Product specification Centro 100

Name	Centro 100
Description	Balanced flue build in gas fire. Frontal fire view, minimal frame. Double burner system. High flame picture with relatively low in/output. Several interiors available. Robust wood logs.
Purpose	Balanced flue fire
Type of appliance	Build in fire
Type of combustion	Closed combustion (C_{11} C_{31} C_{91})
Gas	Natural gas G20, G25.3, G25 or propane G31. Conversion from natural gas to propane, v.v., not possible
Flame picture	Yellow log fire

Input rating (H_s) Max output Output range Gas usage high Gas usage low	G25.3: 12.3kW 9.1kW 2.9 -9.1kW 1319 l/h 407 l/h	G25: 12.3kW 9.1kW 2.9 -9.1kW 1319 l/h 407 l/h	G20: 13.0kW 9.8kW 3.4 - 9.8kW 1225 l/h 435 l/h	G31: 11.8kW 8.0kW 2.5 - 8.0kW 435 l/h 137 l/h
Flue gas flow rate Flue gas temperature CO2-max Min. draught required	G25.3: 8,6gr/sec 343°C 4,85% 5Pa	G25: 8,6gr/sec 343°C 4,85% 5Pa	G20: 8,8gr/sec 356°C 5.00% 5Pa	G31: 11,6gr/sec 341°C 3,45% 5Pa
Efficiency class	1			
Energy label	B			C
CE-ID (PIN)	0063CO3260			

Sizes	Engine: WxHxD = 1250x956 … 1006x391mm (height excluding flue spigot) Build in plaster trim: WxH = 1065x698mm Bottom of build in frame: min. 122mm
Flue spigot	Ø200/130mm, top left hand side (excentric)
Removal of combustion products	Natural draught. Powervent® possible.

Flueing possibilities with wall terminal	gas	min. vertical	max. horizont	notes
	natural gas	0.0m	0.0m	bend directly on appliance, wall terminal directly connected to bend: use stainless steel flue material
		0.8-1.0m	7.0m	
	propane	0.8-1m	3m	

Removal of heat	Natural Convvection. Breast ventilation mandatory (>200cm^2)
Control	Honeywell ESYS-02 system. Control options: manual or thermostatic. Clock program (week program) with 6 switch points per day.
Operation	- Radiographic remote control 866MHz, battery operated (2x battery AA). Two way communication. Reading out of fault codes and fault history. Or: - Wireless via tablet (Android or iOS) + app and WIFI, or - Wired, with house management system
Ignition	Electronic ignition on main burner. No pilot burner.
Electrical connection	230VAC
Gas connection	Ø15 fitting with compression nut (adapter supplied in carton box)
Safety	- Ionisation detection. Separate ionisation electrode not only checks ignition, but also cross lighting of main burner. - Explosion hatches
Accessories and options	- PowerVent - Build in frames: - three sided (3S) depth=70mm - four sided (4S) depth=30mm or 70mm _N.B.:_ A build in frame is always necessary and needs to be ordered with the appliance
Weight	Engine: 140kg
Including	Control hatch, wood logs, remote control, batteries, socket wrench no 8 (window glass handle), connector 3/8" male/Ø15 compression nut, and mains wire + plug (EU and UK) L=150+150cm

Special features	Eco-Wave-technics (programmable flame height as function of the time) for lower gas consumption and more lively flames. Double vario-burner®-system, second burner can be switched on/off separately, resulting in great modulation depth.
	Tiltable, bottom hinged, glass window, to be opened with one hand movement, for easy cleaning of the glass. Lifting eye. Lifting handles.
	Control hatch with gas control can be mounted up to about 150cm from the center of the appliance. Appliance contains all 'remote parts' with length of 200cm.

Modification review

Date	Nature of modification
05-09-2013	New specification
04-03-2014	Propane added
20-11-2014	Correction output for G20 and G25