

SUPER SERIES 4

450 - 600kW



1 YEAR
WARRANTY*

The Super Series 4 comprises of identical 50 kW modules with heat outputs from 450 kW to 600 kW, with the number of modules in use dependent on the maximum load. Fitted on slide rails, the modules are located in an insulated stainless steel boiler casing. The products of combustion first give up their heat to water flowing through the modules then are discharged.



FEATURES & BENEFITS

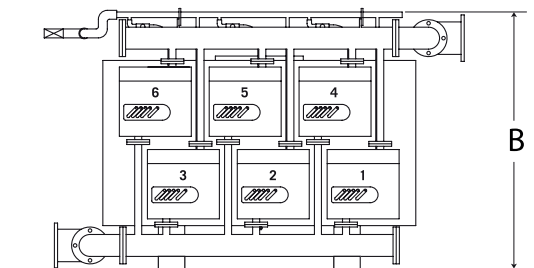
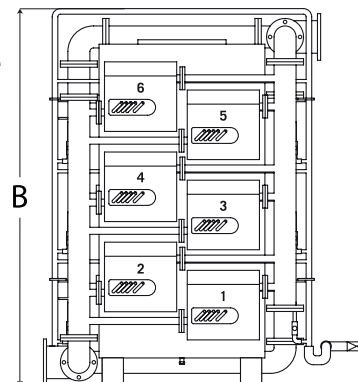
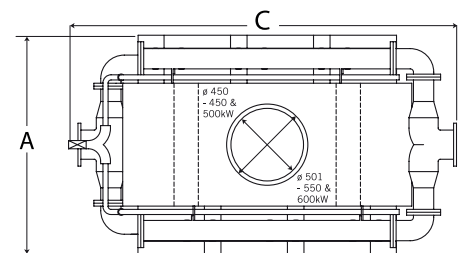
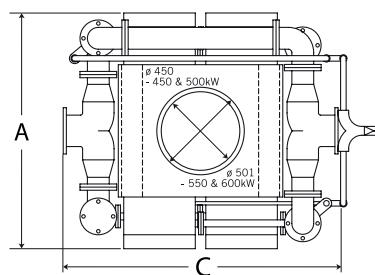
- 50 kW modules
- Vertical and horizontal models
- High efficiency 85% gross cv (94% nett cv)
- Low NOx emissions (class 5)
- Compact size
- Sequence controlled
- Easy to install and service
- Complete package - incorporating single flue outlet, gas and water headers

DIMENSIONS & CLEARANCES

BOILER	DIM A	DIM B	DIM C
450 - 600kW V	1350	2144	1574
450 - 600kW H	1350	1467	2393

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

- ↑ TOP: **BOILER HEIGHT + PIPES & FLUE**
- FRONT: **750mm**
- ↔ SIDES: **LH 850mm | RH 850mm**
- ↓ REAR: **750mm**



VERTICAL

HORIZONTAL

SUPER SERIES 4 450 - 600kW

TECHNICAL SPECIFICATIONS



MODEL	450V	500V	550V	600V	450H	500H	550H	600H	
No. of Modules	9	10	11	12	9	10	11	12	
Boiler Input	529.2	588.0	646.8	705.6	529.2	588.0	646.8	705.6	
Boiler Output	450	500	550	600	450	500	550	600	
Gas Rate	49.7	55.2	60.7	66.2	49.7	55.2	60.7	66.2	
Approx Flue Gas Volume at 120°C (248°F)	8.5% CO ₂ 100°C	0.246	0.273	0.301	0.328	0.246	0.273	0.301	0.328
Hydraulic Resistance	125	125	125	125	125	125	125	125	
Power Consumption	1350	1500	1650	1800	1350	1500	1650	1800	
Flow Tappings & Return Tappings	125	125	125	125	125	125	125	125	
Maximum Operating Pressure	6	6	6	6	6	6	6	6	
Minimum Operating Pressure	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	
Required Flow Rate +/-10%	9.63	10.70	11.77	12.84	9.63	10.70	11.77	12.84	
Flow & Return Size	DN125	DN125	DN125	DN125	DN125	DN125	DN125	DN125	
Maximum Flow Temperature	82	82	82	82	82	82	82	82	
Gas Inlet Connection	71	71	71	71	71	71	71	71	
Minimum Dynamic Gas Pressure Required at the Boiler Inlet for the Rated Input	2	2	2	2	2	2	2	2	
Electric Supply	15.0	15.0	15.0	15.0	15.0	15.0	15.0	15.0	
Nominal Flue Size (to BS 835)	400	400	450	450	400	400	450	450	
Flue Connection Size	450	450	501	501	450	450	501	501	
Weight Modules	477	530	583	636	477	530	583	636	
Weight Casing / Insulation	197	190	182	175	197	190	182	175	
Weight of Gas/Water Header	311	313	315	318	298	300	302	304	
Water Content	97.6	102.4	107.2	112.0	92.6	97.4	102.2	107.0	
Seasonal Efficiency	84.96	84.96	84.96	84.96	84.96	84.96	84.96	84.96	

CONVERSIONS

- 1 kW = 3412 Btu/h
- 1mm = 0.039 in
- 1m³/h = 35.315 ft³/h
- 1l/s = 13.198 gal/m
- 1m³/s = 2120 ft³/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

W: IDEALCOMMERCIALBOILERS.COM
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