

# EVOMOD.

## 250kW

### MODULAR / CONDENSING

Available in 250, 500, 750 and 1000 kW modules, the Evomod will achieve an output up to 1MW from a single unit solution together with a minimum footprint that enables the product to be installed where space is limited.

Each module provides a maximum of 250 kW heat output and will modulate down through a sophisticated control system.



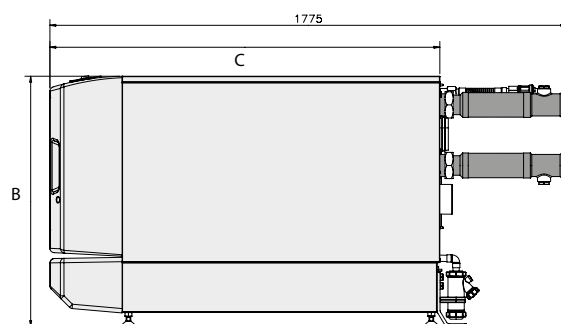
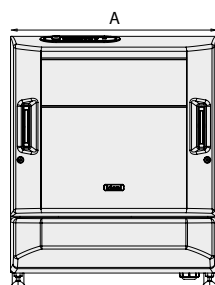
#### FEATURES AND BENEFITS

- Modules up to 3 high stacking
- Stainless steel heat exchanger
- Built in module diagnostics, sequencing and remote indication
- Plain text display for fast and easy use
- Single flue outlet, system, gas and electrical connections
- Easy access for servicing
- Minimum footprint with easy site handling and standard doorway access
- NOx <40mg/kWh (Class 5) for maximum BREEAM points
- 2 year parts and labour warranty\*
- Single boiler control for all module options
- Up to 20:1 turndown
- Up to 108.5% nett efficiency (fully condensing)
- ECA listed

## DIMENSIONS AND CLEARANCES

BOILER	DIM A	DIM B	DIM C
250kW	710	860	1339

The following minimum clearances must be maintained for operation and servicing:



For full details of all configurations & specifications, please refer to the Evomod sales brochure.

All dimensions in mm



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GENERAL			FLUE/AIR INLET		
Dry Weight	KG	229	Flue Size	mm	150
Boiler Dimensions	mm	860 (H) x 710 (W) x 1339 (D)	Flue Gas Volume	m <sup>3</sup> /h	391
Boiler Clearances	mm	Front: 600 Left Side: 400 Right Side: 450 Rear: 750 Top: 300	Max Flue Resistance	Pa	105
Seasonal Efficiency	%	95.9	Flue Gas Temperature	°C	80
Min/Max Gas pressure (Nat Gas)	mbar	17 - 20	ELECTRICAL		
BURNER PRE MIX			Electrical Supply	230/240V 50Hz 1 Ph	
Fuel	(Type G20)	Natural Gas	Current (Max No Pump)	amp	1.59
Fuel Consumption (Nat Gas)	m <sup>3</sup> /h	25.2	Power Consumption	watt	350
Flame Protection		Ionisation	Modulating Input	V/dc	0-10V
Ignition		Spark	Fuse Rating	amp	1 x 5 Internal
Boiler Output (Mean 70°C)	kW	46.7 - 232.5	Controls Voltage	V	230 or 0-10
Boiler Output (Mean 40°C)	kW	51.4 - 252.5	Insulation Class IP		IP20
Boiler Input (Gross cv)	kW	264.1	CONTROL OPERATION		
Gas Inlet Size		1¼"	On/Off 0-10V DC		Yes
NOx Rating/emissions at 0% O <sub>2</sub>	mg/kWh	Class 5 (39.7)	OpenTherm		No
HYDRAULICS			High Limit Protection		Yes
Hydraulic Resistance (20°C ΔT)	mbar	410	Low Water Protection		Yes
Nominal Flow Rate (20°C ΔT)	l/s	3.0	Volt Free Common Alarm		Yes
Min Flow Rate (20°C ΔT) (MAX MOD)	l/s	0.6	Boiler Run Indication		Yes
Min Flow Temperature	°C	30	OPTIONAL EXTRAS		
Max Flow Temperature	°C	80	Water and Gas Header Assembly package		Yes
Min Working Pressure	bar	1	Water and Gas Header c/w Valves package		Yes
Max Working Pressure	bar	6	Water Connection Kit (250 only)		Yes
Max Static Head Of Water	metres	61	Air Inlet Collar		Yes
Condensate Connection	mm	21.5			
High Limit Set Point	°C	105 flow, 95 return			
Flow & Return Size		2½" PN16			
Water Content	litres	14.8			



FLOOR STANDING



NOx CLASS 5



BIM



MODULAR

\*2 year warranty subject to Terms and Conditions. 2 year parts and labour warranty available when registered within 30 days of installation.

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# EVOMOD.

## 500kW

### MODULAR / CONDENSING



Available in 250, 500, 750 and 1000 kW modules, the Evomod will achieve an output up to 1MW from a single unit solution together with a minimum footprint that enables the product to be installed where space is limited.

Each module provides a maximum of 250 kW heat output and will modulate down through a sophisticated control system.

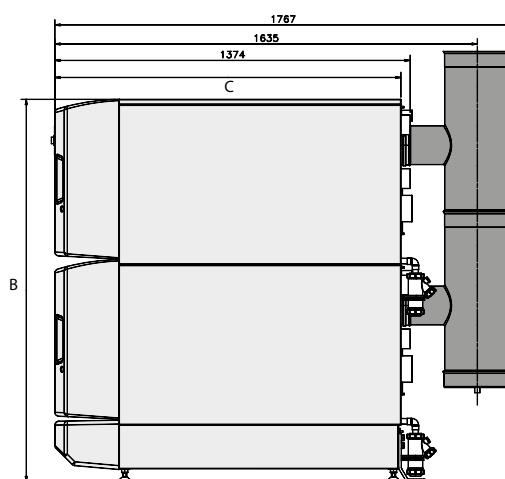
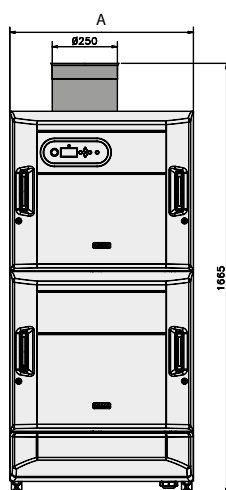
#### FEATURES AND BENEFITS

- Modules up to 3 high stacking
- Stainless steel heat exchanger
- Built in module diagnostics, sequencing and remote indication
- Plain text display for fast and easy use
- Single flue outlet, system, gas and electrical connections
- Easy access for servicing
- Minimum footprint with easy site handling and standard doorway access
- NO<sub>x</sub> <40mg/kWh (Class 5) for maximum BREEAM points
- 2 year parts and labour warranty\*
- Single boiler control for all module options
- Up to 20:1 turndown
- Up to 108.5% nett efficiency (fully condensing)
- ECA listed

## DIMENSIONS AND CLEARANCES

BOILER	DIM A	DIM B	DIM C
500kW	710	1480	1339

The following minimum clearances must be maintained for operation and servicing:



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All dimensions in mm



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GENERAL			FLUE/AIR INLET		
Dry Weight	KG	420	Flue Size	mm	250
Boiler Dimensions	mm	1480 (H) x 710 (W) x 1339 (D)	Flue Gas Volume	m <sup>3</sup> /h	783
Boiler Clearances	mm	Front: 600 Left Side: 400 Right Side: 450 Rear: 750 Top: 300	Max Flue Resistance	Pa	105
Seasonal Efficiency	%	95.9	Flue Gas Temperature	°C	80
Min/Max Gas pressure (Nat Gas)	mbar	17 - 20	ELECTRICAL		
BURNER PRE MIX			Electrical Supply	230/240V 50Hz 1 Ph	
Fuel	(Type G20)	Natural Gas	Current (Max No Pump)	amp	3.09
Fuel Consumption (Nat Gas)	m <sup>3</sup> /h	50.4	Power Consumption	watt	680
Flame Protection	Ionisation		Modulating Input	V/dc	0-10V
Ignition	Spark		Fuse Rating	amp	2 x 5 Internal
Boiler Output (Mean 70°C)	kW	46.7 - 465	Controls Voltage	V	230 or 0-10
Boiler Output (Mean 40°C)	kW	51.4 - 505	Insulation Class IP	IP20	
Boiler Input (Gross cv)	kW	523.2	CONTROL OPERATION		
Gas Inlet Size	2"		On/Off 0-10V DC	Yes	
NOx Rating/emissions at 0% O <sub>2</sub>	mg/kWh	Class 5 (39.7)	OpenTherm	No	
HYDRAULICS			High Limit Protection	Yes	
Hydraulic Resistance (20°C ΔT)	mbar	410	Low Water Protection	Yes	
Nominal Flow Rate (20°C ΔT)	l/s	6.0	Volt Free Common Alarm	Yes	
Min Flow Rate (20°C ΔT) (MAX MOD)	l/s	1.2	Boiler Run Indication	Yes	
Min Flow Temperature	°C	30	OPTIONAL EXTRAS		
Max Flow Temperature	°C	80	Water and Gas Header Assembly package	Yes	
Min Working Pressure	bar	1	Water and Gas Header c/w Valves package	Yes	
Max Working Pressure	bar	6	Water Connection Kit (250 only)	Yes	
Max Static Head Of Water	metres	61	Air Inlet Collar	Yes	
Condensate Connection	mm	2 x 21.5			
High Limit Set Point	°C	105 flow, 95 return			
Flow & Return Size	5" PN16				
Water Content	litres	29.6			



FLOOR STANDING



NOx CLASS 5



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# EVOMOD.

## 750kW

### MODULAR / CONDENSING



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Each module provides a maximum of 250 kW heat output and will modulate down through a sophisticated control system.

#### FEATURES AND BENEFITS

- Modules up to 3 high stacking
- Stainless steel heat exchanger
- Built in module diagnostics, sequencing and remote indication
- Plain text display for fast and easy use
- Single flue outlet, system, gas and electrical connections
- Easy access for servicing
- Minimum footprint with easy site handling and standard doorway access
- NOx <40mg/kWh (Class 5) for maximum BREEAM points
- 2 year parts and labour warranty\*
- Single boiler control for all module options
- Up to 20:1 turndown
- Up to 108.5% nett efficiency (fully condensing)
- ECA listed

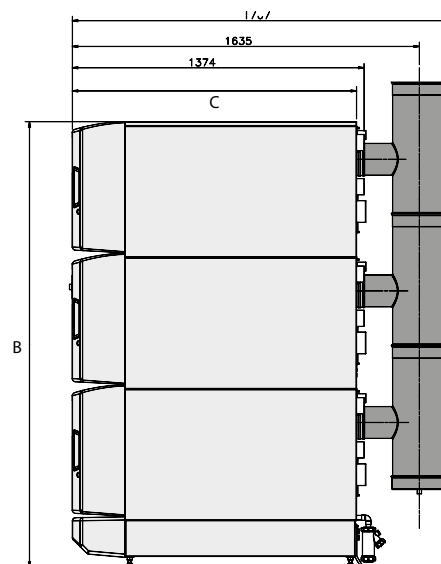
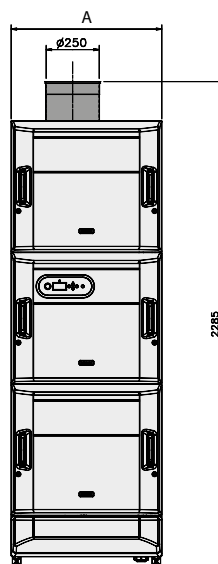
## DIMENSIONS AND CLEARANCES

BOILER	DIM A	DIM B	DIM C
750kW	710	2100	1339

The following minimum clearances must be maintained for operation and servicing:



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All dimensions in mm



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GENERAL			FLUE/AIR INLET		
Dry Weight	KG	611	Flue Size	mm	250
Boiler Dimensions	mm	2100 (H) x 710 (W) x 1339 (D)	Flue Gas Volume	m <sup>3</sup> /h	1174
Boiler Clearances	mm	Front: 600 Left Side: 400 Right Side: 450 Rear: 750 Top: 300	Max Flue Resistance	Pa	105
Seasonal Efficiency	%	95.9	Flue Gas Temperature	°C	80
Min/Max Gas pressure (Nat Gas)	mbar	17 - 20	ELECTRICAL		
BURNER PRE MIX			Electrical Supply	230/240V 50Hz 1 Ph	
Fuel	(Type G20)	Natural Gas	Current (Max No Pump)	amp	4.64
Fuel Consumption (Nat Gas)	m <sup>3</sup> /h	75.6	Power Consumption	watt	1020
Flame Protection		Ionisation	Modulating Input	V/dc	0-10V
Ignition		Spark	Fuse Rating	amp	3 x 5 Internal
Boiler Output (Mean 70°C)	kW	46.7 - 697.5	Controls Voltage	V	230 or 0-10
Boiler Output (Mean 40°C)	kW	51.4 - 757.5	Insulation Class IP		IP20
Boiler Input (Gross cv)	kW	792.3	CONTROL OPERATION		
Gas Inlet Size		2"	On/Off 0-10V DC		Yes
NOx Rating/emissions at 0% O <sub>2</sub>	mg/kWh	Class 5 (39.7)	OpenTherm		No
HYDRAULICS			High Limit Protection		Yes
Hydraulic Resistance (20°C ΔT)	mbar	410	Low Water Protection		Yes
Nominal Flow Rate (20°C ΔT)	l/s	9.0	Volt Free Common Alarm		Yes
Min Flow Rate (20°C ΔT) (MAX MOD)	l/s	1.8	Boiler Run Indication		Yes
Min Flow Temperature	°C	30	OPTIONAL EXTRAS		
Max Flow Temperature	°C	80	Water and Gas Header Assembly package		Yes
Min Working Pressure	bar	1	Water and Gas Header c/w Valves package		Yes
Max Working Pressure	bar	6	Water Connection Kit (250 only)		Yes
Max Static Head Of Water	metres	61	Air Inlet Collar		Yes
Condensate Connection	mm	3 x 21.5			
High Limit Set Point	°C	105 flow, 95 return			
Flow & Return Size		5" PN16			
Water Content	litres	44.4			



FLOOR STANDING



NOx CLASS 5



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# EVOMOD.

## 1000kW

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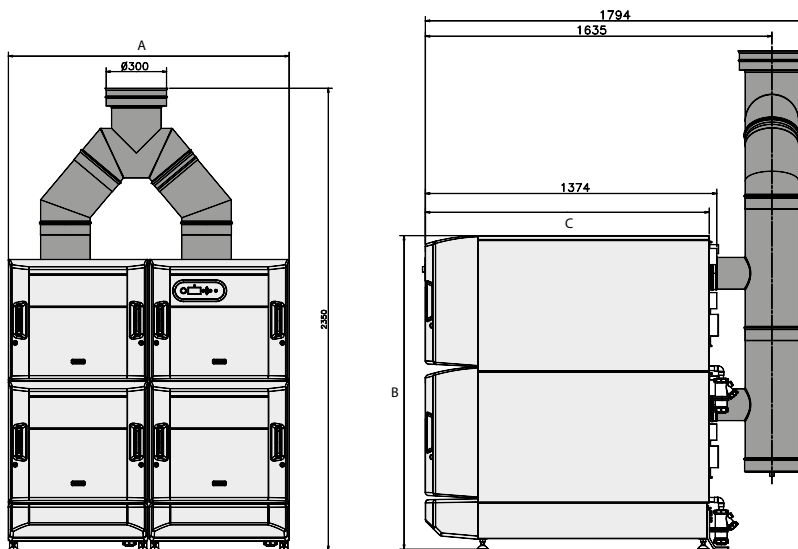
#### FEATURES AND BENEFITS

- Modules up to 3 high stacking
- Stainless steel heat exchanger
- Built in module diagnostics, sequencing and remote indication
- Plain text display for fast and easy use
- Single flue outlet, system, gas and electrical connections
- Easy access for servicing
- Minimum footprint with easy site handling and standard doorway access
- NOx <40mg/kWh (Class 5) for maximum BREEAM points
- 2 year parts and labour warranty\*
- Single boiler control for all module options
- Up to 20:1 turndown
- Up to 108.5% nett efficiency (fully condensing)
- ECA listed

## DIMENSIONS AND CLEARANCES

BOILER	DIM A	DIM B	DIM C
1000kW	1428	1480	1339

The following minimum clearances must be maintained for operation and servicing:



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All dimensions in mm



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GENERAL			FLUE/AIR INLET		
Dry Weight	KG	845	Flue Size	mm	300
Boiler Dimensions	mm	1480 (H) x 1428 (W) x 1339 (D)	Flue Gas Volume	m <sup>3</sup> /h	1566
Boiler Clearances	mm	Front: 600 Left Side: 400 Right Side: 450 Rear: 750 Top: 300	Max Flue Resistance	Pa	105
Seasonal Efficiency	%	95.9	Flue Gas Temperature	°C	80
Min/Max Gas pressure (Nat Gas)	mbar	17 - 20	ELECTRICAL		
BURNER PRE MIX			Electrical Supply	230/240V 50Hz 1 Ph	
Fuel	(Type G20)	Natural Gas	Current (Max No Pump)	amp	6.14
Fuel Consumption (Nat Gas)	m <sup>3</sup> /h	100.8	Power Consumption	watt	1350
Flame Protection	Ionisation		Modulating Input	V/dc	0-10V
Ignition	Spark		Fuse Rating	amp	4 x 5 Internal
Boiler Output (Mean 70°C)	kW	46.7 - 930	Controls Voltage	V	230 or 0-10
Boiler Output (Mean 40°C)	kW	51.4 - 1010	Insulation Class IP	IP20	
Boiler Input (Gross cv)	kW	1056.4	CONTROL OPERATION		
Gas Inlet Size	2"		On/Off 0-10V DC	Yes	
NOx Rating/emissions at 0% O <sub>2</sub>	mg/kWh	Class 5 (39.7)	OpenTherm	No	
HYDRAULICS			High Limit Protection	Yes	
Hydraulic Resistance (20°C ΔT)	mbar	410	Low Water Protection	Yes	
Nominal Flow Rate (20°C ΔT)	l/s	12.0	Volt Free Common Alarm	Yes	
Min Flow Rate (20°C ΔT) (MAX MOD)	l/s	2.4	Boiler Run Indication	Yes	
Min Flow Temperature	°C	30	OPTIONAL EXTRAS		
Max Flow Temperature	°C	80	Water and Gas Header Assembly package	Yes	
Min Working Pressure	bar	1	Water and Gas Header c/w Valves package	Yes	
Max Working Pressure	bar	6	Water Connection Kit (250 only)	Yes	
Max Static Head Of Water	metres	61	Air Inlet Collar	Yes	
Condensate Connection	mm	4 x 21.5			
High Limit Set Point	°C	105 flow, 95 return			
Flow & Return Size	5" PN16				
Water Content	litres	59.2			



FLOOR STANDING



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