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**Product specification Metro 100XTU-41 RCH \*)**

Model name	Metro 100XTU-41 RCH			
Description	Balanced flue build in gas fire with U-shaped three sided fire view, intended to be used as a room divider. Also fit for semi half high or semi floating installation. No visible frame. Several interiors available. Anti-reflective glass (Clear View) optionally. Several burner beds available.			
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 and propane G31. Conversion from natural gas to propane, vice versa, not possible.			
Flame picture	Yellow log fire or fire on pebbles or glass.			
Sizes	Engine	WxHxD = 1374x815...835x434mm (height including flue spigot)		
	Build in frame	front + back: WxH = 1044x418mm side: WxH = 398x418mm		
	Bottom side built in frame: min 200mm			
Flue spigot	Ø200/130mm, at left hand side of the appliance			
Removal of combustion products	Natural draught. Powervent® possible.			
Flueing possibilities with wall terminal	gas	min. vertical	max. horizontal	notes
	natural gas	0.0m	0m	Bend directly on appliance, wall terminal Ø200/130 directly connected to bend. Use stainless steel wall terminal!
		0.5m	3m	Wall terminal Ø200/130
		0.8m	8m	Wall terminal Ø200/130
	2m		Wall terminal Ø150/100; reduce just after bend.	
	propane	0.0m	0m	Bend directly on appliance, wall terminal Ø200/130 directly connected to bend. Use stainless steel wall terminal!
		0.5m	2m	Wall terminal Ø200/130
		0.8m	8m	Wall terminal Ø200/130
			0m	Wall terminal Ø150/100; reduce just after bend.
Removal of heat	Natural convection. 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) + 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</li> <li>- Communication module (needed for external operation via tablet/app, smart phone or domotics)</li> <li>- Anti reflective glass (Clear View)</li> <li>- Support frame</li> <li>- Extension legs</li> <li>- 8S-frame custom made (eight sided frame, thickness 4mm)</li> </ul>			
Weight	145kg			



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Including	Control hatch, wood logs, pebbles, or glass set, glowing material, remote control, batteries, socket wrench no 8 + allen key + suction cup (for removing glass panes), wall mounting material, connector 3/8" male/Ø15 compression nut, and mains wire + plug 230V (EU and UK) L=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>- Vario-burner® with zigzag (gives depth to flame picture).</li> <li>- Supports for plateau adjustable in height:             <ul style="list-style-type: none"> <li>- highest position: hole in plateau covered by decorative strip. Hole needs not to be sawed/finished neatly. Plateau thickness &gt; 30mm possible.</li> <li>- Plateau continues till the glass and is supported by the adjustable brackets. Plateau thickness ≤30mm. Decorative strip is not used.</li> </ul> </li> <li>- Maximum distance control hatch to the side of the appliance:             <ul style="list-style-type: none"> <li>- left 30cm (for natural gas, for propane: 45cm)</li> <li>- right 50cm (for natural gas, for propane: 40cm)</li> </ul> </li> </ul>
CE-ID (PIN)	0063CP3712

\*) Consult installation manual for the details.

Gas type:	G25	G25.3	G20	G30	G31	Unit
Maximum output	9,0	9,0	9,6	10,6	9,1	kW
Minimum output	3,3	3,3	4,3	4,8	4,1	kW
Input rating (Hs)	12,0	12,0	12,7	13,7	12,1	kW
Gas usage high	1287	1287	1198	386	446	l/h
Gas usage low	560	560	587	180	212	l/h
Flue gas temperature (at 12m vert. / acc to EN613)	315	315	349	367	360	°C
CO2-max (at 12m vert. / acc to EN613)	5,10	5,10	5,52	5,50	4,75	%
Flue gas flow rate (at 12m vert. / acc to EN613)	7,85	7,85	7,83	10,12	10,13	gr/sec
Min. draught required	5	5	5	n.a.	5	Pa
Efficiency class (acc to EN613)	1	1	1	n.a.	1	
NOx class (acc to EN613)	5	5	5	5	5	
Efficiency (system efficiency)	n.a.	n.a.	n.a.	n.a.	n.a.	%
Energy Efficiency Index	82	82	83	84	84	
Energie Efficiency Class	<b>B</b>	<b>B</b>	<b>B</b>	<b>B</b>	<b>B</b>	

#### Modification review

Date	Nature of modification
14-08-2014	New specification
26-07-2017	Update (NOx class added, max horizontal flue lengths for propane added)
26-10-2017	Update of gas technical specifications