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**Product specification Metro 100XT-41 RCH and Metro 100XT-41 Tunnel RCH \*)**

Model name	Metro 100XT-41 RCH Metro 100XT-41 Tunnel RCH			
Description	<p>Metro 100XT: Balanced flue build in gas fire. Frontal fire view, minimal frame. Easily openable front window (Easy Release glass window). Several interiors available. Several burner beds available. Anti-reflective glass (Clear View) optionally.</p> <p>Metro 100XT Tunnel: As Metro 100XT-41 RCH, but with two sided fire view (front as well as back side). Easy Release® glass window on one side only.</p>			
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 and propane G31. Conversion from natural gas to propane, vice versa, not possible.			
Flame picture	Yellow fire with either logs, pebbles or glass.			
Sizes	<p>Metro 100XT-41: WxHxD = 1247x818 ... 868x380mm</p> <p>Metro 100XT-41 Tunnel: WxHxD = 1247x818 ... 868x419mm (height including flue spigot)</p> <p>Build in plaster trim: WXH = 1061x428mm (thickness 4mm)</p> <p>Bottom of build in frame: min. 196mm.</p>			
Flue spigot	Ø200/130mm, at top left hand side of the appliance			
Removal of combustion products	Natural draught. Powervent® possible.			
Flueing possibilities with wall terminal	gas	min. vertical	max. horizont	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	4m	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	<p>RCH = Honeywell ESYS-02 system.</p> <p>Control options: manual or thermostatic.</p> <p>Clock program (week program) with 6 switch points per day.</p>			
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, smartphone or domotics)</li> <li>- Anti-reflective glass</li> <li>- Extension legs</li> </ul>			
Weight	<p>Metro 100XT-41: 145kg</p> <p>Metro 100XT-41 Tunnel: 145kg</p>			
Including	Control hatch, wood logs, pebbles or glass set, glowing wool, remote control, batteries, socket wrench no 8 (fixation screw window glass lever), connector 3/8"			



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	male/Ø15 compression nut, and mains wire + plug (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>- 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>- Vario burner® with zig zag (gives depth to flame picture)</li> <li>- Maximum distance control hatch to the side of the appliance:             <ul style="list-style-type: none"> <li>- left 50cm (for natural gas, for propane: 65cm)</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>	

#### Modifications review

Date	Nature of modification
15-09-2014	New specification
12-01-2015	Propane G31, butane G30 and town gas G150.1 added
22-06-2017	Max horizontal lengths for propane added.
26-10-2017	Update of gas technical specifications