

FEATURES

Robust stainless steel housing suitable for onshore and offshore usage, including offshore marine installations, gas installations, aircraft hangars, munition stores, spray shops, battery stores, fuel servicing areas, portable washdown heaters and many more.

Up to 20kW (40kW with EXHEAT Advanced Controls) of thermal power can be directed to heat areas within a larger room, or warm a mid-sized room to a comfortable operating temperature.

Suitable for ambient temperatures as low as -40°C and up to +40°C.

Available in T3 and T4 temperature classes.

LFH Fixed Fan Heater



EXHEAT Industrial's LFH Fixed Fan Heater combines superior efficiency with simple functionality to provide a next-generation heating solution for use in hazardous environments where the atmosphere is classified as Zone 1/2 (IIB+H2).

Certified to the new EN 80079-36 and EN 80079-37 standards for constructional safety, the LFH comes ready to 'plug and play', with the option of fitting a plug, or hard wiring to an isolator unit.

Incorporating a stainless steel casing for added toughness and durability, the LFH is designed to operate in ambient temperatures of -40°C to +40°C, and uses a framework allowing for multiple mounting options on floors, walls, and even ceilings.

Certification

ATEX

Ⓜ II 2 G/D Ex h
Ex db eb IIB+H2 T3 to T4 Gb
Ex tb IIIC T200 to T135°C Db

IECEX

Ex db eb h IIB+H2 T3 to T4 Gb
Ex tb IIIC T200 to T135°C Db

Main Materials

Casing: Stainless steel
Impeller: PA66
Element: Finned stainless steel tubular elements
Ex e Enclosure: Stainless steel
Ex d Enclosure: Anodised extruded aluminium

Dimensions

LFH: Length 540mm, Width 600mm, Height 600mm
XLFH: Length 690mm, Width 720mm, Height 680mm

Mounting

Floor, wall, or ceiling mounting options available as standard

Voltage

Three Phase, 380V to 690V, 50 / 60Hz

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Performance Data	At 50Hz		At 60Hz	
	LFH	XLFH	LFH	XLFH
Air Velocity (m/s) *	6	7.5	6.3	7.9
Volumetric Flow Rate (m³/hr)	2120	3560	2240	3760
Fan Speed (min⁻¹)	1380	1380	1460	1460
Motor Rating (kW)	0.55	0.55	0.55	0.55
Sound Pressure (dB)	82	82	85	85

* Average value at outlet.



Model	Voltage	Nominal Output	Max Current *	Air Temp Delta †
LFH - T3 Models				
LFH-400-15	380V	13.5kW	22.5A	19.6°C / 35°F
	400V	15kW	23.5A	21.8°C / 39°F
LFH-440-15	415V	13.5kW	21A	19.6°C / 35°F
	440V	15kW	21.5A	21.8°C / 39°F
LFH-480-15	480V	15kW	20A	21.8°C / 39°F
LFH-690-15	600V	11.2kW	12.5A	16.3°C / 29°F
	690V	15kW	14.5A	21.8°C / 39°F
LFH - T4 Models				
LFH-400-9	380V	8kW	14A	11.6°C / 21°F
	400V	9kW	15A	13.1°C / 24°F
LFH-440-9	415V	8kW	13A	11.6°C / 21°F
	440V	9kW	14A	13.1°C / 24°F
LFH-480-9	480V	9kW	13A	13.1°C / 24°F
LFH-690-9	600V	6.75kW	9A	9.8°C / 18°F
	690V	9kW	10A	13.1°C / 24°F

Model	Voltage	Nominal Output	Max Current *	Air Temp Delta †
XLFH - T3 Models				
XLFH-400-20	380V	18kW	30A	15.5°C / 28°F
	400V	20kW	31A	17.3°C / 31°F
XLFH-440-20	415V	18kW	27A	15.5°C / 28°F
	440V	20kW	28.5A	17.3°C / 31°F
XLFH-480-20	480V	20kW	26A	17.3°C / 31°F
XLFH-690-20	600V	15kW	16A	13.0°C / 23°F
	690V	20kW	18.5A	17.3°C / 31°F
XLFH - T4 Models				
XLFH-400-12	380V	10.8kW	18.5A	9.3°C / 17°F
	400V	12kW	19.5A	10.4°C / 19°F
XLFH-440-12	415V	10.8kW	17A	9.3°C / 17°F
	440V	12kW	18A	10.4°C / 19°F
XLFH-480-12	480V	12kW	16.5A	10.4°C / 19°F
XLFH-690-12	600V	9kW	11A	7.8°C / 14°F
	690V	12kW	12A	10.4°C / 19°F
XLFH with EXHEAT Advanced Controls				
XLFH-AC-T3 (Temp Class T3)	380V-690V	40kW	61A	Up to 35°C / 63°F
XLFH-AC-T4 (Temp Class T4)	380V-690V	20kW	31A	Up to 17.3°C / 31°F

* The maximum current includes the maximum motor inrush.

† Air temp delta values are estimated.

• T2 models for LFH (up to 30kW) and XLFH (up to 40kW) can be supplied upon request. Not applicable for XLFH models with EXHEAT Advanced Controls.