



Light oil burners

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



LOW
NO_x

Focus Pro

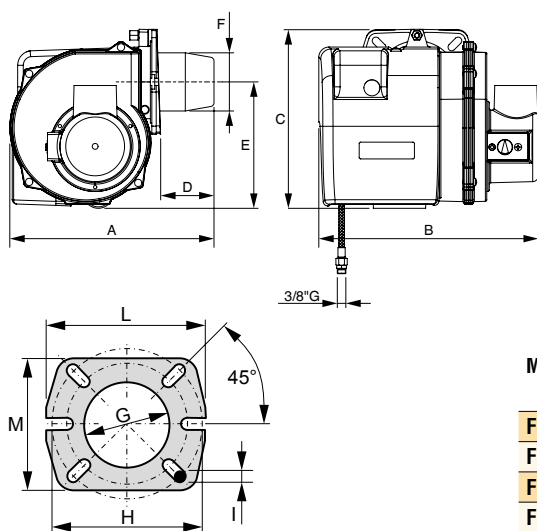
Low NO_x single-stage light oil burners

- 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

Dimensions (in mm)



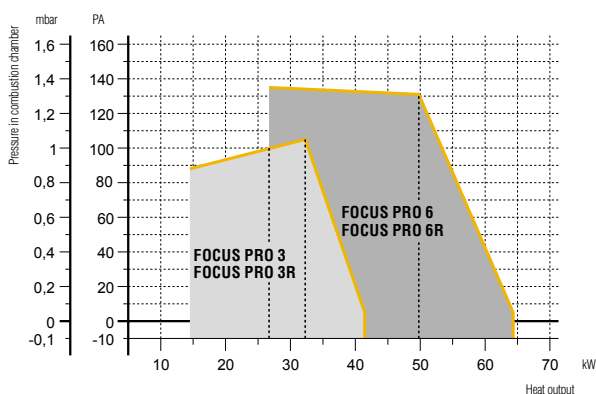
Focus Pro

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

Model	G Ø mm	H (min) Ø mm	H (max) Ø mm	I Ø mm	L Ø mm	M cm	Weight 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 range



Technical data

Model	Flow rate kg/h	Heat output kW	Motor 230V ~ 50Hz	A mm	B mm	C mm	D mm	E mm	F 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



LOW
NO_x

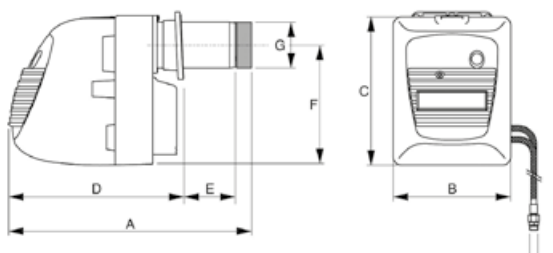
Eco Pro/2

Low NO_x two-stage light oil burners

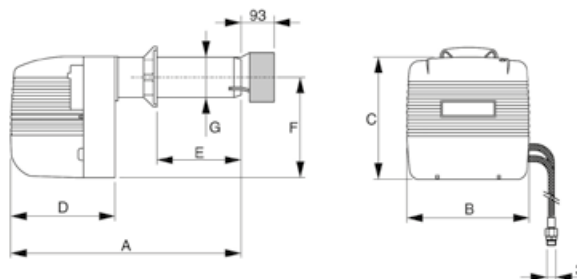
- Very low polluting emissions (lower than required by Class 3 - EN 267 <120 mg/kWh)
- Two-stage operation with pressure gradient
- Electric servo control on the air damper
- The entire series is fitted with sliding flange

Dimensions (in mm)

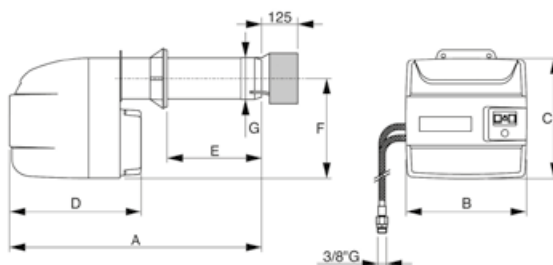
Eco Pro 9/2 - 14/2



Eco Pro 20/2



Eco Pro 30/2



Eco Pro/2

Burner code	Burner model
0U3SCAXD	ECO PRO 9/2
0U3SEAXD	ECO PRO 14/2
0U3SFAXD	ECO PRO 20/2
0U3SGAXD	ECO PRO 30/2

NB: products available on stock

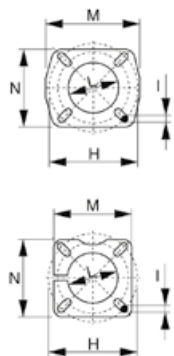
Technical data

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

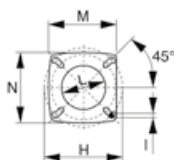
“Low NOx” light oil burners

Coupling flange and Weight

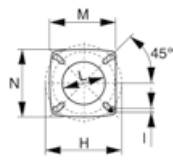
Eco Pro 9/2 - 14/2



Eco Pro 20/2



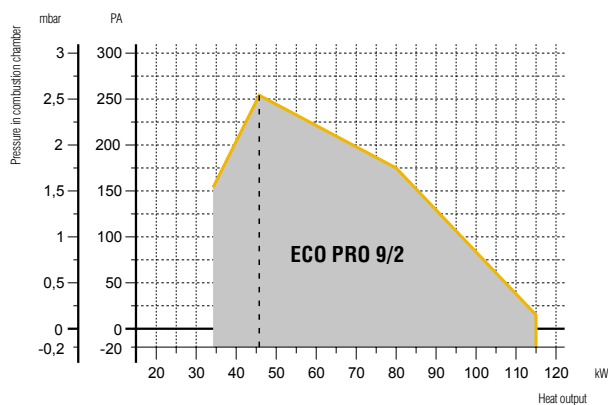
Eco Pro 30/2



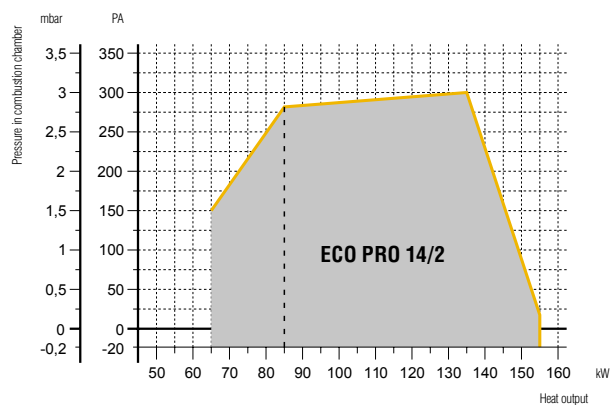
Model	H Ø mm	L Ø mm	M Ø mm	N Ø mm	Weight kg
ECO PRO 9/2	140 - 180	95	180	154	11.5
ECO PRO 14/2	150 - 200	105	166	166	15
ECO PRO 20/2	160 - 226	135	214	205	21
ECO PRO 30/2	172 - 225	160	214	205	28

Working range

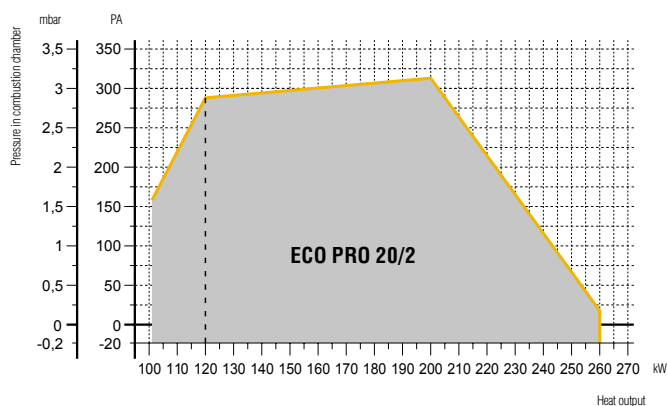
Eco Pro 9/2



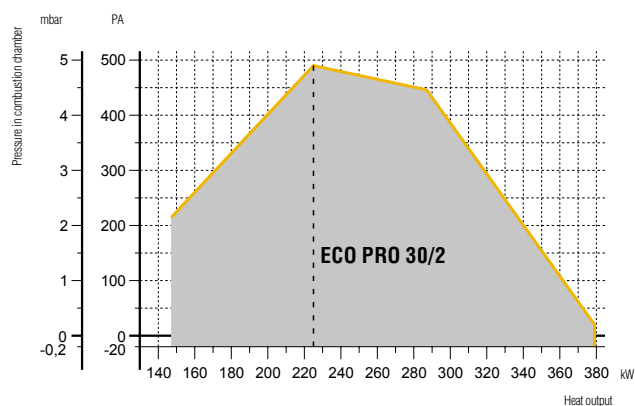
Eco Pro 14/2



Eco Pro 20/2



Eco Pro 30/2





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

Eco R models with pre-heater

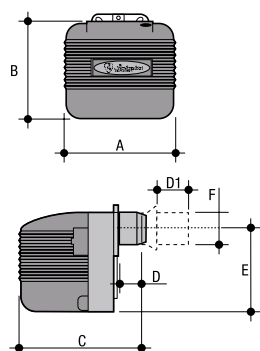
Z300840017	ECO 3R
Z300841231	ECO 5RN
Z300840413	ECO 7R

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)

Dimensions (in mm)

Eco, Eco R

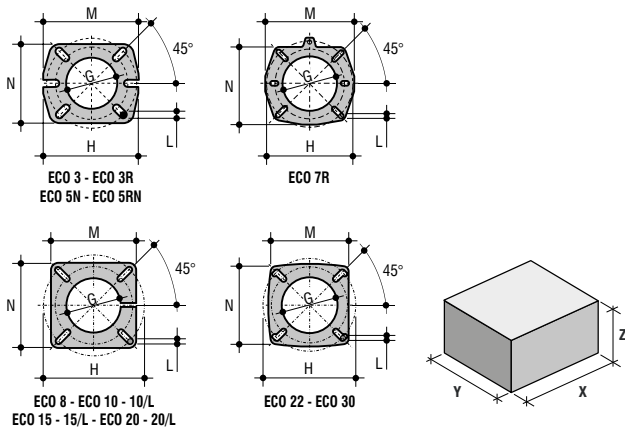


Technical data

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	-

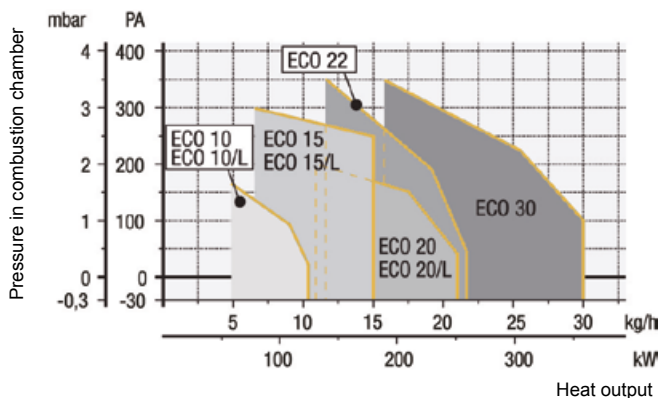
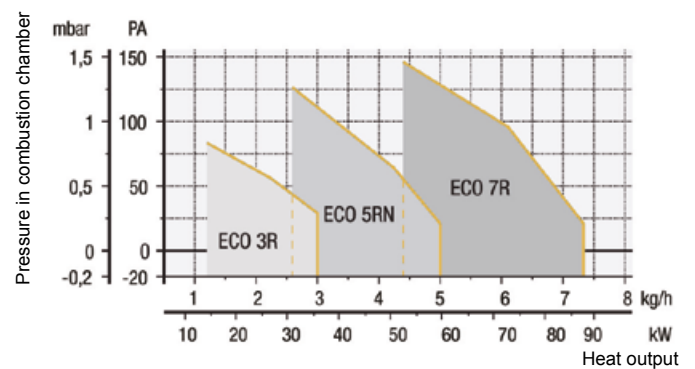
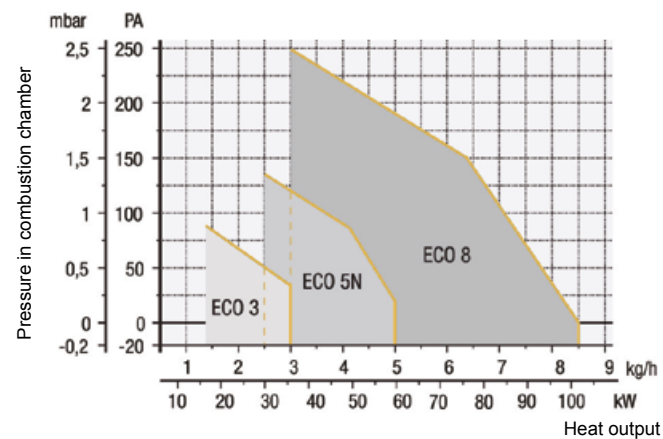
Light oil burners

Connection flange, Packaging and Weight



Model	G Ø mm	H Ø mm	L Ø mm	M Ø mm	N Ø mm	Dimensions XYZ cm	Weight 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

Working range





Eco/2

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

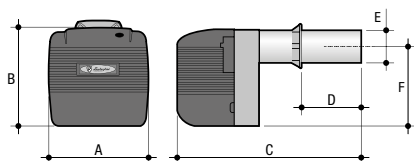
Burner code Burner model

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

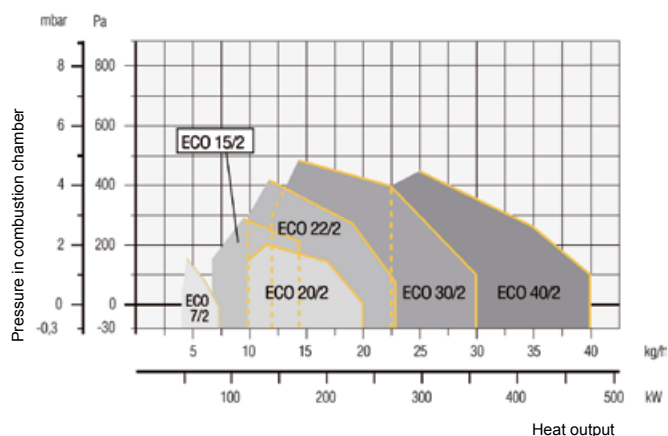
NB: products available on stock

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)

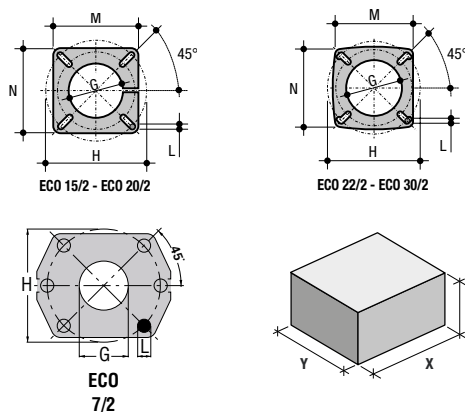
Dimensions (in mm)



Working range



Connection flange, Packaging and Weight



Model	G Ø mm	H Ø mm	L mm	M mm	N mm	Dimensions X Y Z cm	Weight 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

Technical data

Model	Flow rate kg/h	Heat output kW	Motor 230V ~ 50Hz	A mm	B mm	C mm	D mm	E Ø mm	F 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

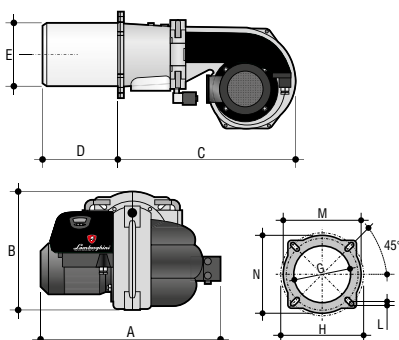


2ST **3ST**

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

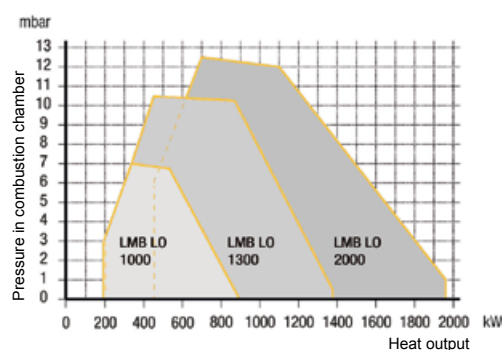
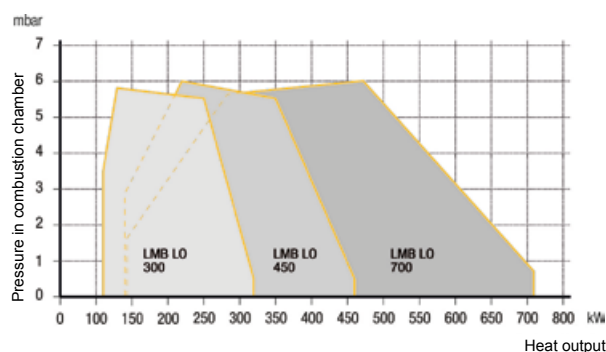
NB: The burners of the LMB LO 300 series can only be sold and installed in conformity with EU regulation 813/2013 (Art. 1, Paragraph 2, Section G)

Dimensions, connection flange



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 LO 300 BC	480	340	370	230	124	135	194 ÷ 234	M12	216	216
LMB LO 300 BL	480	340	370	300	124	135	194 ÷ 234	M12	216	216
LMB LO 450 BC	480	340	370	230	138	150	194 ÷ 234	M12	216	216
LMB LO 450 BL	480	340	370	300	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 range



Technical data

Model	Flow rate kg/h	Heat output kW	Motor 230V/400V ~ 50Hz	Packaging dimensions cm	Weight kg
LMB LO 300 BC / BL	9,7 ÷ 30,4	115 ÷ 360	370 W monofase	70 x 60 x 60	18
LMB LO 450 BC / BL	11,8 ÷ 39,6	140 ÷ 470	370 W monofase	70 x 60 x 60	18
LMB LO 700 BC / BL	11,4 ÷ 59,4	135 ÷ 704	750 W trifase	102 x 60 x 44	32
LMB LO 1000 BC / BL	16,1 ÷ 80,0	192 ÷ 950	1100 W trifase	102 x 60 x 44	33
LMB LO 1300	41,1 ÷ 115,0	201 ÷ 1370	2200 W trifase	104 x 68 x 56	41
LMB LO 2000	59,8 ÷ 166,0	452 ÷ 1976	3000 W trifase	104 x 68 x 56	42



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.

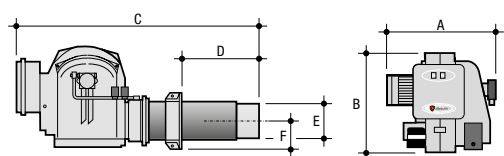
Burner code Burner model

Z300802101 **PG 180/2**

Z300802151 **PG 250/2**

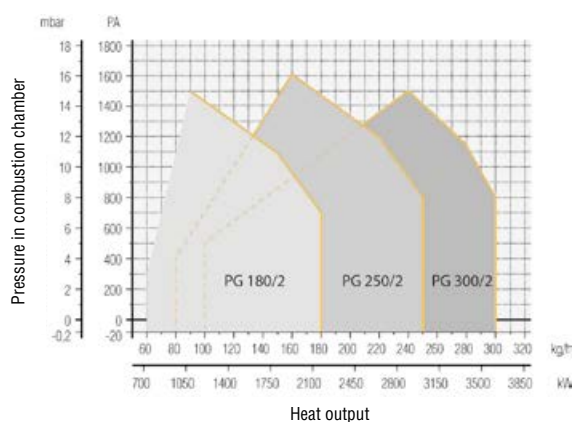
Z300802201 **PG 300/2**

Technical data

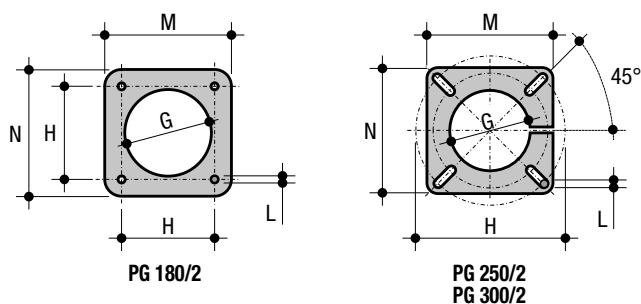


Model	Flow rate	Heat output	Motor	A	B	C	D	E	F
	kg/h	kW	230V ~ 50Hz	mm	mm	mm	mm	Ø mm	mm
PG 180/2	60 ÷ 180	711.6 ÷ 2,135	4,785 W three	870	700	1,64	200 ÷ 520	246	160
PG 250/2	80 ÷ 250	949 ÷ 2,965	7,360 W three	860	700	1,7	250 ÷ 600	304	200
PG 300/2	100 ÷ 300	1,186 ÷ 3,558	7,360 W three	860	700	1,7	250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

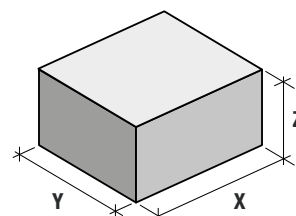
Working range



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

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



Em LN

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

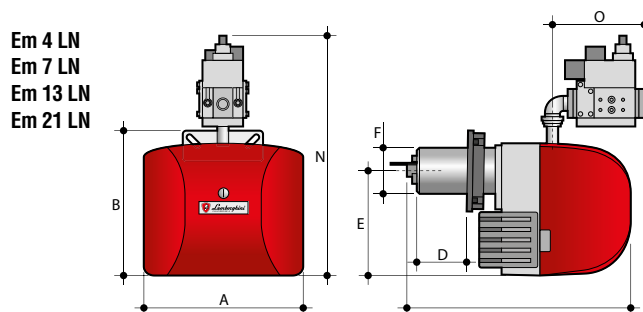
- Operating with natural gas
- Gas train with stabiliser, double valve and filter
- Adjustable combustion head
- Internal combustion air regulator (mod. Em 4 LN - Em 7 LN), or internal (mod. EM 13 LN - EM 21 LN)
- Air damper with gravity closure when stopped
- Stabilised ventilation
- Accessories assembly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

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

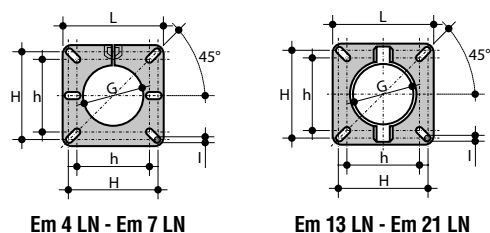
Burner code	Burner model
0U3C7CXD	EM 4 LN 15
0U3C7DXD	EM 4 LN 15 L
0U3C9AXD	EM 7 LN 15
0U3C9BXD	EM 7 LN 15 L
0U3C9CXD	EM 7 LN 20
0U3C9DXD	EM 7 LN 20 L
0U3CCAXD	EM 13 LN 20
0U3CCBXD	EM 13 LN 20 L
0U3CDAXD	EM 21 LN 20
0U3CDBXD	EM 21 LN 20 L
0U3CDCXD	EM 21 LN 25
0U3CDDXD	EM 21 LN 25 L

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

Dimensions (in mm)



Flange and connection



Model	A mm	B mm	C mm	D (min-max) mm	E mm	F Ø mm	N mm	O mm	G Ø mm	h - H Ø mm	I mm	L 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

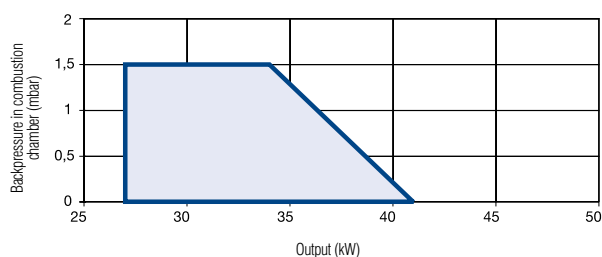
Technical data

Model	Natural Gas Flow Rate	Minimum Pressure Natural Gas	Heat output	Motor	Fan motor absorption	Gas train connection
	m³/h	mbar*	kW			
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"

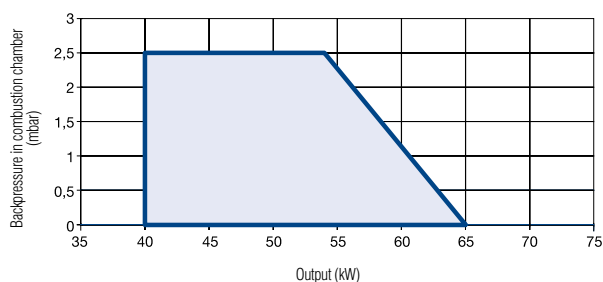
* Minimum gas pressure to obtain maximum burner output with 0 mbar pressure in the combustion chamber

Working ranges

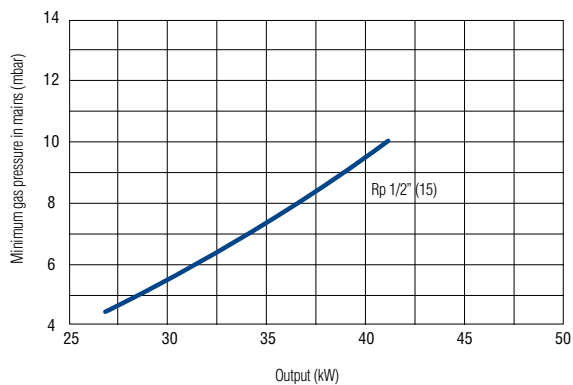
Em 4 LN



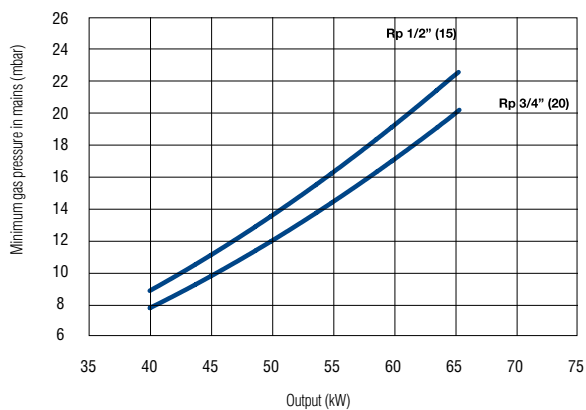
Em 7 LN



Em 4 LN



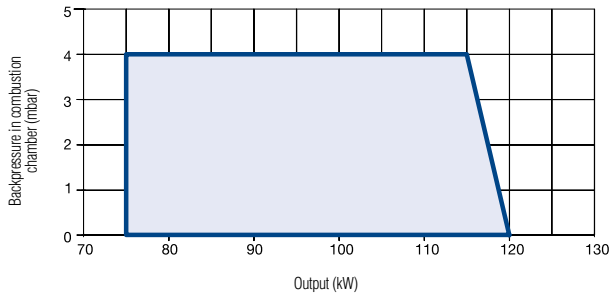
Em 7 LN



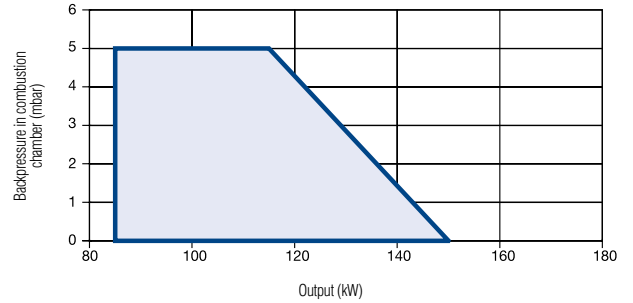
"Low NOx" gas burners

Working ranges

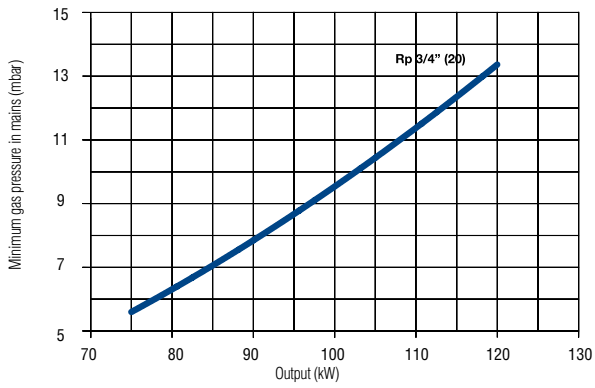
Em 13 LN



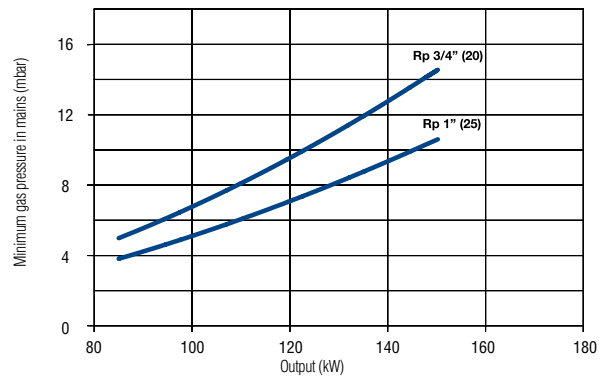
Em 21 LN



Em 13 LN



Em 21 LN





LOW
NOx

Em LN/AB - Em LN/PR

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

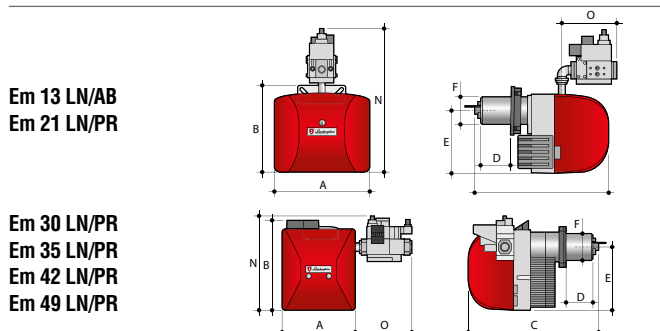
- Optional continuous modulation operation by applying the modul kit (on demand)
- Operating with natural gas
- Gas train with stabiliser, double valve and filter
- Adjustable combustion head
- Electric servo control on the air damper and stabilised ventilation
- Adjustment of the gas flow rate through 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"

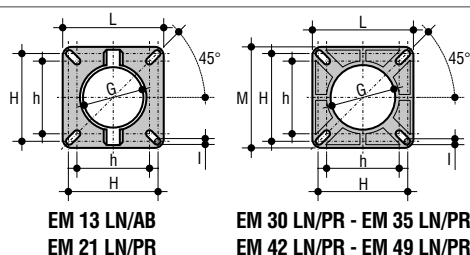
Burner code	Burner model
OU3BCAXD	EM 13 LN AB 20
OU3BCBXD	EM 13 LN AB 20 L
OU3BDAXD	EM 21 LN PR 25
OU3BDBXD	EM 21 LN PR 25 L
OU3BEAXD	EM 30 LN PR 25
OU3BEBXD	EM 30 LN PR 25 L
OU3BECXD	EM 30 LN PR 32
OU3BEDXD	EM 30 LN PR 32 L
OU3BEEXD	EM 30 LN PR 40
OU3BEFXD	EM 30 LN PR 40 L
OU3BFAXD	EM35 LN PR 25
OU3BFCXD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

Dimensions (in mm)



Flange and connection



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

"Low NOx" gas burners

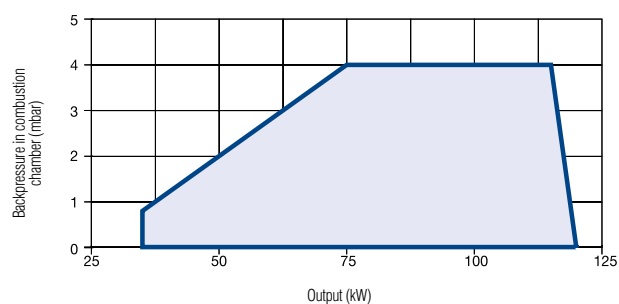
Technical data

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"

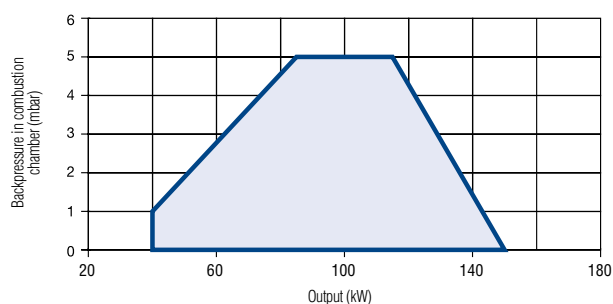
* Minimum gas pressure to obtain maximum burner output with 0 mbar pressure in the combustion chamber

Working ranges

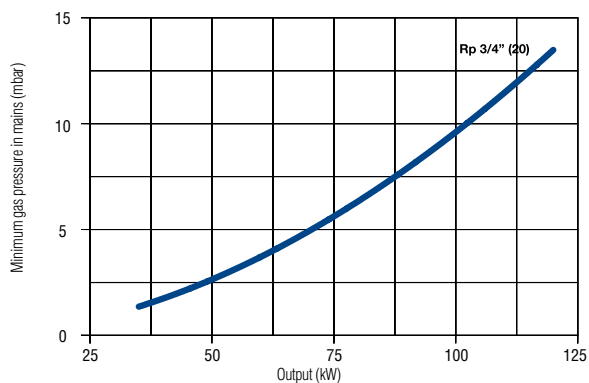
Em 13 LN AB



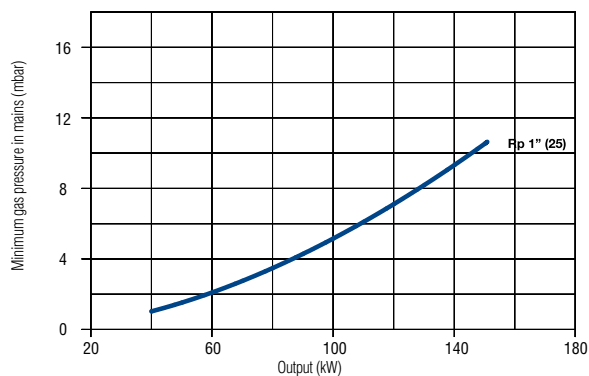
Em 21 LN PR



Em 13 LN AB

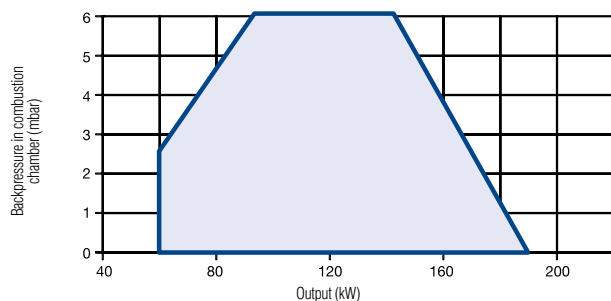


Em 21 LN PR

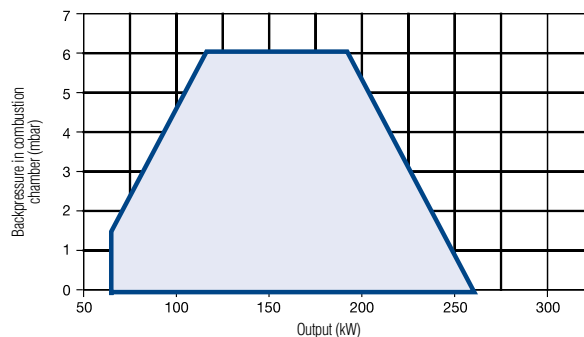


Working ranges

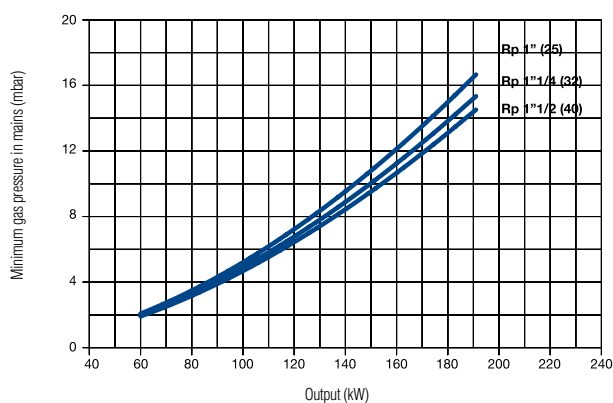
Em 30 LN PR



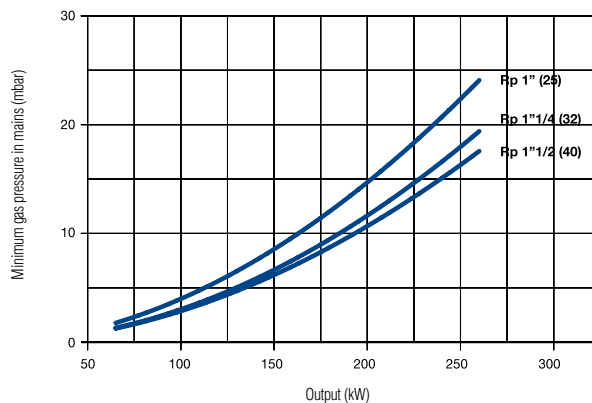
Em 35 LN PR



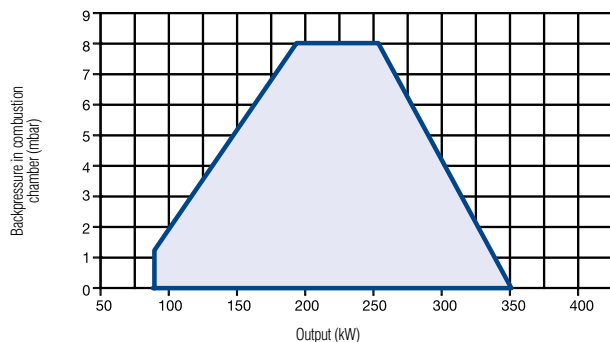
Em 30 LN PR



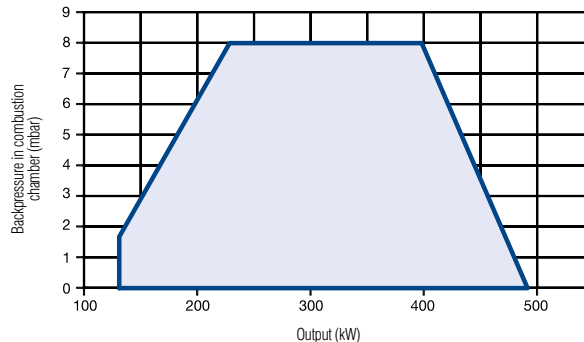
Em 35 LN PR



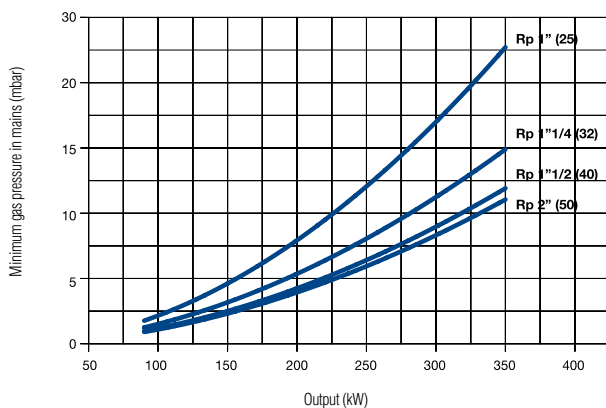
Em 42 LN PR



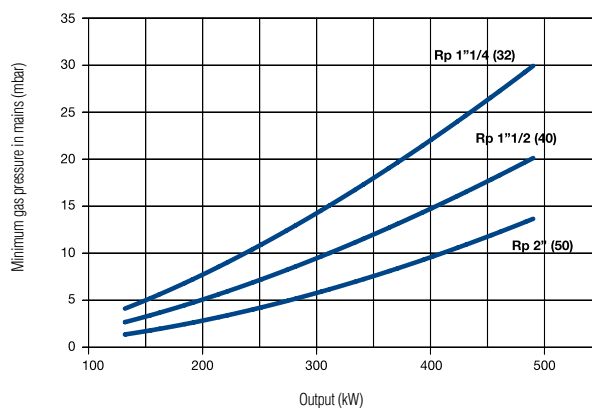
Em 49 LN PR



Em 42 LN PR

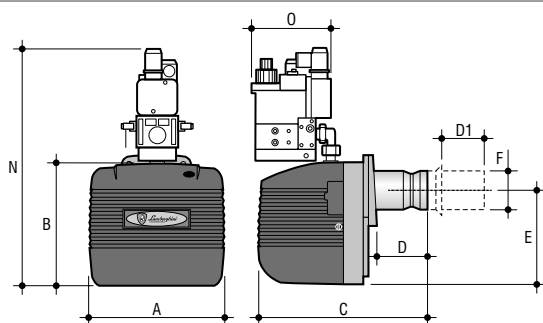


Em 49 LN PR





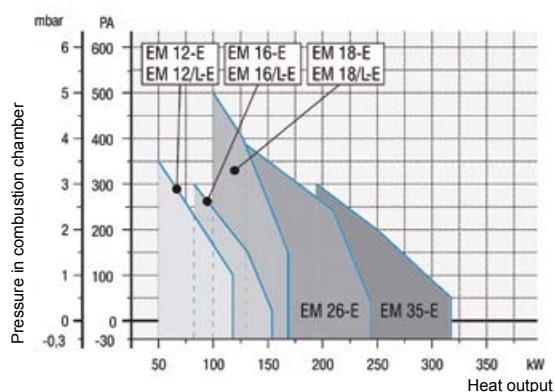
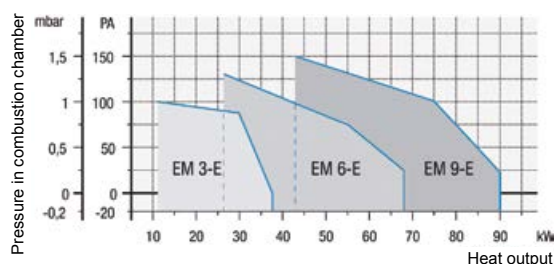
Dimensions (in mm)



Model	A	B	C	D	D1	E	F	N*	O*
	mm	mm	mm	mm	mm	mm	Ø mm	mm	mm
EM 3-E	250	215	320	90	—	160	80	410	145
EM 6-E	280	247	342	90	—	195	80	410	145
EM 9-E	280	247	417	—	40-140	195	90	445	145
EM 12-E	230	285	483	—	60-125	232	114	485	240
EM 12/L-E	230	285	633	—	60-275	232	114	485	240
EM 16-E	310	282	480	—	60-150	215	108	465	210
EM 16/L-E	310	282	480	—	60-250	215	108	465	210
EM 18-E	275	340	550	—	60-150	274	114	540	240
EM 18/L-E	275	340	675	—	60-275	274	114	540	240
EM 26-E	360	350	750	—	100-265	275	140	550	240
EM 35-E	420	423	880	—	120-310	350	140	740	260

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

Working ranges



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 (excluding 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)

Accessories on demand

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

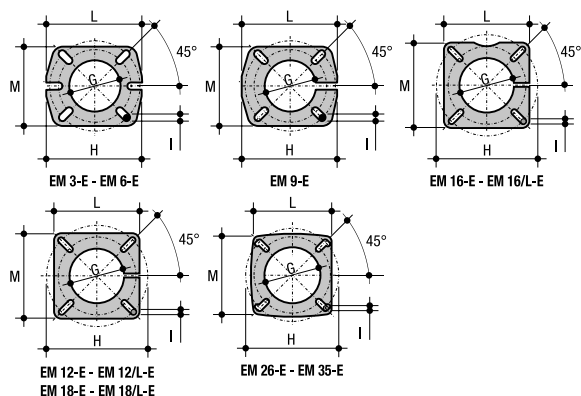
Burner code Burner model

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
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)

Flange and connection



Model	G Ø mm	H Ø mm	I Ø mm	L Ø mm	M Ø mm
EM 3-E	85	135-160	M8	170	144
EM 6-E	85	135-160	M8	170	144
EM 9-E	95	135-160	M8	180	154
EM 12-E	120	155-210	M8	180	180
EM 12/L-E	120	155-210	M8	180	180
EM 16-E	115	150-200	M8	166	166
EM 16/L-E	115	150-200	M8	166	166
EM 18-E	120	155-210	M8	180	180
EM 18/L-E	120	155-210	M8	180	180
EM 26-E	155	172-225	M10	205	205
EM 35-E	155	172-225	M10	205	205

Technical data

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
	m ³ /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.

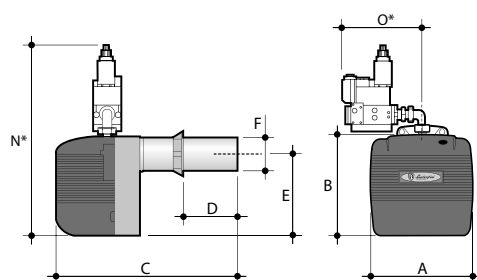


Em/M-E

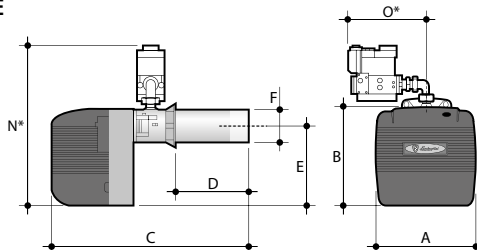
Em/2-E

Dimensions (in mm)

Em/2-E



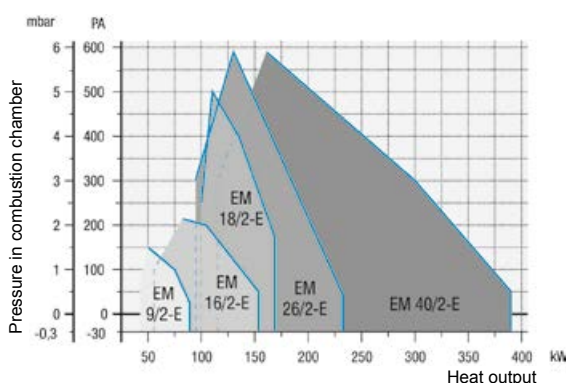
Em/M-E



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

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

Working ranges



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

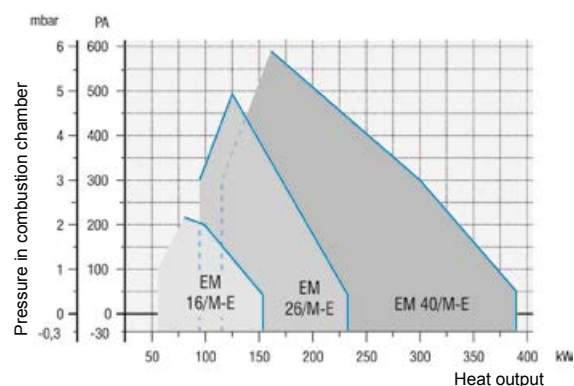
Burner code	Burner model
Z300860322	EM 9/2-E.D3
Z300860421	EM 16/2-E.D3
Z300860431	EM 16/2-E.D4
Z300874160	EM 16/2-L-E.D4
Z300860453	EM 18/2-E.D6
Z300860463	EM 18/2-E.D3
Z300860531	EM 26/2-E.D6
Z300860541	EM 26/2-E.D3
Z300860551	EM 26/2-E.D4
Z300870252	EM 40/2-E.D7
Z300870262	EM 40/2-E.D4

EM/M-E

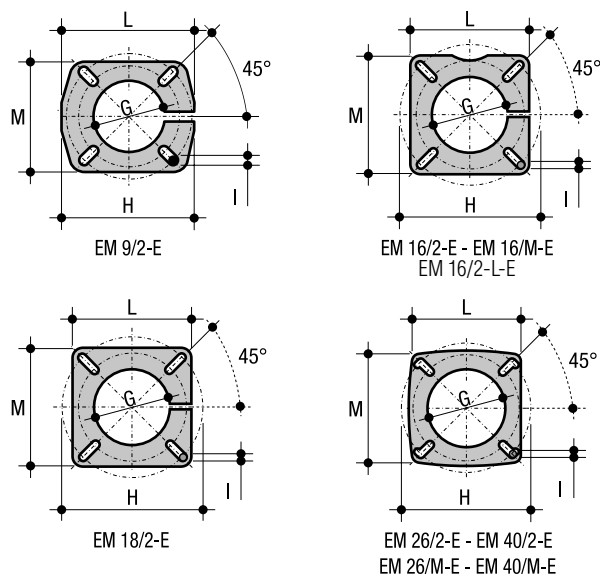
Burner code	Burner model
Z300872210	EM 16/M-E.D4
Z300860571	EM 26/M-E.D7
Z300860581	EM 26/M-E.D4
Z300860591	EM 26/M-E.D5
Z300870292	EM 40/M-E.D7
Z300870302	EM 40/M-E.D4
Z300870312	EM 40/M-E.D5

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)



Flange and connection



Model	G Ø mm	H Ø mm	I Ø mm	L Ø mm	M 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

Technical data

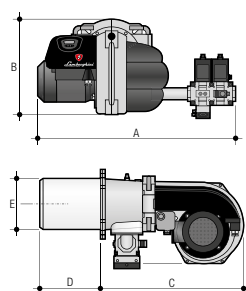
Model	Flow rate m³/h	Heat output kW	Motor 230V ~ 50Hz	Mains connection Ø	Valve size Ø	Nat. gas min. press. mbar*	LPG min. press. mbar*	Max. press. mbar**	Weight (body+ gas train) kg	LPG Kit Accessory code
EM 9/2-E.D3	4.3-9	43-89.5	100 W single	3/4"	1/2"	18	19	360	14 + 3.6	
EM 16/2-E.D3	5.5-15.3	55-153	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.



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)

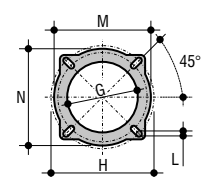
Dimensions (in mm)



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

Model	A*	B	C	D	E
	mm	mm	mm	mm	Ø mm
LMB G 300 BC	805	340	370	230	124
LMB G 300 BL	805	340	370	300	124
LMB G 450 BC	805	340	370	230	138
LMB G 450 BL	805	340	370	300	138
LMB G 700 BC	950	370	540	235	166
LMB G 700 BL	950	370	540	325	166
LMB G 1000 BC	850	370	540	230	196
LMB G 1000 BL	850	370	540	350	196
LMB G 1300	1.070	440	620	340	232
LMB G 2000	1.070	440	620	340	244

Flange and connection



Model	G	H	L	M	N
	Ø mm	Ø mm	mm	mm	mm
LMB G 300 (BC e BL)	135	194÷234	M12	216	216
LMB G 450 (BC e BL)	150	194÷234	M12	216	216
LMB G 700 (BC e BL)	180	246÷286	M12	268	268
LMB G 1000 (BC e BL)	205	246÷286	M12	268	268
LMB G 1300	255	294÷334	M12	316	316
LMB G 2000	255	294÷334	M12	316	316

Peculiar characteristics



Air damper



Control, regulation and safety panel

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

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 BC - K 1" (VCV-L 225)
0U45GDxD	LMB G 300 BL - K 1" (VCV-L 225)
Z300873770	LMB G 300 BC - K 1" (VCV-L 125)
0U45GBxD	LMB G 300 BL - K 1" (VCV-L 125)
Z300873810	LMB G 450 BC - K 1" (VCV-L 225)
0U45IDxD	LMB G 450 BL - K 1" (VCV-L 225)
Z300873800	LMB G 450 BC - K 1" (VCV-L 125)
0U45IBxD	LMB G 450 BL - K 1" (VCV-L 125)

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 2" (VGD 20.403)
Z300872690	LMB G 1000 BL - S 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 2" (VGD 20.403)
Z300872890	LMB G 2000 - S 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.

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

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

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

Technical data

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)	
	m³/h	kW	230V ~ 50Hz	Ø	Ø	mbar*	mbar*	mbar**	kg	
LMB G 300 BC (K 1"-225)	11,6÷33,9	110÷320	370 W mon.	1"	1 1/2"	20	19	500	18+14	-
LMB G 300 BL (K 1"-225)	11,6÷33,9	110÷320	370 W mon.	1"	1 1/2"	20	19	500	18+14	-
LMB G 300 BC (K 1"-125)	11,6÷33,9	110÷320	370 W mon.	1"	1"	24	21	500	18+12	-
LMB G 300 BL (K 1"-125)	11,6÷33,9	110÷320	370 W mon.	1"	1"	24	21	500	18+12	-
LMB G 450 BC (K 1"-225)	14,8÷48,7	140÷460	370 W mon.	1"	1 1/2"	20	16	500	18+14	-
LMB G 450 BL (K 1"-225)	14,8÷48,7	140÷460	370 W mon.	1"	1 1/2"	20	16	500	18+14	-
LMB G 450 BC (K 1"-125)	14,8÷48,7	140÷460	370 W mon.	1"	1"	21	20	500	18+14	-
LMB G 450 BL (K 1"-125)	14,8÷48,7	140÷460	370 W mon.	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 tri.	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 tri.	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 tri.	2"	2"	20	-	500	31+17	Z308028360
LMB G 1000 BL - K 2"	16,0÷103,0	152÷979	1.100 W tri.	2"	2"	20	-	500	31+17	Z308028370
LMB G 1000 BC - S 2"	16,0÷103,0	152÷979	1.100 W tri.	2"	1 1/2"	18	-	600	31+14	Z308028360
LMB G 1000 BL - S 2"	16,0÷103,0	152÷979	1.100 W tri.	2"	1 1/2"	18	-	600	31+14	Z308028370
LMB G 1300 - K 2"	25,0÷136,5	237÷1.296	2.200 W tri.	2"	2"	22	-	500	45+17	Z308028380
LMB G 1300 - S 2"	25,0÷136,5	237÷1.296	2.200 W tri.	2"	2"	14	-	600	45+15	Z308028380
LMB G 1300 - S 2"	25,0÷136,5	237÷1.296	2.200 W tri.	2"	1 1/2"	19	-	600	45+14	Z308028380
LMB G 2000 - S 2"	36,5÷202	336÷1.918	3.000 W tri.	2"	1 1/2"	40	-	600	48+14	Z308028390
LMB G 2000 - K 2"	36,5÷202	336÷1.918	3.000 W tri.	2"	2"	45	-	500	48+18	Z308028390
LMB G 2000 - S 2"	36,5÷202	336÷1.918	3.000 W tri.	2"	2"	30	-	600	48+15	Z308028390
LMB G 2000 - S DN 65	36,5÷202	336÷1.918	3.000 W tri.	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 tri.	1 1/2"	1 1/2"	-	14	-	30+14	-
LMB G 700 BL - K 1 1/2"	14,0÷79,0	135÷748	740 W tri.	1 1/2"	1 1/2"	-	14	-	30+14	-
LMB G 1000 BC - S 2"	16,0÷103,0	152÷979	1.100 W tri.	1 1/2"	2"	-	30	-	31+14	-
LMB G 1000 BL - S 2"	16,0÷103,0	152÷979	1.100 W tri.	1 1/2"	2"	-	30	-	31+14	-
LMB G 1300 - S 2"	25,0÷136,5	237÷1.296	2.200 W tri.	1 1/2"	2"	-	30	-	45+15	-
LMB G 2000 - S DN 65	36,5÷202	336÷1.918	3.000 W tri.	DN 65	DN 65	-	28	-	48+20	-

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

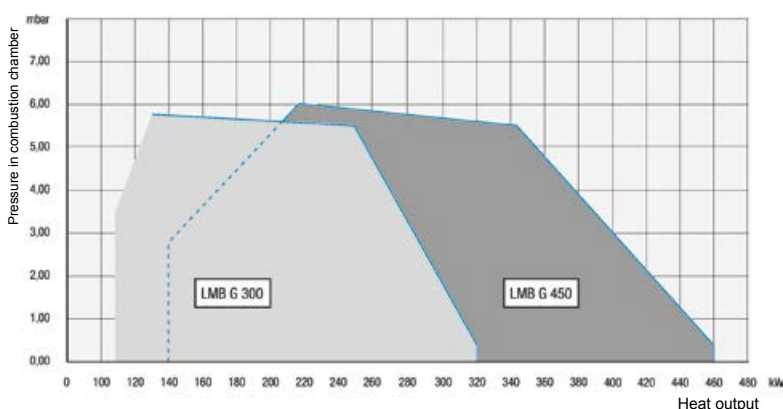
*** Maximum thermal output with VCV-L 125, 580 kW.

Working ranges

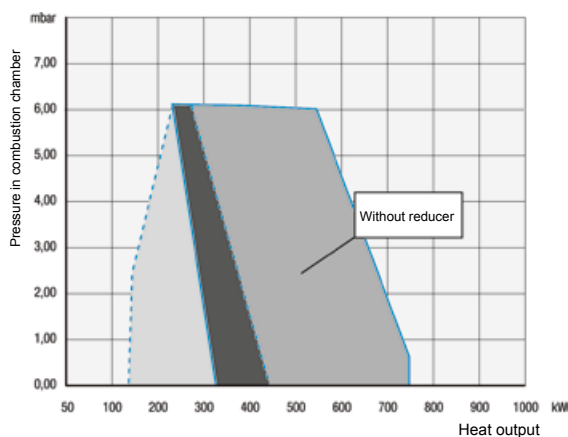
The working range was obtained at an ambient temperature of 15°C, at an atmospheric pressure of 1013.5 mbar (at 0 metres above sea level).

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

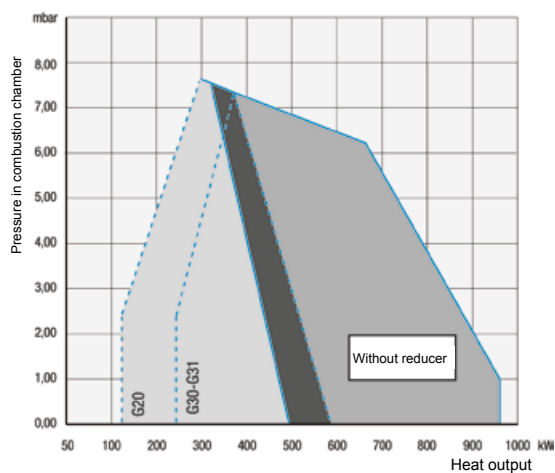
LMB G 300 and 450



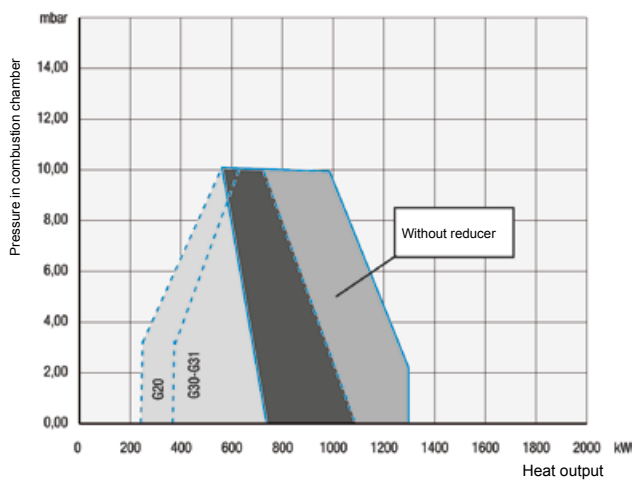
LMB G 700



LMB G 1000

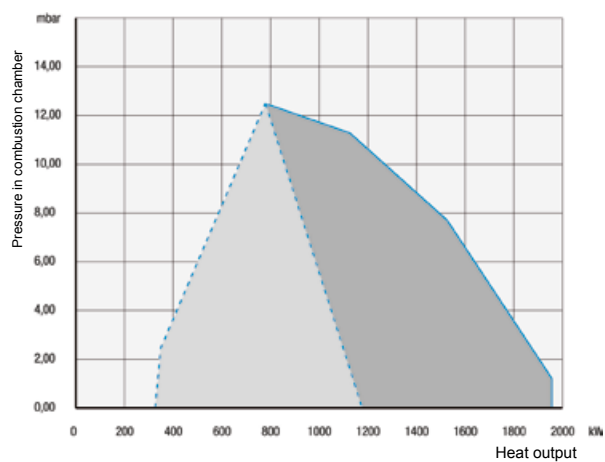


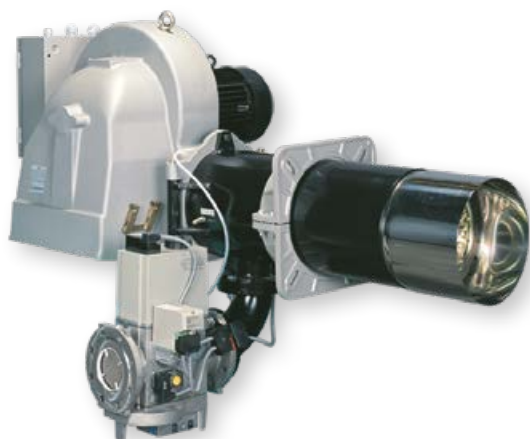
LMB G 1300



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

LMB G 2000





PM M-E

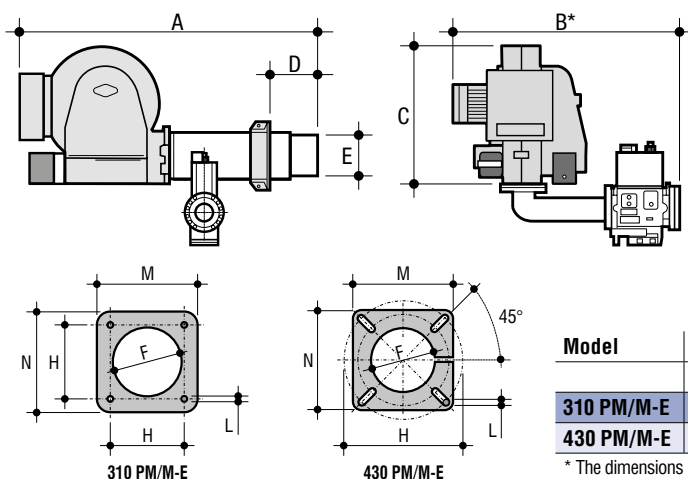
Progressive two-stage burners

- 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

Technical data



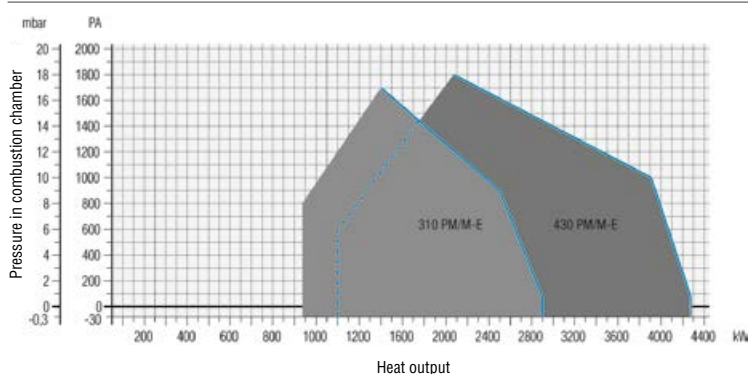
Burner code Burner model

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	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.

Working curves



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.

Gas burner accessories



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

**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



Gas burners



Pellet burners

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



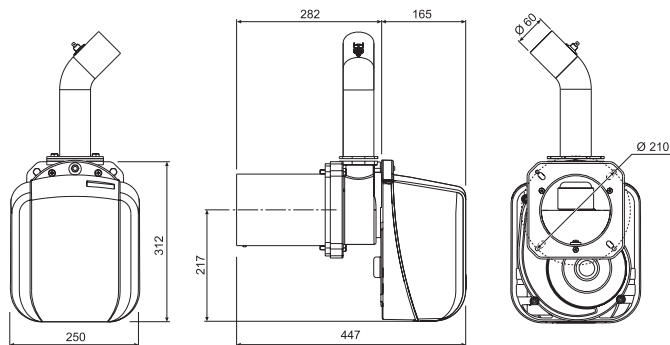
Eco PN

Pellet burner

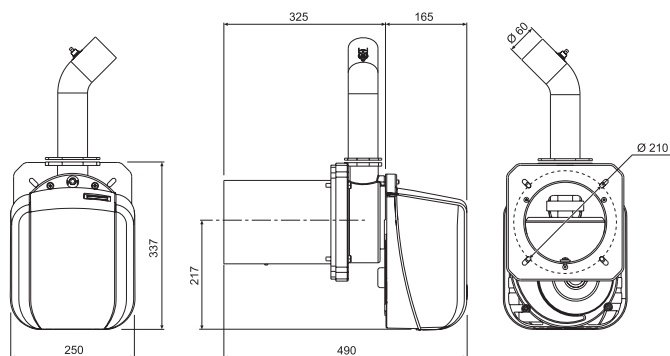
- Ultra compact pellet burner, supplied with the automatic loading system, complete with motor and feeding screw
- The electronic control system is comprised of two main components: The PCB integrated for ignition and control of the burner and the central heating management, central heating pump, DHW 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

Technical data

ECO 3.4 PN



ECO 5.5 PN



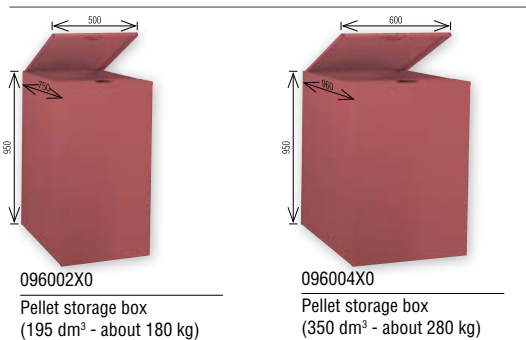
Boiler/burner coupling

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

Model	Heat capacity Max - Min kW	Fuel delivery Max - Min kg/h	Electrical protection rating IP	Power voltage/ frequency V/Hz	Electrical power input W	Igniter electric power 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 kg	Hopper capacity litres	Hopper content kg	Max pellet dimension		Combustion chamber negative pressure mbar
				Ø mm	length mm	
3.4 PN	11	195	140	6	35	-0,2
5.5 PN	13.5	323	226	6	35	-0,2

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