single parcel packed in a wooden box complete with filter and oil line connection hoses
- Sliding temperature operating mode with outdoor probe (optional)
- The electronics of the generator can manage an external DHW storage tank (optional)
- Can be combined with the remote control timer
- Antifrost system with triggering threshold at 6°C

Boiler code

Boiler model

0QHL2YKD

KYRA D 30 UNIT

Technical data

MODEL			30
ERP Class		(Class G - A ⁺⁺)	
Max heat input	kW		26.6
Heating max heat output	kW		25.0
Pmax efficiency (80-60°C)	%		94.0
Efficiency 30% Pn	%		98.3
Max operating pressure heating	bar		3
Empty weight	Kg		115



ECO LOGIK

Cast-iron boiler, wood or coke fired as a standard, or can be converted to pellet operation through a suitable kit

- Pellet conversion kit can be chosen for pellet only permanent operation (single door) or for reversible pellet operation (double door)
- Generous combustion chamber and large loading door, with front access
- Adjustable smokes deflector on back flues outlet
- Stainless steel ash tray with easy front access
- Thermostatic regulator supplied as a standard, in order to control flow temperature and combustion quality as well as consumptions
- Available as an option a safety overtemperature kit in case boiler's temperature reaches 95°C

Boiler code Boiler model

01CJ3TWD	ECO LOGIK 3
01CJ4TWD	ECO LOGIK 4
01CJ5TWD	ECO LOGIK 5
01CJ6TWD	ECO LOGIK 6
01CJ7TWD	ECO LOGIK 7

Coupling table

GENERATOR		PELLET BURNER		
MODEL	CODE	MODEL	TYPE	CODE
ECO LOGIK 3	01CJ3TWD	ECO 3.4 PN	Modulation	0U2F6DXD
ECO LOGIK 4	01CJ4TWD	ECO 3.4 PN	Modulation	0U2F6DXD
ECO LOGIK 5	01CJ5TWD	ECO 5.5 PN	Modulation	0U2F8DXD
ECO LOGIK 6	01CJ6TWD	ECO 5.5 PN	Modulation	0U2F8DXD
ECO LOGIK 7	01CJ7TWD	ECO 5.5 PN	Modulation	0U2F8DXD

Accessories

Code	Description
032010X0	Safety valve + coil mod. 3 ¹
032011X0	Safety valve + coil mod. 4 ¹
032012X0	Safety valve + coil mod. 5 ¹
032013X0	Safety valve + coil mod. 6 ¹
032014X0	Safety valve + coil mod. 7 ¹
035003X1	Kit permanent pellet conversion ECO 3.4 PN (ECO LOGIK 3-4) ²
035005X0	Kit permanent pellet conversion ECO 5.5 PN (ECO LOGIK 5-7) ²
035004X0	Kit reversible pellet conversion ECO 3.4 PN (ECO LOGIK 3-4) ³
035006X0	Kit reversible pellet conversion ECO 5.5 PN (ECO LOGIK 5-7) ³

¹ Mandatory in EU in case of wood or coke operation

² Consists in burner plate to be hinged on right side of the boiler

³ Consists in burner plate to be hinged on left side of the boiler, complete with microswitch

Technical data

MODEL			3	4	5	6	7
ERP Class	(Class G - A++)		A+	A+	A+	A+	A+
Heat output	wood	kW	19.0	27.0	36.0	43.0	50.0
	coke	kW	22.5	32.5	42.5	52.5	63.5
	pellet	kW	22.0	30.0	36.0	42.0	48.0
Elements		No.	3	4	5	6	7
Efficiency EN 303-5	wood-coke	class	3	3	3	3	3
	pellet	class	5	5	5	5	5
Burner matching			ECO 3.4 PN	ECO 3.4 PN	ECO 5.5 PN	ECO 5.5 PN	ECO 5.5 PN
Water content		litres	26	30	34	38	42
Chamber content		dm ³	48	68	88	108	128
Heating operating pressure	Max	bar	4	4	4	4	4
Empty weight		kg	193	241	289	337	385
Dimensions	WxHxD	mm	520x940x423	520x940x533	520x940x643	520x940x753	520x940x863



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