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**Product specification Maestro 75 Tunnel RCH \***

Modelname	Maestro 75 Tunnel RCH			
Description	Balanced flue build in gas fire with two sided fire view, intended to be used as a room divider, with minimal frame. Double burner system, top burners can be switched off (Dynamic Flame Burner®). Easily openable front window (Easy Release® glass window). High flame picture with relatively low in/output. Anti-reflective glass (Clear View) and Eco Glow (LED) optionally. Robust wood logs.			
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, G25, Butane G30, Propane G31. Conversion from natural gas to propane, v.v., not possible			
Flame picture	Yellow log fire			
Sizes	Engine: WxHxD = 981 x 1180 x 478 mm (height including flue spigot) Build in plaster trim: WxH = 750 x 660 mm Bottom of build in frame: min. 110mm			
Flue spigot	Ø200/130mm, top side, one side of flue fire			
Removal of combustion products	Natural draught. Powervent® possible.			
Flueing possibilities with wall terminal	gas	min. vertical	max. horizontal	notes
	natural gas, propane, butane	0.0m	0m	Bend directly on appliance, wall terminal directly connected to bend: use stainless steel flue material
		≥0.5m	3m	Wall terminal Ø200/130
		≥0.8m	8m	Wall terminal Ø200/130
		≥0.0m	1m	Wall terminal Ø150/100; reduce just after bend, then directly install wall terminal
Removal of heat	Breast ventilation mandatory (>200cm <sup>2</sup> ). When Eco Glow is used additional ventilation is needed.			
Control	RCH = Honeywell ESYS-02 system. Control options: manual or thermostatic. Clock program (week program) with 6 switch points per day.			
Operation	<ul style="list-style-type: none"> <li>- Radiographic remote control 866MHz, battery operated (2x battery AA).</li> <li>- Two way communication. Reading out of fault codes and fault history. Or:</li> <li>- Wireless via tablet (Android or iOS) or smart phone + app and WIFI, or</li> <li>- Wired, with house management system</li> </ul>			
Ignition	Electronic ignition on main burner. No pilot burner.			
Electrical connection	230VAC with earth connection			
Gas connection	Ø15 fitting with compression nut (adapter supplied in carton box)			
Safety	<ul style="list-style-type: none"> <li>- Ionisation detection. Separate ionisation electrode not only checks ignition, but also cross lighting of main burner.</li> <li>- Explosion hatches</li> </ul>			
Accessories and options	<ul style="list-style-type: none"> <li>- Eco Glow switchable via the remote control and at a later stage via app (control unit Eco Glow - Honeywell Esys - DFGT).</li> <li>- PowerVent (at a later stage)</li> <li>- Communication module (needed for external operation via tablet/app, smartphone or domotics)</li> <li>- Anti-reflective glass (Clear View)</li> <li>- Set extension legs</li> </ul>			
Weight	160kg			
Including	Control hatch, wood logs, glowing 'wool', 'ashes', 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	<ul style="list-style-type: none"> <li>- The appliance can be suited with Eco Glow (optionally) which can be separately turn on and off, even when the appliance is not burning.</li> </ul>			



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	<ul style="list-style-type: none"> <li>- The appliance can be operated with an app on tablet (Android or iOS) or smart phone.</li> <li>- Eco-Wave-techniques (programmable flame height as function of the time) for lower gas consumption and more lively flames.</li> <li>- Triple vario-burner®-system, top two burners can be switched on/off separately, resulting in great modulation depth.</li> <li>- Top two burners (Dynamic flame burners®) are hidden in the wood logs, thus resulting in a very realistic flame picture.</li> <li>- Tiltable, bottom hinged, removable glass window (Easy Release door system®), to be opened with one hand movement, for easy cleaning of the glass.</li> <li>- 4-sided build in frame 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.</li> <li>- Maximum distance control hatch to the side of the appliance:             <ul style="list-style-type: none"> <li>- left 50cm</li> <li>- right 50cm</li> </ul> </li> </ul>
CE-ID (PIN)	0063CS3282

\* Consult installation manual for the details.

Gas type:	G25	G25.3	G20	G30	G31	Unit
Maximum output	8,5	8,5	9,1	11,1	9,5	kW
Minimum output	1,5	1,5	1,7	2,2	1,9	kW
Input rating (Hs)	12,0	12,0	12,7	14,4	12,5	kW
Gas usage high	1294	1294	1209	409	467	l/h
Gas usage low	221	221	232	87	100	l/h
Fluegas Temperature (12m vertical or testflue EN613)	299	299	307	325	313	°C
CO2-max (12m vertical or testflue EN613)	3,82	3,82	4,07	6,20	5,42	%
Fluegas flow (12m vertical or testflue EN613)	10,48	10,48	10,62	9,50	9,20	gr/sec
Min. draught required	5	5	5	5	5	Pa
Efficiency class (acc to EN613)	1	1	1	1	1	
NOx class (acc to EN613)	5	5	5	5	5	
Efficiency (system efficiency)	93,0	93,0	93,0	94,3	93,6	%
Energy Efficiency Index	92	92	93	94	93	
Energie Efficiency Class	<b>A</b>	<b>A</b>	<b>A</b>	<b>A</b>	<b>A</b>	

#### Modifications review

Date	Nature of modification
22-12-2017	New specification
30-04-2018	Powervent possible starting 01-04-2018
17-05-2018	Propane and Butane added
06-02-2019	Possibility to convert build in frame from 4S to 3S added
23-04-2019	Type of combustion: for appliances with PowerVent C12/C32 added
13-07-2020	Added Eco Glow as an option