

# Technical Documentation

According to Regulation (EU) 2015/1186

## Hi-Flame Brogan WF905 & WF905-LS with log store

### Technical parameters for solid fuel local space heaters

|                                       |  |
|---------------------------------------|--|
| <b>Model Identification</b>           | Hi-Flame Brogan Solid Fuel Room Heater WF905 & WF905-LS (with Log Store) |
| <b>Indirect Heating Functionality</b> | No   |
| <b>Direct Heating Output</b>          | 5.0kW  |
| <b>Indirect Heating Output</b>        | N/A  |

|  |   |
|--|---|
| <b>Harmonised standard applied</b>     | EN 13240:2001/ A2.2004 + EN 13240 A2:2005                             |
| <b>EU notified laboratory / number</b> | Kiwa Gastec, Bishops Cleeve, Cheletenham GL52 7DQ. Notified Body 0692 |
| <b>Test report</b>                     | Test report number 60945 June 2017 (Type testing under System 3)      |

### Fuel types

| <b>Fuel</b>                                  | <b>Preferred fuel (only one)</b> | <b>Other suitable fuel(s)</b> |
|--|----------------------------------|-------------------------------|
| Wood logs with moisture content $\leq 25$ %  | YES                              |                               |
| Compressed wood with moisture $< 12$ %       |                                  | YES                           |
| Other woody biomass                          |                                  | YES                           |
| Non-woody biomass                            |                                  | NO                            |
| Anthracite (approved smokeless fuel)         |                                  | YES                           |
| Hard coke                                    |                                  | NO                            |
| Low temperature coke                         |                                  | NO                            |
| Bituminous coal                              |                                  | NO                            |
| Lignite briquettes (approved smokeless fuel) |                                  | YES                           |
| Peat briquettes                              |                                  | NO                            |
| Blended biomass and fossil fuel briquettes   |                                  | NO                            |
| Other fossil fuel                            |                                  | NO                            |
| Blended biomass and fossil fuel briquettes   |                                  | NO                            |
| Other blend of biomass and solid fuel        |                                  | NO                            |

### Characteristics when operating with the preferred fuel

|  |      |
|--|------|
| Seasonal space heating efficiency $\eta_s$ [%] | 68   |
| Energy Efficiency Index (EEI)                  | 100  |
| CO (%) @13% O <sub>2</sub>                     | 0.10 |

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### Heat output

| Item                             | Symbol    | Value | Unit |
|----------------------------------|-----------|-------|------|
| Nominal heat output              | $P_{nom}$ | 5.0   | kW   |
| Minimum heat output (indicative) | $P_{min}$ | N/A   | kW   |

### Auxiliary electricity consumption

| Item                   | Symbol     | Value | Unit |
|------------------------|------------|-------|------|
| At nominal heat output | $eI_{max}$ | N/A   | kW   |
| At minimum heat output | $eI_{min}$ | N/A   | kW   |
| At stand-by mode       | $eI_{SB}$  | N/A   | kW   |

### Permanent pilot flame power requirement

| Item  | Symbol      | Value | Unit |
|---|-------------|-------|------|
| Pilot flame power requirement (if applicable) | $P_{pilot}$ | N/A   | kW   |

### Useful efficiency (NCV as received)

| Item  | Symbol           | Value | Unit |
|---|------------------|-------|------|
| Useful efficiency at nominal heat output              | $\eta_{th\ nom}$ | 76.2  | %    |
| Useful efficiency at minimum heat output (indicative) | $\eta_{th\ min}$ | N/A   | %    |

### Type of heat output/room temperature control (select one)

| Item   |     |
|--|-----|
| single stage heat output, no room temperature control    | YES |
| two or more manual stages, no room temperature control   | NO  |
| with mechanical thermostat room temperature control      | NO  |
| with electronic room temperature control                 | NO  |
| with electronic room temperature control plus day timer  | NO  |
| with electronic room temperature control plus week timer | NO  |

### Other control options (multiple selections possible)

| Item   |    |
|--|----|
| room temperature control, with presence detection    | NO |
| room temperature control, with open window detection | NO |
| with distance control option                         | NO |

### Contact details

|  |                 |
|--|-----------------|
| Name and address of authorised representative  |                 |
| Hi-Flame Fireplace (UK) Limited<br>Holmes Chapel Business Park, Manor Lane, Homes Chapel, Cheshire CW4 8AF. info@hi-flame.ie | www.hi-flame.ie |



Geoff Royle, Technical Director  
Hi-Flame Fireplace (UK) Limited

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