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**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 <i>both</i> sides.			
Purpose	Balanced flue fire			
Type of appliance	Build in fire			
Type of combustion	Closed combustion (C <sub>11</sub> C <sub>31</sub> C <sub>91</sub> )			
Gas	Natural gas G20, G25.3 or G25.			
Flame picture	Yellow log fire			
Input rating (H <sub>s</sub> )	G25.3: 21.6kW	G25: 21.6kW	G20: 22.2kW	
Max output	15.8kW	15.8kW	16.3kW	
Output range	5.2 - 15.8kW	5.2 - 15.8kW	5.7 -16.3kW	
Gas usage high	2306 l/h	2306 l/h	2095 l/h	
Gas usage low	760 l/h	760 l/h	742 l/h	
Flue gas flow rate	15,7gr/sec	15,7gr/sec	15,2gr/sec	
Flue gas temperature	364°C	364°C	371°C	
CO <sub>2</sub> -max	4,65%	4,65%	4,95%	
Min. draught required	5Pa	5Pa	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 1 <sup>st</sup> meter vertical Roof terminal with bends: - reduce to Ø150/100 after last bend			
Flueing possibilities with wall terminal	gas	min. vertical	max. horizontal	notes
	natural gas	1.0m	6m	
	propane	n.a.	n.a.	
Removal of heat	Natural convection. Breast ventilation mandatory (>520cm <sup>2</sup> , 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 read 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			



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Special features	<ul style="list-style-type: none"><li>- Burner system with seven burners, partly integrated in the wood logs ((Vario-burner®) for a spectacular flame picture</li><li>- Eco-Wave-technics (programmable flame height as function of the time) for lower gas consumption and more lively flames.</li><li>- Easy release system (glass window openable with lever. Window hinged. Window is easily removable, can be lifted out of the hinges. For ease of cleaning and maintenance). Cosmo Tunnel: Easy release system on both sides!</li><li>- Appliance on castor wheels for easy transport. Adjustable feet in carton box.</li><li>- Build in frame thickness 6mm, depth 70mm, powder coated.</li></ul>
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**Modification review**

Date	Nature of modification
23-04-2015	New specification