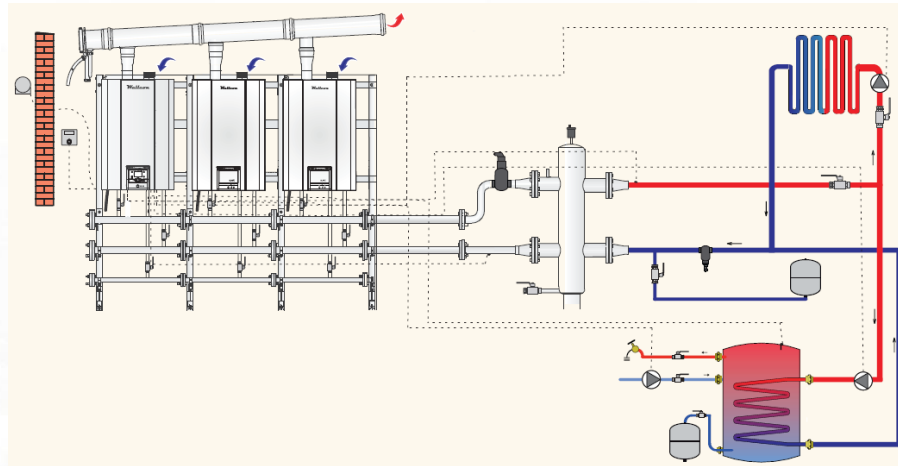
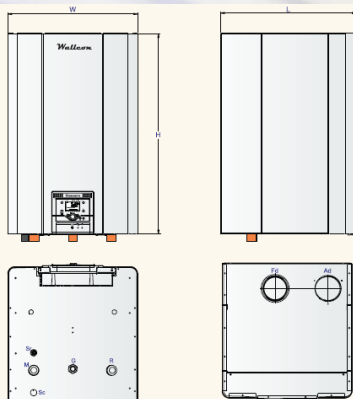


Wallcon 115, 125 & 160kW Wall Hung Condensing Boilers



- Stainless Steel Heat Exchangers.
- Class 5 NOx.
- Fully Modulating Premix Burner.
- Turndown 4:1 for the 115 and 7:1 for the 125 and 160.
- Direct BMS Connectivity.
- Remote Monitoring Options. GSM / Web Connectivity.
- Full Range of Concentric and Single Walled Flue Components Including Cascade.
- Integral Cascade Functionality up to 16 boilers. (21kW – 2560kW)
- Matched Mounting Frames and Cascade Hydraulics including Low Loss Headers or Matched System Separation Plate Heat Exchangers.
- Integral Pump with Anti-Seize Program. (115 and 125)
- Frost Protection Program.
- Integral Safety Controls Fully Compliant with BS:6644 : 2014.
- Natural Gas / LPG Compatible.
- Remote Monitoring Options. GSM / Web Connectivity.



WALLCON 115-125 kW

Sc : Condensate drain - 25mm
 Sr : Safety drain - 1/2"
 M : Flow 1 1/4"
 R : Return 1 1/4"
 G : Gas inlet 1"
 Fd : Flue outlet 100mm
 Ad : Air intake 100mm
 W x L x H = 557 x 580 x 865

WALLCON 160 kW

Sc : Condensate drain - 25mm
 Sr : Safety drain - 1/2"
 M : Flow 1 1/4"
 R : Return 1 1/4"
 G : Gas inlet 1"
 Fd : Flue outlet 100mm
 Ad : Air intake 100mm
 W x L x H = 557 x 690 x 860

MHG Heating Ltd Unit 4 Epsom Downs Metro Centre, Waterfield, Tadworth, Surrey. KT20 5LR
 Phone 08456 448802 Fax 08456 448803 Email info@mhgheating.co.uk web www.mhgheating.co.uk

Wallcon 115, 125 & 160kW Wall Hung Condensing Boilers

Type Of Product	WALLCON 115		WALLCON 125 B		WALLCON 160 B		
	min	max	min	max	min	max	
General							
Type Of Flue Installation	B23-C13-C33 C43-C53-C63 C83		B23-C43 C53-C63-C86				
Fuel type-Gas category	2H.2E.2LL.3B/P		2H.2E.2LL.3B				
Nominal Heat Input Qn	kw	27,0	108,5	17,0	121,0	21,5	152,0
Nominal Heat Output Pn at (80-60) °C	kw	26,1	105,4	16,4	116,2	20,9	146,0
Nominal Heat Output Pn at (50-30) °C	kw	29,3	116,1	18,4	126,0	23,4	158,8
Water Operating Pressure	bar	0,8	6,0	0,8	6,0	0,8	6,0
Maximum Operation Temperature	°C	90		90		90	
Cut-off Temp. for Limit Termostad	°C	105		105		105	
Efficiency & Emissions							
Heating Efficiency Q max (80-60) °C	%	97,1		96,0		96,1	
Heating Efficiency Q min (80-60) °C	%	96,8		96,4		97,2	
Heating Efficiency Q max (50-30) °C	%	107,0		104,1		104,5	
Heating Efficiency Q min (50-30) °C	%	108,4		108,2		109,0	
Partial Load, Return 30°C (Direct Method)	%	107,6		109,2		109,1	
Flue Gas Temperature (80-60) °C	°C	58,9	77,1	56,3	88,0	59,4	82,5
Flue Gas Temperature (50-30) °C	°C	32,7	63,5	31,5	64,8	32,4	62,6
CO2 Emissions G20 (Hi: 34.02 MJ/m³)	%	8,8	9,3	8,7	9,4	9,2	9,4
CO Emissions G20 (Hi: 34.02 MJ/m³)	ppm	1	98	1	144	1	174
NOX Emissions G20 (Hi: 34.02 MJ/m³)	mg/kWh	17,13		51,72		98,76	
NOX Class		5		5		4	
Flue Gas Mass G20 (Hi: 34.02 MJ/m³)	g/sec	12,60	48,40	8,03	53,53	9,69	67,25
Nominal Water Circulating Mass Δt=20 C°	m³/h	4,99		5,42		6,83	
Electrical & Gas Connections							
Gas Supply G 20 (Hi: 34.02 MJ/m³)	mBar	21		21		21	
Max Gas Supply Pressure G 20	mBar	25		25		25	
Min Gas Supply Pressure G 20	mBar	17		17		17	
Power Supply Voltage / Frequency	VAC/Hz	230-50					
Power Supply Voltage Tolerance	%	(+%15) / (- %10)					
Electrical Power Max.Absorbed	w	300		300		400	
Electrical Power on Stand-By	w	17		17		17	
Working Conditions, Temperature	°C	+5 / +40		+5 / +40		+5 / +40	
IP Class	-	IP X4D		IP X4D		IP X4D	
Boiler Connections & Dimensions							
Boiler Max. Flue Lenght C11/C33	m	2		-		-	
Boiler Max. Flue Lenght C43-C53-C63-C83	m	25		-		-	
Boiler Max. Flue Lenght B23	m	25		-		-	
Boiler Flow Connection	INCH	1 1/4"		1 1/4"		1 1/4"	
Boiler Return Connection	INCH	1 1/4"		1 1/4"		1 1/4"	
Boiler Gas Connection	INCH	1"		1"		1"	
Siphon Connection for Condens Water	Ø (mm)	25		25		25	
Fresh Air Connection	Ø (mm)	100		100		100	
Flue Gas Pipe Diameter	Ø (mm)	100		100		100	
Boiler Weight, Dry	kg	92		92		98	
Boiler Dimensions WxLxH	mm	557x580x865				557x690x865	

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