

# P520/21 specification.

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

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Overview	P520
Rated output kW	1160-1218
Weight (dry) kg	4538
Overall dim WxHxD mm	1172 x 1760 x 2955
Radiated losses %*	0.06
Efficiency % : NCV full load <sup>(3)</sup>	90
Seasonal efficiency : % GCV	84.5

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	Cut plate as required
Flue type	Conventional
Chamber resist mbar	+3.1
Flue gas flow kg/hr gas : <sup>(1)</sup>	1750
Flue gas flow kg/hr oil : <sup>(1)</sup>	1670
Flue gas temperature °C: <sup>(2)</sup>	< 190

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	943
Resistance @11°C mbar	44.28
Resistance @20°C mbar	13.4
Nom flow rate @11°C l/s	26.45
Nom flow rate @20°C l/s	14.55
Min flow rate l/s : #	6.44
Max op press bar	As per technical manual
Test press bar	As per assembly manual
Min return temp °C	50
Connection size (weld) mm	159
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 circuit breaker

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 P520 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 P520 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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