

P420/9 specification.

Further information can be found at remeha.co.uk/documents

Date: June 2022

Overview	P420
Rated output kW	450
Weight (dry) kg	As per technical manual
Overall dim WxHxD mm	1000 x 1690 x 1950
Radiated losses W*	358
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 bar	Check burner details

Flue/Air inlet	
Diameter mm	250
Flue type	Conventional
Chamber resist mbar	1.5
Flue gas flow kg/hr gas : ⁽¹⁾	810
Flue gas flow kg/hr oil : ⁽¹⁾	750
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	409
Resistance @11°C mbar	39.7
Resistance @20°C mbar	12
Nom flow rate @11°C l/s	9.77
Nom flow rate @20°C l/s	5.38
Min flow rate l/s : #	2.39
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^x 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

© Ours is a policy of continuous development, we therefore reserve the right to alter specification without prior notification. Remeha accept no liability for any loss or damage rising from any errors or omissions that may be inadvertently contained in this specification sheet.