Immergas HE Combi Boiler

Supplied by:

Hunt Heating



MEASUREMENTS





MAIN FLUE KITS

Horizontal concentric kit 60/100 - 3.012000 Vertical concentric kit 60/100 (Black) - 3.01850

MAIN OPTIONS CAR^{v2} - 3.021395 External Sensor - 3.014083 Anti-freeze protection (-15°C) - 3.017324

EXTERNAL CASE - 3.024145

*When ordering an external combi the external case is supplied seperately. Use combi internal product code plus external case code 3.024145.

Immergas HE Combi Boiler

Techincal Data

Model	Code NG./LPG	C.H. heat output kW	Efficiency at nom. heat output	Protection index	Frost protection
HE 35 kW	IMG HE 35C I NG IMG HE 35C I LP	35	96.5%	IPX5D	-5°C
COMBUSTION PARAMETERS					
				NG (G20)	LPG (G30)
Supply Pressure			kPa	1.0	2.8
Flue temperature at nominal output			°C	67	68
TECHNICAL DATA					
Heat output NG			mJ/h(kW)	126 (34.9)	
Heat output LPG			mJ/h (kW)	130 (34.9)	
Burner pressure maximum NG/LPG			kPa	0.70/2.10	
Burner pressure minimum NG/LPG			kPa	0.19/0.55	
Efficiency 80/60 Nom./Min.			%	96.5/92.9	
Specific flow rate (At 25°C)			I/min	20	
Adjustable central heating temperature			°C	35-85	
Expansion vessel factory-set pressure			bar	1	
Pressure relief setting			bar (psi)	3 (44)	
Expansion vessel capacity			L	10	
Head available with 1000 I/h flow rate			kPa (m H ₂ O)	30.2 (3.1)	
Electrical connection			V/Hz	230/50	
Installed electric power			W	175	
Maximum flue length 60/100			m	V 4.7 / H 3.0	
Maximum flue length 80/125			m	V12.2 / H 7.3	
Maximum flue length 80/80			m	V40* / H 20*	



Key:

- *1 Negative signal pressure point*
- 2 Positive signal pressure point
- 3 Sample points (air A) (flue gases F)
- 4 -Flue safety thermostat
- 5 Flue pressure switch
- 6 Fan
- 7 Condensate control level probe
- 8 -Sealed chamber
- 9 -Combustion chamber
- 10 Boiler pump
- 11 System pressure switch 12 - Domestic hot water probe
- 13 Gas valve
- 14 Domestic hot water flow switch
- 15 Manometer
- 16 Condensing heat exchanger 17 - Flow probe
- 18 Safety thermostat
- 19 Flue hood
- 20 Primary heat exchanger
- 21 Ignition and detection electrodes
- 22 Burner
- 23 Air vent valve
- 24 System expansion vessel
- 25 3 bar safety valve
- 26 DHW heat exchanger
- 27 3-way valve (motorised) 28 - Condensate drain trap
- 29 -By-pass
- 30 System draining valve

* Schematic shown here is of HE COMBI INTERNAL. The HE COMBI EXTERNAL has an identical component layout.



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