



Lena Wall Hung Boiler L350 and L450 Technical Data

FEATURES

- Condensing technology
- Type A Appliance
- Stainless steel heat exchanger (AISI 304L)
- Wide modulating range (1 : 20)
- Modular solutions suitable for 50kW 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

		Lena 350	Lena 450
Order Code		L350	L450
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 Conn (each boiler)	mm	Ø25	Ø25
Height	mm	1787	1787
Depth	mm	524	524
Width	mm	2935	3742
Weight	kg	370	430
Air Intake (each boiler)	mm	Ø80	Ø80
Flue Outlet (each boiler)	mm	Ø80	Ø80
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

The Lena packages utilise 50kW & 100kW wall hung condensing boilers and are used for heating purposes.

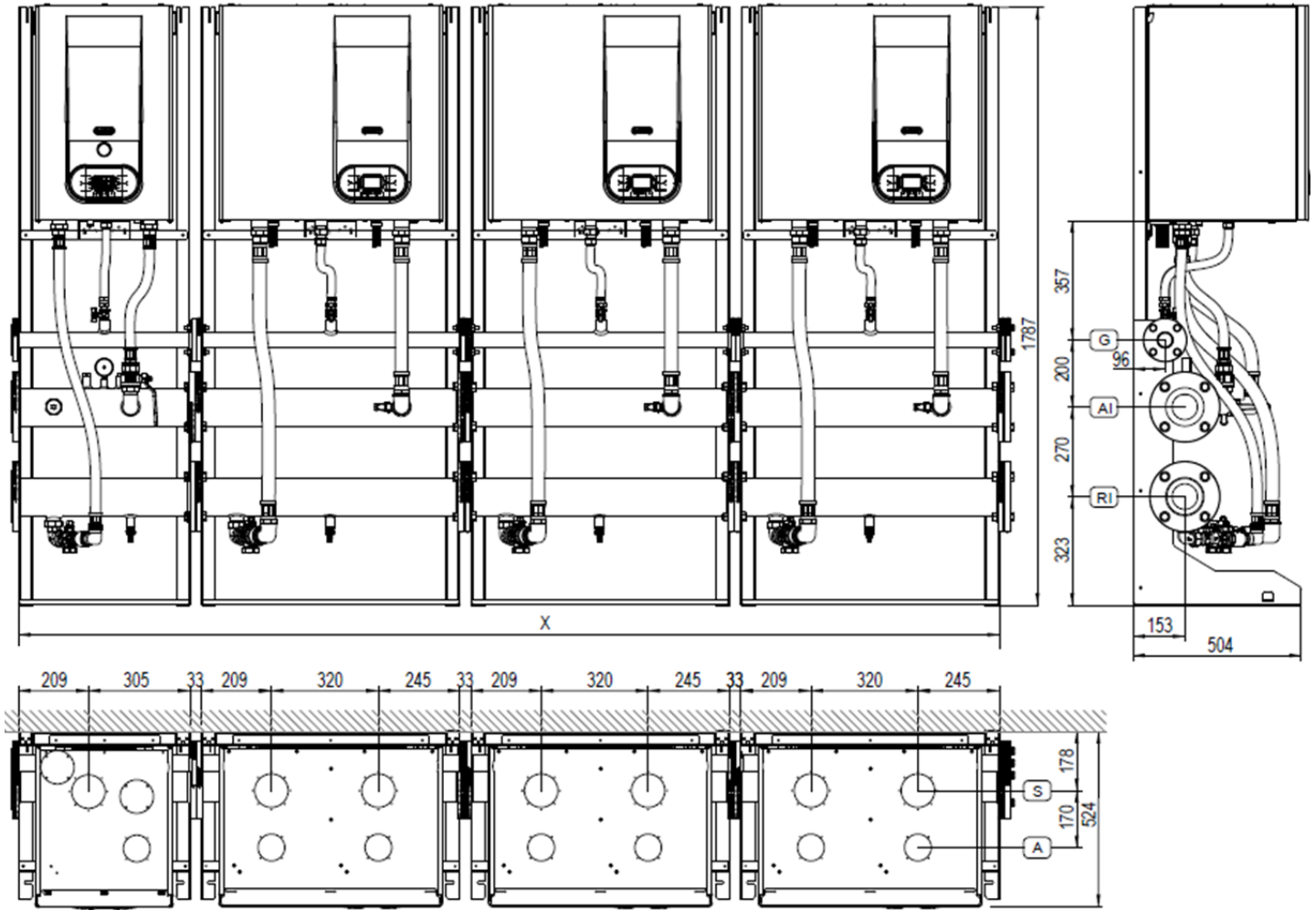
These packages are supplied in component form and are suitable for internal installations only. Assembly of the framework, pipework and mounting of the boilers is done onsite when in the required location.

The composition of the cascade system provides for the free combination of the individual boilers connected by means of hydraulic manifolds for the gas, flow and return connections

The Lena range features integrated primary pumps with PWM control which works in conjunction with the PCB, fan and burner to control the ΔT and maximise efficiency.

With multiple configurations and installation options, the Lena series is the perfect solution for purposes such as underfloor heating, pool/spa heating, HVAC applications and DHW via an Aleabrax heat exchange tank.

Lena 350 & 450



Installation Options

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

Flue manifold are in polypropylene material (PP) 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 damper to avoid a flow back of combustion products when one or more boilers are not in operation.

Please refer to the installation manuals for more information on individual or 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 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

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

Rev. 12/18

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