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**Product specification Maestro 100 RCH \*)**

Model name	Maestro 100 RCH			
Description	Balanced flue build in gas fire. Frontal fire view, 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. Several interiors available. Anti-reflective glass (Clear View) optionally. Robust wood logs.			
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, G25 or propane G31. Conversion from natural gas to propane, v.v., not possible			
Flame picture	Yellow log fire			
Sizes	Engine: WxHxD = 1231x1130 ... 1180x400mm (height including flue spigot) Build in plaster trim: WxH = 1064x697mm Bottom of build in frame: min. 110mm			
Flue spigot	Ø200/130mm, top side in the middle			
Removal of combustion products	Natural draught. Powervent® possible at a later stage			
Flueing possibilities with wall terminal	gas	min. vertical	max. horizontal	notes
	natural gas	0.0m	0m	Bend directly on appliance, wall terminal directly connected to bend: use stainless steel flue material
		>0.5m	4m	Wall terminal Ø200/130
		>0.8m	6m	Wall terminal Ø200/130
		≥0.5m	0m	Wall terminal Ø150/100; reduce just before bend
		≥0.8m	1m	Wall terminal Ø150/100; reduce just after bend
propane	As natural gas	As natural gas		
Removal of heat	Breast ventilation mandatory (>200cm <sup>2</sup> )			
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). 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>- PowerVent (at a later stage)</li> <li>- Communication module (needed for external operation via tablet/app, smartphone or domotics)</li> <li>- Anti-reflective glass</li> <li>- Set extension legs</li> </ul>			
Weight	184 kg			
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 operated with an app on tablet (Android or iOS) or smart phone.</li> <li>- Eco-Wave-technics (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</li> </ul>			



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	<p>separately, resulting in great modulation depth.</p> <ul style="list-style-type: none"> <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           60cm</li> <li>- right         60cm</li> </ul> </li> </ul>
CE-ID (PIN)	0063CR3382

\*) Consult installation manual for the details.

Gas type:	G25	G25.3	G20	G31	Unit
Maximum output	9,3	9,3	10,0	10,2	kW
Minimum output	1,9	1,9	2,3	2,3	kW
Input rating (Hs)	13,2	13,2	14,0	13,4	kW
Gas usage high	1396	1396	1308	488	l/h
Gas usage low	323	323	339	117	l/h
Flue gas temperature (at 12m vert. / acc to EN613)	316	316	326	332	°C
CO2-max (at 12m vert. / acc to EN613)	3,79	3,79	4,13	5,21	%
Flue gas flow rate (at 12m vert. / acc to EN613)	11,62	11,62	11,54	10,22	gr/sec
Min. draught required	5	5	5	5	Pa
Efficiency class (acc to EN613)	1	1	1	1	
NOx class (acc to EN613)	4	4	4	5	
Efficiency (system efficiency)	91,8	91,8	92,1	91,2	%
Energy Efficiency Index	91	91	92	91	
Energie Efficiency Class	<b>A</b>	<b>A</b>	<b>A</b>	<b>A</b>	

#### Modifications review

Date	Nature of modification
21-02-2017	New specification
26-04-2017	Propane added
20-06-2017	Height now including flue spigot. Several other modifications.
26-10-2017	Update of gas technical specifications