Product specification Cosmo RCH and Cosmo Tunnel Tunnel RCH

Name	Cosmo RCH Cosmo Tunnel RCH
Description	Cosmo: Very luxurious balanced flue build in fire with large frontal fire view . No visible frame. Wood fire with robust wood logs. Easy release glass window. Cosmo Tunnel: As Cosmo, but with two sided fire view (from front as well as from backside). Easy release window on *both* sides.
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 or G25.
Flame picture	Yellow log fire

Input rating (H_s) Max output Output range Gas usage high Gas usage low	G25.3: 21.6kW 15.8kW 5.2 - 15.8kW 2306 l/h 760 l/h	G25: 21.6kW 15.8kW 5.2 - 15.8kW 2306 l/h 760 l/h	G20: 22.2kW 16.3kW 5.7 -16.3kW 2095 l/h 742 l/h
Flue gas flow rate Flue gas temperature CO2-max Min. draught required	15,7gr/sec 364°C 4,65% 5Pa	15,7gr/sec 364°C 4,65% 5Pa	15,2gr/sec 371°C 4,95% 5Pa
Efficiency class	2	2	2

Energy label	B
CE-ID (PIN)	0063BU3078
Sizes	Cosmo BxHxD = 1988x1257 … 1307x709mm Cosmo Tunnel BxHxD = 1988x1257 … 1307x706mm Height excluding flue spigot Depth excluding build in frame(s) Build in frame: BXH = 1839x833mm Bottom of build in frame: min. 186mm.
Flue spigot	Ø200/130mm, top side in the middle
Removal of combustion products	Natural draught. Powervent® not possible. Roof terminal, without bends: - reduce to Ø150/100 after 1st meter vertical Roof terminal with bends: - reduce to Ø150/100 after last bend

Flueing possibilities with wall terminal	gas	min. vertical	max. horizont	notes
	natural gas	1.0m	6m	
	propane	n.a.	n.a.	

Removal of heat	Natural convection. Breast ventilation mandatory (>520cm^2, e.g.2x Lux Lignum).
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 wit appliance. Reading out of fault codes. Fault history can be reaqd out with special (orange) remote. - Wireless via tablet (Android or iOS) + app and WIFI or house management system. - Wired, with house management system
Ignition	Electronic ignition on main burner. No pilot burner.
Electrical connection	230VAC with earth connection
Gas connection	Ø15 fitting with compression nut (adapter 3/8" male/Ø15 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	- Communication module (needed for external operation via tablet or domotics) - Ventilation elements (Lux Lignum)
Weight	ca. 380kg
Including	Control hatch, wood logs, remote control, batteries, socket wrench no 8 (window glass), connector 3/8" male/Ø15 compression nut, and mains wire + plug (EU and UK) L=150cm

Special features	- Burner system with seven burners, partly integrated in the wood logs ((Vario-burner®) for a spectacular flame picture - Eco-Wave-technics (programmable flame height as function of the time) for lower gas consumption and more lively flames. - Easy release system (glass window openable with lever. Window hinged. Window is easily removable, can be lifted out of the henges. For ease of cleaning and maintenance). Cosmo Tunnel: Easy release system on both sides! - Appliance on castor wheels for easy transport. Adjustable feet in carton box. - Build in frame thickness 6mm, depth 70mm, powder coated.

Modification review

Date	Nature of modification
23-04-2015	New specification