

Technical Documentation

According to Regulation (EU) 2015/1186

Hi-Flame Alpha I AL905 & AL905-LS with log store

Technical parameters for solid fuel local space heaters

Model Identification	Hi-Flame Alpha I Solid Fuel Room Heater AL905 & AL905-LS (with Log Store)
Indirect Heating Functionality	No
Direct Heating Output	5.0kW
Indirect Heating Output	N/A

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

Fuel types

Fuel	Preferred fuel (only one)	Other suitable fuel(s)
Wood logs with moisture content ≤ 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 η_s [%]	68
Energy Efficiency Index (EEI)	100
CO (%) @13% O ₂	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	
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