

# LOGIC COMBI ESP1.

#### 30 35 24

### **HIGH EFFICIENCY COMBINATION BOILERS**



#### **KEY FEATURES**

- Easy to see pressure gauge
- Large backlit display with user friendly controls
- Low lift weight (starting from 28.9kg)
- Low component count maximising reliability
- Achieves improved SAP and DER performance for standard combination boiler usage

#### RELIABLE

- Energy Saving Trust endorsed
- 2 year parts and labour warranty
- Fully modulating operation to low outputs
- Automatic bypass
- Boiler frost protection
- Built-in, easy to use filling loop
- Simple diverter valve design
- Two stage flame sensing for greater reliability
- Latest generation Honeywell gas valve

#### **EASY TO INSTALL**

- Compact cupboard fit
- Fast fix flues
- Wide range of additional flueing options
- Preformed copper tailsEasy access to PRV and AAV
- Pre-wired mains lead (2m)
- Universal condensate connection
- Stand off kit including piping available
- Pre-piping kit
- Compatible with a range of additional controls inc. weather compensation
- LPG conversion kit available for 35 kW boilers



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DIMENSIONS IN MM

## **CLEARANCES & DIMENSIONS.**

2.5 from case - 2.5 395 278 165 8 8 min. ţ Height: 700mm Width: 395mm Flue terminal Depth: 278mm 700  $00 \square 00$ 00 🗌 00 ¥ 100' ł 400

Note: The minimum front clearance when built in to a cupboard is 5mm from the cupboard door but 450mm overall clearance with the cupboard door open is required for servicing. \*Bottom clearance after installation can be reduced to 5mm. However, 100mm is required for servicing.

## **TECHNICAL SPECIFICATIONS.**

| BOILER MODEL  | 24         | 30         | 35         |
|---|------------|------------|------------|
| Weight (packaged) kg                                | 33.7       | 33.8       | 33.9       |
| Max installation weight kg                          | 28.9       | 29.0       | 29.1       |
| CH output (kW) min/max mean 70°C                    | 4.8 - 24.2 | 6.1 - 24.2 | 7.1 - 24.2 |
| CH output (kW) min/max mean 40°C                    | 5.1 - 25.6 | 6.4 - 25.6 | 7.5 - 25.6 |
| DHW output (kW) max                                 | 24.2       | 30.3       | 35.3       |
| DHW flow rate I/min. 35°C rise                      | 9.9        | 12.4       | 14.5       |
| SEDBUK rating (2005) %                              | 91.1       | 91.1       | 91.1       |
| SEDBUK rating (2009/2012) %                         | 89.6       | 89.6       | 89.6       |
| NOx classification                                  | CLASS 5    | CLASS 5    | CLASS 5    |
| Convert to LPG                                      | No         | No         | Yes        |
| Max horizontal flue*                                | 9m         | 8m         | 6m         |
| Max vertical flue*                                  | 7.5m       | 7.5m       | 7.5m       |
| Powered vertical flue <sup>+</sup>                  | 22m        | 22m        | 22m        |
| Condensing boiler                                   | Yes        | Yes        | Yes        |
| Seasonal space heating efficiency class             | А          | А          | А          |
| Rated heat output kW                                | 24         | 24         | 24         |
| Seasonal space heating energy efficiency $\eta_s$ % | 94         | 94         | 94         |
| Sound power level, indoors LwA dB                   | 48         | 46         | 44         |
| Water heating energy efficiency class               | А          | А          | А          |

Available Flue Extensions 0.5m, 1m and 2m. Multiple flue kits available.

\* Each 90° elbow used is at the expense of 1000mm of straight flue run, and each 45° elbow is used at the expense of 600mm of straight flue run.
\* Typical combined primary and secondary length. See installation instructions for more details. Note: The Flue Deflector Kit is used at the expense of 1000mm of straight flue run.