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Product specification Cosmo RCH and Cosmo Tunnel RCH *)

Model 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. Anti-reflective glass (Clear View) optionally. 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 C11/C31/C91, with Powervent: C12/C32.			
Gas	Natural gas G20, G25.3 or G25.			
Flame picture	Yellow log fire			
Sizes	Cosmo BxHxD = 1988x1307 ... 1357x709mm Cosmo Tunnel BxHxD = 1988x1307 ... 1357x706mm Height including 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® possible. Roof terminal, without bends: - reduce to Ø150/100 after 1 st 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	0.8m	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 with 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	- PowerVent - Communication module (needed for external operation via tablet or domotics) - Clear View glass - 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	- The appliance can be operated with an app on tablet (Android or iOS) or smart phone. - 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 hinges. For ease of cleaning and maintenance). Cosmo Tunnel: Easy release system on both sides!			



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	<ul style="list-style-type: none"> - Appliance on castor wheels for easy transport. Adjustable feet in carton box. - Four sided build in frame thickness 6mm, depth 70mm, powder coated, can be converted to a 3-sided build in frame by removing the bottom strip. A stone hearth (e.g.) can than continue till the glass. - Maximum distance control hatch to the side of the appliance: <ul style="list-style-type: none"> - left 40cm - right 40cm
CE-ID (PIN)	0063BU3078

*) Consult installation manual for the details.

Gas type:	G25	G25.3	G20	Unit
Maximum output	15,7	15,7	16,3	kW
Minimum output	4,9	4,9	6,0	kW
Input rating (Hs)	21,5	21,5	22,2	kW
Gas usage high	2303	2303	2105	l/h
Gas usage low	738	738	836	l/h
Fluegas Temperature (12m vertical or testflue EN613)	364	364	371	°C
CO2 (12m vertical or testflue EN613)	4,65	4,65	4,95	%
Fluegas flow (12m vertical or testflue EN613)	15,43	15,43	15,26	gr/sec
Min. draught required	5	5	5	Pa
Efficiency class (acc to EN613)	2	2	2	
NOx class (acc to EN613)	5	5	5	
Efficiency (system efficiency)	89,5	89,5	89,3	%
Energy Efficiency Index	89	89	89	
Energie Efficiency Class	A	A	A	

Modification review

Date	Nature of modification
23-04-2015	New specification
26-10-2017	Update of gas technical specifications
30-03-2018	Powervent possible starting 01-04-2018
26-06-2018	Update, a.o. max distance to control hatch added
06-02-2019	Conversion buil;di9n frame from 4S to 3S added.
23-04-2019	Type of combustion: for appliances with PowerVent C12/C32 added