**Product specification Lugo 80 RCH \*)**

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| Model name | Lugo 80/2 RCH<br>Lugo 80/3 RCH |
| Description | Lugo 80/2    Balanced flue build in gas fire. Two sided fire view. Minimal frame. Several interiors available. Robust wood logs.<br>Lugo 80/3    As Lugo 80/2, but with three sided fire view. |
| Purpose | Balanced flue fire |
| Type of appliance | Build in fire |
| Type of combustion | Closed combustion ($C_{11}$ $C_{31}$ $C_{91}$) , with Powervent: C12/C32. |
| Gas | Natural gas G20, G25.3 or G25 and propane G31. Conversion from natural gas to propane, v.v., not possible. |
| Flame picture | Yellow log fire |
| Sizes | Lugo 80/2    Engine:                        WxHxD = 803x795 … 815x460mm<br>                   Build in plaster trim:    WxHxD = 803x448x383mm<br>Lugo 80/3    Engine:                        WxHxD = 856x795 … 815x460mm<br>                   Build in plaster trim:    WxHxD = 856x448x383mm<br>                   (height including flue spigot)<br>Bottom of build in frame: min. 165mm |
| Flue spigot | Ø150/100mm, centre of top side |
| Removal of combustion products | Natural draught. Powervent® possible. |

| Flueing possibilities with wall terminal | gas | min. vertical | max. horizont | notes |
|---|---|---|---|---|
| | natural gas | 1.0m | 3m | |
| | propane | 1.0m | 3m | |

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| Removal of heat | Natural convection. Breast ventilation mandatory (>200cm$^2$) |
| Control | RCH = Honeywell ESYS-02 system.<br>Control options: manual or thermostatic.<br>Clock program (week program) with 6 switch points per day. |
| Operation | - Radiographic remote control 866MHz, battery operated (2x battery AA). Two way  communication. Reading out of fault codes and fault history. Or:<br>- Wireless via tablet (Android or iOS) + app and WIFI, or<br>- 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 supplied in carton box) |
| Safety | - Ionisation detection. Separate ionisation electrode not only checks ignition, but also cross lighting of main burner.<br>- Explosion hatches |
| Accessories and options | - PowerVent<br>- Communication module (needed for external operation via tablet/app, smart phone  or domotics)<br>- Iron lintel<br>- Control hatch with a lock (needed for safety reasons when installed in a breast)<br>- Set of support brackets for a plateau<br>- Extension legs<br>- Lugo 80/2:        6S-frame custom made (six sided frame, thickness 4mm)<br>   Lugo 80/3:        8S-frame custom made (eight sided frame, thickness 4mm) |
| Weight | 95kg |
| Including | Lugo 80/2+3: Wood logs, remote control, batteries, glowing wool, socket wrench no 8 (removing front glass pane), connector 3/8" male/Ø15 compression nut, and mains wire + plug (EU and UK) L=150cm. Protective cover electricity (for installation on a plateau). Wall fixation strip + 4 wedge bolts.<br>Lugo 80/2:    In addition: allen key 2.5 + suction cup to remove front glass pane |

| Special features | - The appliance can be operated with an app on tablet (Android or iOS) or smart phone.<br>- Eco-Wave-technics (programmable flame height as function of the time) for lower gas consumption and more lively flames.<br>- Supports for plateau adjustable in height:<br>   - highest position: hole in plateau covered by decorative strip. Hole needs not to be sawed/finished neatly. Plateau thickness > 30mm possible.<br>   - Plateau continues till the glass and is supported by the adjustable brackets.<br>    Plateau thickness $\leq$30mm. Decorative strip is not used.<br>- Appliance can be hung on wall. Extension legs then not necessary (though possible).<br>- Maximum distance control hatch to the side of the appliance:<br>   - left   55cm<br>   - right  55cm |
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| CE-ID (PIN) | 0063CO3529 |

**\*) Consult installation manual for the details.**

| Gas type: | G25 | G25.3 | G20 | G31 | Unit |
|---|---|---|---|---|---|
| Maximum output | 6,5 | 6,5 | 6,9 | 6,3 | kW |
| Minimum output | 2,8 | 2,8 | 3,4 | 3,2 | kW |
| Input rating (Hs) | 8,9 | 8,9 | 9,4 | 8,8 | kW |
| Gas usage high | 962 | 962 | 895 | 320 | l/h |
| Gas usage low | 447 | 447 | 460 | 168 | l/h |
| Fluegas Temperature (12m vertical or testflue EN613) | 400 | 400 | 407 | 389 | °C |
| $CO_2$ (12m vertical or testflue EN613) | 5,40 | 5,40 | 5,80 | 5,28 | % |
| Fluegas flow (12m vertical or testflue EN613) | 5,50 | 5,40 | 5,52 | 6,62 | gr/sec |
| Min. draught required | 5 | 5 | 5 | 5 | Pa |
| Efficiency class (acc to EN613) | 2 | 2 | 2 | 2 | |
| NOx class (acc to EN613) | 5 | 5 | 5 | 5 | |
| Efficiency (system efficiency) | 90,3 | 90,3 | 91,0 | 90,8 | % |
| Energy Efficiency Index | 90 | 90 | 90 | 90 | |
| Energie Efficiency Class | **A** | **A** | **A** | **A** | |

**Modification review**

| Date | Nature of modification |
|---|---|
| 25-10-2013 | New specification |
| 24-04-2014 | Propane added |
| 10-10-2017 | Full update |
| 26-10-2017 | Update of gas technical specifications |
| 23-04-2019 | Type of combustion: for appliances with PowerVent C12/C32 added |
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