



Lamborghini
CALORECLIMA



AXE 3 and AXE 3D

Three-pass cast iron floor
standing boilers



UK

Three-pass cast iron floor standing boilers AXE3 – AXE 3 D

AXE 3 and AXE 3 D are high-efficiency heat generators for domestic hot water production (optional) and heating, suitable for operation with blown oil or gas burners. The boiler shell consists of cast-iron elements, assembled with double cones and steel stays.
 AXE 3, with energetic efficiency **, equipped of easy control panel complete of thermometer, pressure gauge, ignition switch.
 AXE 3 D, with energetic efficiency ***, equipped of digital control panel, with evolved digital interface for viewing temperature, pressure gauge and setting function temperature range.

Three fume pass cast iron body

The boiler body is composed by high performing three-pass sections. Elements are studied in order to have 2 reversals of smoke before going out of the generator, obtaining a high energetic efficiency.



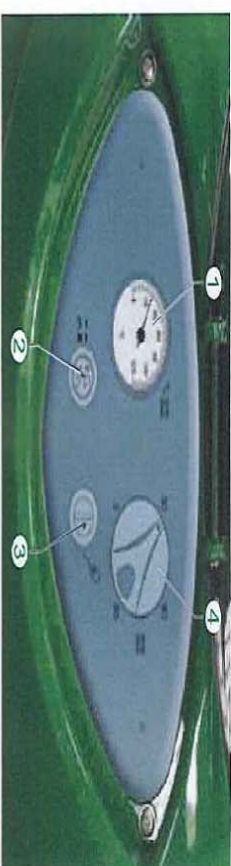
Insulation system

The insulation system of the cast iron boiler body is composed by a high density glass fibre cover, coated by an aluminium anti-flame skin. The casing is realized in pre-painted steel with cooking in furnace.



The burner is only for demonstration purposes

Analogic Control Panel (AXE 3)



AXE 3 allows to control the circulator system operation and to connect a room thermostat.

1. thermometer
2. ignition switch
3. manual reset safety thermostat
4. temperature adjustment knob

Remote chronothermostat (optional)

Model AXE 3 D is combined with a remote chronothermostat CRM, which allows to regulate and run the system from a distance.



Technical characteristic:

- installation in central heating.
- antifreeze system.
- steel casing painted through anaphoresis and epoxy powders.
- AXE 3 allows to control the circulator system operation and to connect a room thermostat.
- AXE 3 D allows to run all the main elements in a modern heating system, system and DHW circulators, outdoor sensor, boiler sensor and DHW remote timer control.
- possibility of installation of light oil, natural gas and gpl burners, whose choice must be taken with regard to operation range, fuel consumption and chamber pressures.



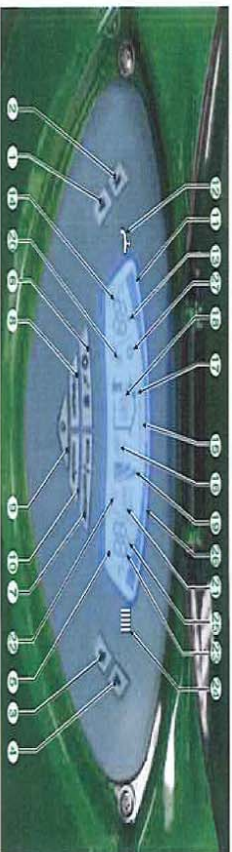
cast iron
body
3
fume pass

energetic
efficiency
★ ★ ★
version D

Series
antifreeze
up to -10 °C
Version D

- the front door can be easily open both on the right and on the left.
- AXE 3 D energetic efficiency class **★★★★**, according to CEE 92/42 directive.
- AXE 3 D possibility of sliding temperature operation by installing "Outdoor sensor" kit. This allows an energy saving, ensuring in any case maximum comfort to users.

Digital Control Panel (AXE 3 D)



AXE 3 D allows to run all the main elements in a modern heating system, system and DHW circulators, outdoor sensor, boiler sensor and remote timer control.

1. DHW temperature setting decrease button
2. DHW temperature setting increase button
3. heating system temperature setting decrease button
4. heating system temperature setting increase button
5. display
6. summer/winter mode selection button
7. economy/comfort mode selection button
8. reset button
9. unit on/off button
10. sliding temperature menu button
11. set DHW temperature reached
12. DHW symbol
13. DHW mode
14. DHW outlet temperature/setting
15. eco(economy) or comfort mode
16. external sensor temperature (with optional external probe)
17. appears on connecting the external probe or the remote timer control (optionals)
18. room temperature (with optional remote timer control)
19. burner on
20. winter mode
21. heating system pressure
22. fault
23. heating delivery temperature/setting
24. heating symbol
25. heating mode
26. set heating delivery reached
27. summer mode

The range

AXE 3
only heating generator
5 models from 32 to 98kw
★★★ according to 92/42 EEC



AXE 3 D
only heating generator
5 models from 32 to 90kw
★★★ according to 92/42 EEC



AXE 3 D UNIT
thermal heating groups coming from model AXE 3 only heating version (F) with DHW (CI) and boiler version (B1 00-B1 30).
★★★ according to 92/42 EEC



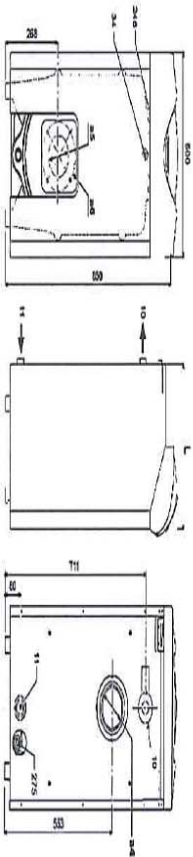
Technical Characteristic AXE 3

Model		32	41	63	80	98
Element number	n	3	4	5	6	7
Furnace power (Kcal/h)	min	14.620	29.490	39.380	50.730	64.490
	max	30.010	44.370	59.330	75.490	91.570
Thermal capacity (kW)	min	17	34,3	45,8	59,0	75,0
	max	34,9	51,6	69,0	87,8	106,5
Useful Power (Kcal/h)	min	13.760	27.520	36.970	47.290	60.190
	max	27.520	40.410	54.170	68.790	84.260
Heat output in heating (Kcal/h)	min	16	32	43	55	70
	max	32	64	86	110	140
Pmax efficiency (80 - 60°C)	%	91,6	91,5	91,5	91,5	92,1
Efficiency class directive 92/42 EEC	%	★	★	★	★	★
Heating water content	l/h	12,5	17	21,5	26	31
Empty weight	kg	133	175	216	259	301
Pressure loss on panel side	Mbar	0,05	0,2	0,3	0,5	0,6
Gas oil burners		00918620	00918630	00918640	00918650	00918660
	FIRE 3 / ECO 3	FIRE 6 / ECO 5N	FIRE 9 / ECO 8	FIRE 9 / ECO 8	FIRE 9 / ECO 8	ECO 10
Gas burners		FIRE 5 SE	EM6-E D1	EM9-E D2	EM9-E D2	EM12-E D6

Technical Characteristic AXE 3 D

Model		32	45	59	74	90
Element number	n	3	4	5	6	7
Furnace power (Kcal/h)	min	14.530	29.320	40.240	51.160	61.910
	max	29.490	41.440	54.080	67.760	82.290
Thermal capacity (kW)	min	16,9	34,1	46,8	59,5	72,0
	max	34,3	48,2	62,9	78,8	95,7
Useful Power (Kcal/h)	min	13.760	27.520	37.830	48.150	58.740
	max	27.520	38.690	50.730	63.630	77.390
Heat output in heating (Kcal/h)	min	16	32	44	56	68
	max	32	64	86	110	140
Pmax efficiency (80 - 60°C)	%	93,3	93,4	93,8	93,9	94
Efficiency class directive 92/42 EEC	%	★	★	★	★	★
Heating water content	l/h	12,5	17	21,5	26	31
Empty weight	kg	137	179	221	263	305
Pressure loss on panel side	Mbar	0,16	0,3	0,4	0,5	0,6
Gas oil burners		00918690	00918700	00918710	00918720	00918730
	FIRE 3 / ECO 3	FIRE 6 / ECO 5N	FIRE 9 / ECO 8	FIRE 9 / ECO 8	FIRE 9 / ECO 8	ECO 10
Gas burners		FIRE 5 SE	EM6-E D1	EM9-E D2	EM9-E D2	EM12-E D6

Dimensions

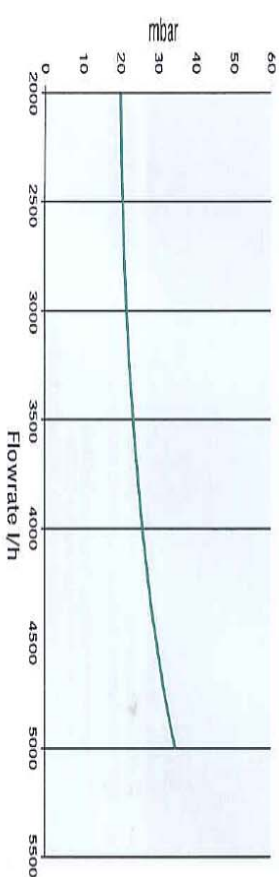


Model	A mm.	A4 flue connection Ø mm.	A5 burner hole Ø mm.	A6 burner fixing Ø mm.
AXE 3 32	400	120 ± 130	105	150
AXE 3 47	500	120 ± 130	105	150
AXE 3 63	600	120 ± 130	105	150
AXE 3 80	700	120 ± 130	105	150
AXE 3 98	830	120 ± 130	125	170
AXE 3 D 32	400	120 ± 130	105	150
AXE 3 D 45	500	120 ± 130	105	150
AXE 3 D 59	600	120 ± 130	105	150
AXE 3 D 74	700	120 ± 130	105	150
AXE 3 D 90	830	120 ± 130	125	170

10 System delivery - 1" 1/2"
 11 System return - 1" 1/2"
 275 System drain - 1/2"

a4 Flue connection
 a5 Burner hole
 a6 Burner fixing
 34 safety and heating temperature bulb

Work curves Pressure loss water side



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Sistema di Gestione Qualità certificato secondo UNI EN ISO 9001