

Forza Floor Standing Boiler

FCM50 and FCM100

Technical Data

FEATURES

- Condensing technology
- Type A Appliance
- Stainless steel heat exchanger (AISI 304L)
- Wide modulating range (1 : 20)
- 50kw or 100kw floor standing modules
- Integrated primary pump/s and hydraulic manifolds
- Cascade regulation & sequencing. RS485
- Webvisor accessory for remote supervision of heating plant
- External installations

		Forza 50	Forza 100
Order Code		FCM50	FCM100
Heat Output Max, 50/30	kW	53.4	106.8
Gas Consumption	MJ/hr	198	396
Eff 100% Pn - 80/60	%	98.37	98.37
Eff 100% Pn - 50/30	%	106.8	106.8
Eff 30% Pn - 80/60	%	102.8	102.8
Eff 30% Pn - 50/30	%	108.83	108.83
Max. Operating Pressure	kPa	300	300
Min. Operating Pressure	kPa	30	30
Flow & Return Connections	mm	DN100 PN6	DN100 PN6
Gas Connection (G)	mm	DN40 PN6	DN40 PN6
Condensate Connection	mm	Ø40	Ø40
Height	mm	1455	1455
Depth	mm	582	582
Width	mm	480	735
Weight	kg	105	150
Flue Outlet	mm	Ø80	Ø100
Noise Rating	dB	52	52
Adjustable CH Range	°C	30-80 / 25-45	30-80 / 25-45
Max. Operating Temp.	°C	95	95
NOx Class	class	6	6
Max Absorbed Power	W	324	540
Elec Consumption - boiler off	W	10.5	14



The Forza appliances are floor standing condensing boilers designed for heating purposes.

Available as 50kw or 100kw modules with up to 1:20 modulation, they provide unrivalled flexibility and performance from a small footprint.

Individual modules are simply connected by means on hydraulic manifolds for the gas and flow & return connections.

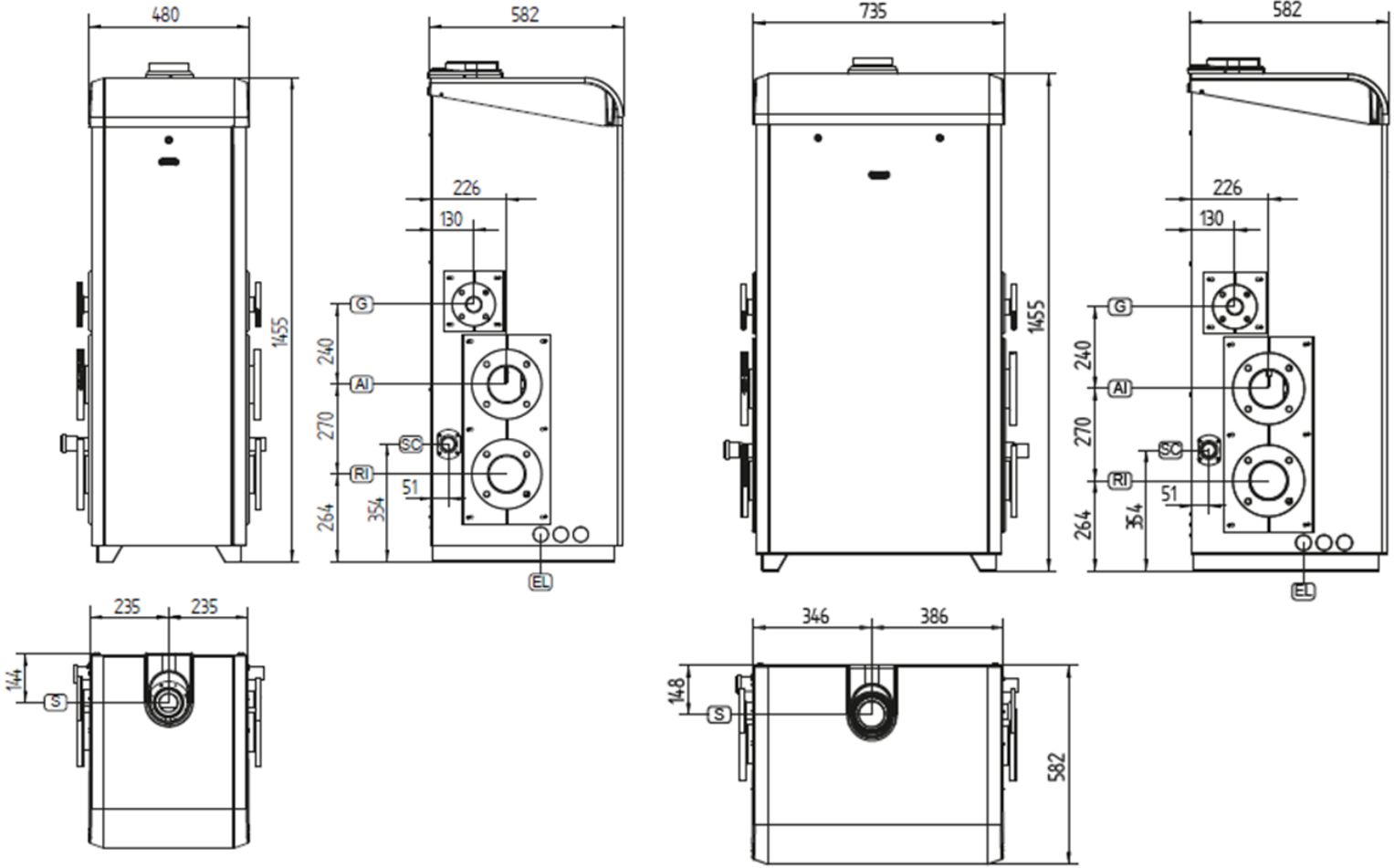
The Forza range features integrated pump/s with PWM control which works in conjunction with the PCB, fan and burner to control the ΔT and maximise efficiency.

These appliances can be electronically cascaded to meet the required demand (up to 800kw).

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The Forza range feature With multiple options for external applications, the Forza series is the perfect solution for purposes such as underfloor heating, pool/spa heating, HVAC applications and DHW via an Aleabrax heat exchange tank.

Forza Cascade Module 50 & 100



Installation Options

With cascade installation systems it is possible to discharge combustion emissions in only one flue ducts using the flue manifold kit.

Flue manifolds are in stainless steel to guarantee the highest mechanical resistance to the chemical action of the condensate and an easy installation.

Each individual boiler can be connected to the main manifold through the appropriate connector equipped with a mechanical non-return dampener to avoid flow back of combustion products when one or more boilers are not in operation.

Please refer to the installation manuals for more information on cascade flueing requirements.

Accessories	Order Code
Easy Remote for Aleabrax Condensing Appliances	40-00017
Sensor Outdoor Temperature Weather Compensation	73518LA
Sensor Manifold and Mixing Circuit	40-00345
Sensor DHW Storage Cylinder	40-00346
Sensor Solar Collector	31409LA
Cascade Regulator to suit Forza & Lena MODBUS	40-00551
WebVisor - Cascade System Remote Controller	40-00355
External Vertical Terminal S/S 80mm 50kw	50-00377
External Vertical Terminal S/S 100mm 100kw	80019LA
Hydraulic Compensator Kit ≤ 300kw DN150 100/65 (Forza)	26285LP
Hydraulic Compensator Kit 200-600kW DN220 DN100-PN6	26212LP
Hydraulic Compensator Kit > 600 kW DN300 DN100-PN6	12-00659
Condensate Neutraliser Box - up to 350kW	82153LA
Condensate Neutraliser Box - up to 1500kW	50-00146
Forza Accessory Box Empty ≤ 300 kW	35-00176

Care has been taken to ensure that all information is as accurate as possible at the time of publication. However, specifications, methods and figures are subject to change without prior notice.

For more information visit:

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Rev. 12/18

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