



designed to be different

**Product specification Lugo 70 RCH \*)**

|  |   |               |                 |       |
|--|---|---------------|-----------------|-------|
| Model name                               | Lugo 70/2 RCH<br>Lugo 70/3 RCH  |               |                 |       |
| Description                              | Lugo 70/2      Balanced flue build in gas fire. Two sided fire view. Minimal frame. Several interiors available. Robust wood logs.<br>Lugo 70/3      As Lugo 70/2, but with three sided fire view.  |               |                 |       |
| 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, v.v., not possible.  |               |                 |       |
| Flame picture                            | Yellow log fire   |               |                 |       |
| Sizes                                    | Lugo 70/2      Engine:                      WxHxD = 698x795 ... 815x400mm<br>Build in plaster trim:      WxHxD = 698x448x323mm<br>Lugo 70/3      Engine:                      WxHxD = 698x795 ... 815x400mm<br>Build in plaster trim:      WxHxD = 751x448x323mm<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. horizontal | notes |
|  | natural gas   | 1.0m          | 3m              |       |
|  | propane   | 1.0m          | 3m              |       |
| Removal of heat                          | Natural convection. Breast ventilation mandatory (>200cm <sup>2</sup> )   |               |                 |       |
| 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 Øsupplied 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 70/2:              6S-frame custom made (six sided frame, thickness 4mm)<br>Lugo 70/3:              8S-frame custom made (eight sided frame, thickness 4mm) |               |                 |       |
| Weight                                   | 84kg  |               |                 |       |
| Including                                | Lugo 70/2+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 70/2:              in addition: allen key 2.5 + suction cup to remove front glass pane  |               |                 |       |



designed to be different

|                  |   |
|------------------|---|
| 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>- 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>- Appliance can be hung on wall. Extension legs then not necessary (though possible).</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)      | 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    |
| Flue gas temperature (at 12m vert. / acc to EN613) | 400      | 400      | 407      | 389      | °C     |
| CO2-max (at 12m vert. / acc to EN613)              | 5,40     | 5,40     | 5,80     | 5,28     | %      |
| Flue gas flow rate (at 12m vert. / acc to 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                           | <b>A</b> | <b>A</b> | <b>A</b> | <b>A</b> |        |

#### 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 |
|            |  |