

# SUPER PLUS

500 - 600kW

**1** YEAR WARRANTY\*

The Super Plus comprises of identical 100 kW modules with outputs from 500 kW to 600 kW. Heat exchangers are sited in a combined casing/combustion chamber assembly, effectively creating semi-condensing conditions within each module. The Super Plus can achieve efficiencies of up to 85% gross cv (94% nett cv) at full and part load conditions.



## FEATURES & BENEFITS

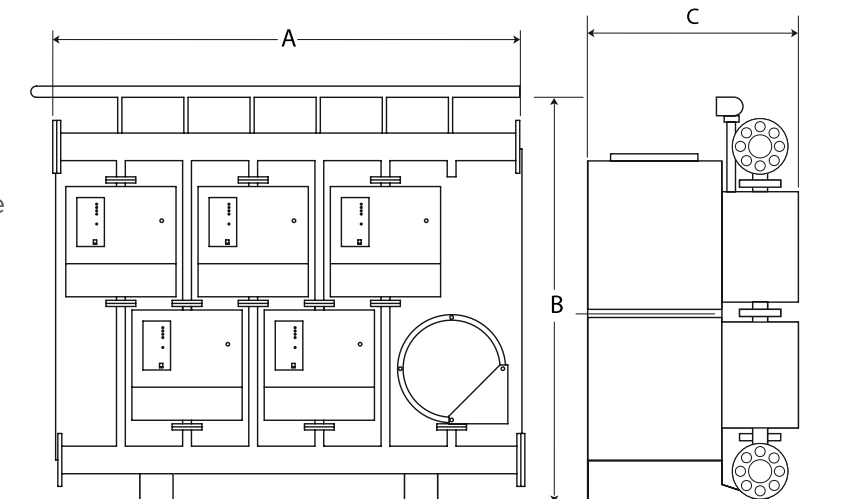
- 100 kW modules
- Horizontal assembly
- High efficiency 85% gross cv (94% nett cv)
- Low NOx emissions (class 5)
- Ultra compact
- Sequence controlled
- Easy to install and service
- Complete package - incorporating single flue outlet, gas and water headers
- Optional remote indication kit

## DIMENSIONS & CLEARANCES

BOILER	DIM A	DIM B	DIM C
500 - 600kW	2115	1900	990

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

- ↑ TOP: **BOILER HEIGHT + PIPES & FLUE**
- FRONT: **900mm**
- ↔ SIDES: **LH 500mm | RH 500mm**
- ↓ REAR: **25mm**



# SUPER PLUS 500 - 600kW

## TECHNICAL SPECIFICATIONS



MODEL		500/5	600/6
No. of Modules		5	6
Boiler Input		kW 588	706
Boiler Output		kW 500	600
Gas Rate		m <sup>3</sup> /h 55.1	66.2
Approx Flue Gas Volume at 120°C (248°F)	8.5% CO <sub>2</sub> 100°C	m <sup>3</sup> /s 0.273	0.327
Hydraulic Resistance		mbar 98	98
Power Consumption		watts 1000	1200
Flow Tappings & Return Tappings		mm 125	125
Maximum Operating Pressure		bar 61	61
Minimum Operating Pressure		bar 0.16	0.16
Required Flow Rate +/-10%		l/s 10.8	12.9
Flow & Return Size		DN125	DN125
Maximum Flow Temperature		°C 82	82
Gas Inlet Connection		Rc 2	2
Minimum Dynamic Gas Pressure Required at the Boiler Inlet for the Rated Input		mbar 16	16
Electric Supply		Nominal 230V - 50Hz single phase	Nominal 230V - 50Hz single phase
Nominal Flue Size (to BS 835)		mm 450	450
Flue Connection Size		mm 500	500
Weight Modules		kg 346.0	415.2
Weight Casing / Insulation		kg 208	208
Weight of Gas/Water Header		kg 12.6	12.6
Water Content		l 49.5	59.4
Seasonal Efficiency		% 84.96	84.96

### CONVERSIONS

- 1 kW = 3412 Btu/h
- 1mm = 0.039 in
- 1m<sup>3</sup>/h = 35.315 ft<sup>3</sup>/h
- 1l/s = 13.198 gal/m
- 1m<sup>3</sup>/s = 2120 ft<sup>3</sup>/m
- 1 kg = 2.2 lb
- 1 mbar = 0.4 in.w.g.
- 1 litre = 0.22 gallons



\*1 year warranty subject to Terms and Conditions.

# GET A QUOTE

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