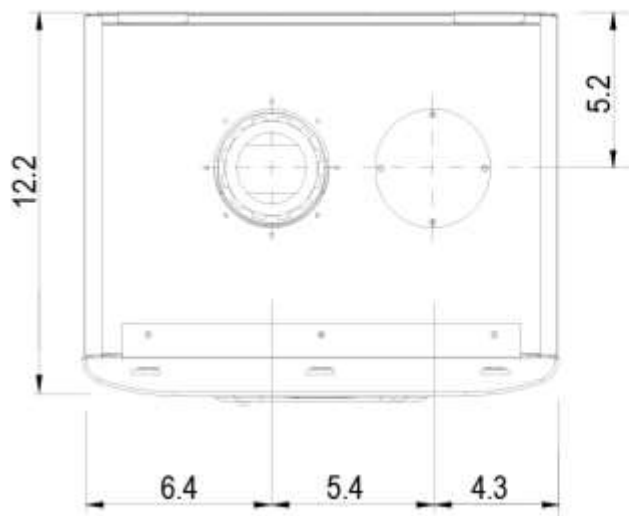
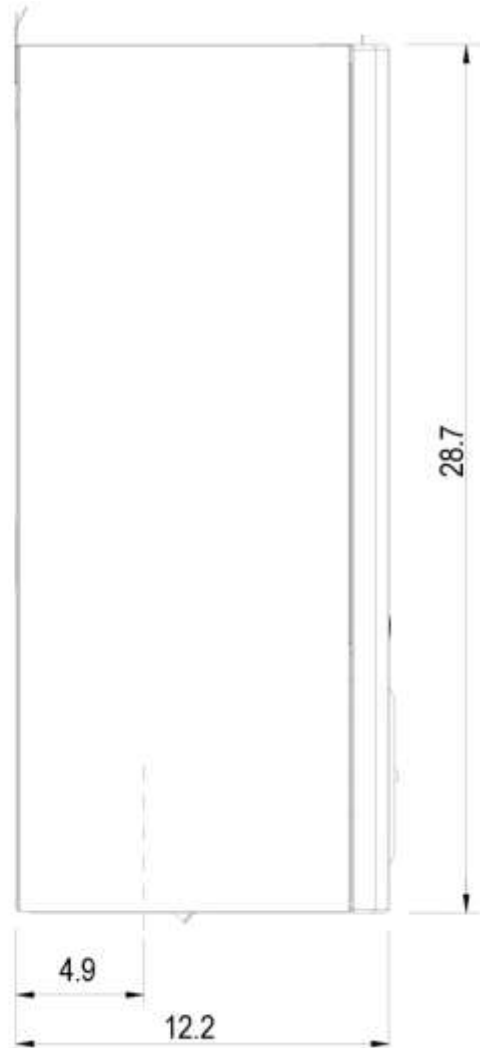
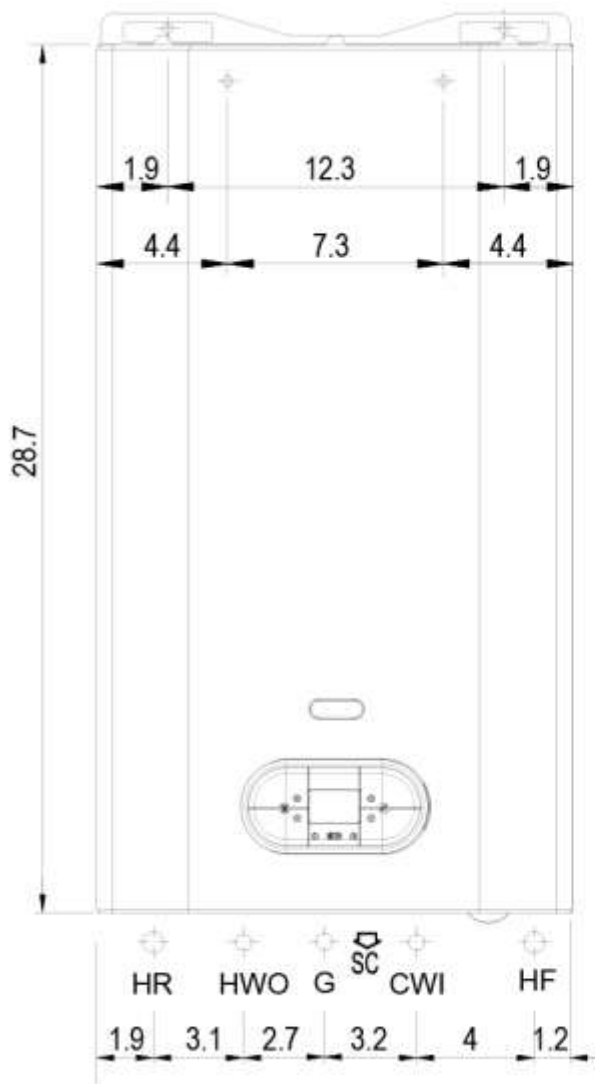


2. TECHNICAL CHARACTERISTICS

2.1 Technical data

Model		PCH 34B-H
CE Certification	n°	0694BN3485
Appliance Type		B23p-B33-C13-C33-C43-C53-C63-C83-C93
Appliance Category		II2H3B/P
Heat Input max	kW - BTU/hr	34 - 116013
Heat Input min	kW - BTU/hr	10 - 34121
Heat Output max - 122/86°F	kW - BTU/hr	36.2 - 123670
Heat Output max - 176/140°F	kW - BTU/hr	33.4 - 114041
Heat Output min - 176/140°F	kW - BTU/hr	9.7 - 33200
AFUE	%	91
Central Heating circuit		
Central Heating water temperature setting (min-max)	°C – °F	35-85 / 25-40 – 95-185 / 77-104
Max. heating working temperature	°C – °F	85-185
Expansion vessel capacity	litres - gal	6 - 1.58
Max. working pressure (heating)	bar - psi	2.1 - 30
Min. working pressure (heating)	bar - psi	0.3 - 4.29
Domestic Hot Water circuit		
D.H.W. temperature setting (min-max)	°C – °F	35-70 – 95-160
Max. Hot water working pressure	bar - psi	6 – 86
Min. Hot water working pressure	bar - psi	0.5 - 7.16
Dimensions (Boiler casing size)		
Width	in	16.1
Height	in	28.7
Depth	in	12.2
Weight (net)	lb	88
Hydraulic connections		
Central Heating Flow connection	Soldier	3/4"
Central heating Return connection	Soldier	3/4"
Central heating flow connection to DHW storage cylinder	Soldier	3/4"
Central heating return connection from DHW storage cylinder	Soldier	3/4"
Cold water mains connection	Soldier	1/2"
Gas connection	NPT	1/2"
Flue systems		
Horizontal-Concentric flue system	Ø mm - in	80/125 - 3.15/5
Max. Flue length	m - ft	8 - 26
2 pipes non concentric flue system (flue and air intake)		See Table Section 3.11
Max. Flue length (from terminal to terminal – 2 pipes)		See Table Section 3.11
Gas Supply		
Natural gas G 20		
Inlet pressure	"wc	6.0 min – 9.0 max
Propane G31		
Inlet pressure	"wc	11.0 min – 14.0 max
Electrical specifications		
Power supply	V/Hz	110/60
Electrical power consumption	W	180
Electrical protection	IP	X4D

2.2 Dimensions



LEGEND		
HR	HEATING RETURN	Ø 3/4"
HF	HEATING FLOW	Ø 3/4"
G	GAS	Ø 1/2"
CWI	COLD WATER INLET	Ø 1/2"
HWO	HOT WATER OUTLET	Ø 1/2"
SC	CONDENSATE DRAIN	Ø 0.98 in