

Specifications for Promax Combi

Potterton Promax Combi				
	Units	24	28	33
Sales code		7219453	7219455	7219456
Controls				
Concealed user controls		Yes	Yes	Yes
Operating mode selector switch with reset		Yes	Yes	Yes
User adjustable DHW temperature		Yes	Yes	Yes
User adjustable CH temperature		Yes	Yes	Yes
LED temp/status/fault diagnosis display		Yes	Yes	Yes
Integral 24hr electro-mechanical timer		Optional	Optional	Optional
Integral 7 day electronic timer		Optional	Optional	Optional
Single channel wireless programmable room thermostat		Optional	Optional	Optional
Weather outdoor sensor		Optional	Optional	Optional
Gas				
Gas (natural gas/LPG)		NG	NG	NG
Inlet supply pressure	mbar	20	20	20
Maximum gas rate	m3/hr	2.6	3.1	3.6
Heat input central heating (CH)	kW Max Gross (QnHs)	22.7	27.4	32.1
	kW Min Gross (QnHs)	7.8	10	10.8
Heat output CH non-condensing	kW Max (Pn)	20.6	24.7	28.9
	kW min (Pn)	6.8	8.7	9.4
Heat output CH condensing	kW max (Pnc)	21	25.9	30.3
	kW min (Pnc)	7.4	9.5	10.2
Heat input domestic hot water	kW Max Gross (QnWHs)	27.4	32.1	37.7
Heat output domestic hot water	kW Max (Pn)	24	28	33
SAP 2009/2012 annual efficiency (PCDB/SEDBUK)	%	89.0	89.0	89.0
NOx class		5	5	5
ErP product information				
NOx	mg/kWh	20	23	20
Sound power level, indoors	LWA DB	50	53	52
Space heating efficiency class		A	A	A
Water heating declared load profile		XL	XL	XL
Water heating efficiency class		A	A	A
EcoHomes		3	3	3
Electrical				
Electrical supply	Volts/Hz	230/50	230/50	230/50
Permanent live required		Yes	Yes	Yes
Fitting electrical cable		Yes	Yes	Yes
Power consumption	Watts	85	120	125
External fuse rating	Amps	3	3	3
Internal fuse rating	Amps	F2L	F2L	F2L

Ingress protection rating		IPX5D	IPX5D	IPX5D
Integral 'boiler only' frost thermostat		Yes	Yes	Yes
Mechanical				
Pre-plumbing/wall mounting jig		Yes	Yes	Yes
Isolating valves		Yes	Yes	Yes
Gas supply connection	mm	22	22	22
Central heating connections	mm	22	22	22
Domestic hot water connections	mm	15	15	15
Condensate drain connection	mm	21.5	21.5	21.5
Filling loop kit		Yes	Yes	Yes
Hydraulic				
Domestic hot water output (raised 35° C) (max)	l/min	9.8	11.5	13.5
Domestic hot water operating flow rate (min)	l/min	2	2	2
Domestic hot water operating pressure (min)	bar	0.15	0.15	0.15
Domestic hot water system pressure (max)	bar	8	8	8
CH safety discharge pressure	bar	3	3	3
Integral automatic bypass		Yes	Yes	Yes
Integral expansion vessel capacity	litres	8	8	8
Max capacity of central heating system	litres	125	125	125
Compartment ventilation requirement		No	No	No
CH system inhibitor required		Yes	Yes	Yes
24 hour pump exercise		Yes	Yes	Yes
Pump overrun		Yes	Yes	Yes
Concentric flue systems				
Concentric flue diameters			60/100 and 80/125	
Standard horizontal flue kit length (ø60/100)	mm	685	685	685
Max equiv length horizontal/vertical (ø60/100)	m	10	10	10
Max equiv length horizontal/vertical (ø80/125)	m	20	20	20
Equivalent length per 135° bend	m	10	10	10
Equivalent length per 93° bend	m	20	20	20
Twin flue system				
Twin pipe flue Diameters	mm	80/80	80/80	80/80
Maximum equivalent vertical length	m	15	15	15
Maximum equivalent horizontal length	m	15	15	15
Weights				
Max installation lift weight	kg	40.2	40.2	40.2
Gross packaged boiler weight	kg	45.5	45.5	47
Packaged boiler dimensions (WxDxSCxUCxLCxFC)	450mm x 780mm x 345mm x 5mm x 175mm (300mm 80/125 flue) x 150mm x 5mm (450mm for servicing)			