



Forza Floor Standing Boiler

F350 and F450

Technical Data

FEATURES

Condensing technology

Type A Appliance

Stainless steel heat exchanger (AISI 304L)

Wide modulating range (1 : 20)

50kw or 100kw modules cascadeable up to 500kw

Integrated primary pump and hydraulic manifolds

Cascade regulation & sequencing with connection to BMS

Webvisor accessory for remote supervision of heating plant

External or internal installation options



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. The individual modules are simply connected by means of hydraulic manifolds for the gas and flow & return connections.

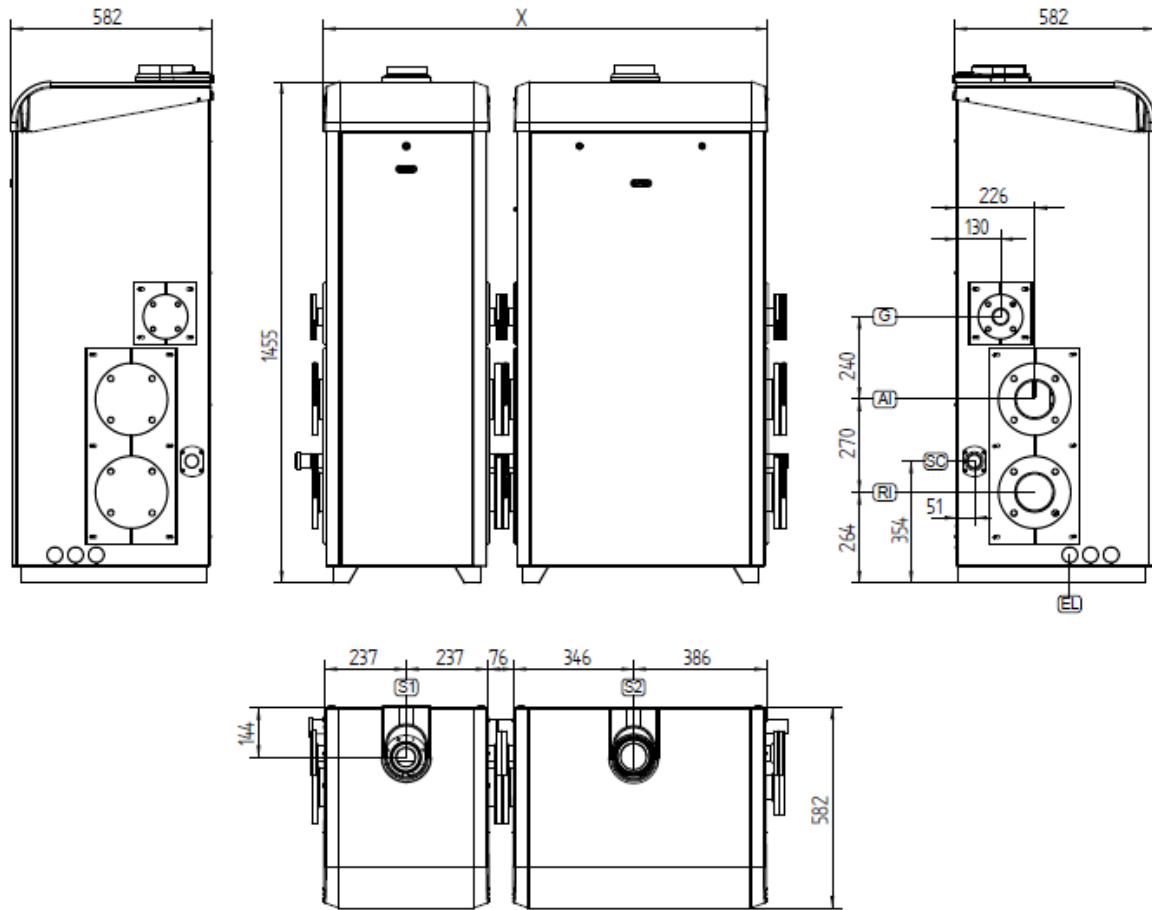
These appliances can be electronically cascaded to meet the required demand (up to 800kW).

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.

With multiple installation options for internal & 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 350	Forza 450
Order Code		F350	F450
Heat Output Max, 50/30	kW	373.8	480.6
Gas Consumption	MJ/hr	1386	1782
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	mm	DN40 PN6	DN40 PN6
Condensate Connection	mm	Ø40	Ø40
Height	mm	1455	1455
Depth	mm	582	582
Width	mm	2903	3710
Weight	kg	530	673
Flue Outlet 50kW Module	mm	Ø80	Ø80
Flue Outlet 100kW Module	mm	Ø100	Ø100
Noise Rating	dB	52	52
Adjustable CH Range	°C	30-80 / 25-45	30-80 / 25-45
Max. Operating Temp.	°C	95	95
Max Absorbed Power	W	756	972
Elec Consumption - boiler off	W	21	31.5

Forza 350 & 450



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.

In case of roof installation, external flue terminals complete with wind-proof head for the direct flue exhaust are also available.

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 ModBus DDC-mPID4DISP2	40-00337
WebVisor - Cascade System Remote Controller	40-00355
Hydraulic Compensator Kit DN220 200-600 kW 100mm Fittings	26212LP
Condensate Neutraliser Box - up to 350kW	82153LA
Condensate Neutraliser Box - up to 1500kW	50-00146
External Flue Terminal to suit 50kW Module S/S 80mm	50-00377
External Flue Terminal to suit 100kW Module S/S 80mm	80019LA
Common Flue Manifold Kit S/S to suit Forza F350 Cascade	50-00428
Common Flue Manifold Kit S/S to suit Forza F450 Cascade	50-00429
Forza Accessory Box Empty	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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or call 1300 132 949

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