

# P420/10 specification.

Further information can be found at [remeha.co.uk/documents](http://remeha.co.uk/documents)

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Overview	P420
Rated output kW	540
Weight (dry) kg	As per technical manual
Overall dim WxHxD mm	1000 x 1690 x 2120
Radiated losses W*	413
Efficiency % : NCV full load (3)	88
Seasonal efficiency : % GCV	82.2 (Avg)

Burner type – pressure jet	
Fuel available	Nat gas
Fuel consumption : max	Check burner details
Noise levels dB(A)	Check burner details
Min op gas press mbar	Check burner details

Flue/Air inlet	
Diameter mm	250
Flue type	Conventional
Chamber resist mbar	2.0
Flue gas flow kg/hr gas : (1)	972
Flue gas flow kg/hr oil : (1)	900
Flue gas temperature °C: (2)	< 220

Control/options	
Standard	Optional
On/off thermostat High-limit thermostat High/low indication Temperature indication Volt-free run/lock indication Three-position switch auto/man/test L/O lamp On/off switch 10 amp CB	Hours run meters Modulating (via burner)

Hydraulics	
Water content ltrs	452
Resistance @11°C mbar	66
Resistance @20°C mbar	20
Nom flow rate @11°C l/s	11.73
Nom flow rate @20°C l/s	6.45
Min flow rate l/s : #	2.85
Max op press bar	6
Test press bar	As per assembly manual
Min return temp °C	50
Connection size	2½" flanged
Std operating temp °C	80
Max operating temp °C	90
High limit set point °C	110

Electrical	
Voltage	230.1.50
Fuse rating	10 Amp

Note: 1ph burners obtain their power supply via the boiler. 3ph burners require a 3ph supply + a 1ph to the boiler

Quick reference specification sheet, full details can be found in the P420 series installation/service guide. General details: Corrosion resistant cast iron sectional boiler, jointed by conical nipples and ceramic rope, designed with three passes for high efficiency and low NO<sup>x</sup> emission. Large insulated door (hinged left or right) allowing easy access for cleaning. Powder coated enamel steel casing c/w fibreglass insulation. All of the P420 boiler range are supplied unassembled for delivery to site. CE approved. Boiler efficiency data to 92/42-EEC.

(1) Boiler at full output average temperature 80/30°C (70°C mean)

(2) With boiler temperature: 80°C and ambient temperature: 20°C

(3) 70°C mean temperature

\*Maintenance consumption refer to boiler installation/service manual

# Based delta tof 45°C between the boiler and the room temperature

## @12 bar pump pressure

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