

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...T4 Gb
Ex tb IIIC T200°C...T135°C Db

IECEx

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

CU TR (EAC)

1Ex db e IIB+H2 T4...T3 Gb X
Ex tb IIIC T135°C...T200°C Db X

Main Materials

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

Mounting

Floor, wall, or ceiling mounting options available as standard

Dimensions

LFH: L540mm, W600mm, H600mm
XLFH: L690mm, W720mm, H680mm

Voltage

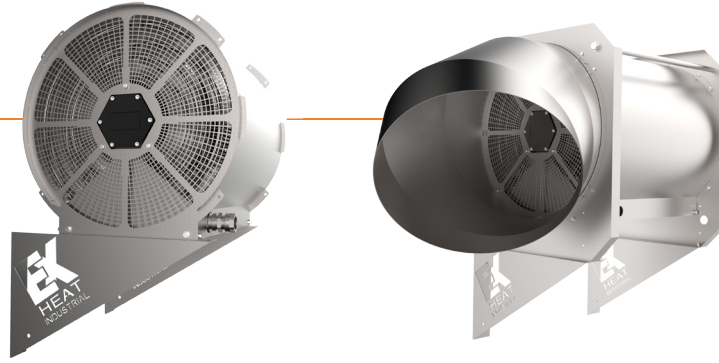
Three Phase, 380V to 690V, 50 / 60Hz

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| Performance Data | At 50Hz | | At 60Hz | |
|------------------------------|---------|------|---------|------|
| | LFH | XLFH | LFH | XLFH |
| Air Velocity m/s (average) | 5.5 | 6 | 6.6 | 7.2 |
| Volumetric Flow Rate (m³/hr) | 1950 | 3050 | 2340 | 3660 |
| Fan Speed (min⁻¹) | 1380 | 1380 | 1460 | 1460 |
| Motor Rating (kW) | 0.55 | 1.1 | 0.55 | 1.1 |
| Sound Pressure (dBA) | 78 | 83 | 80 | 85 |



| Model | Voltage (V) | Duty (kW) | Maximum Current (A) ² | Air Delta T (°C/°F) ³ |
|--|------------------------|-----------|----------------------------------|----------------------------------|
| LFH - T4 | 440 | 9 | 13 | 26 / 47 |
| | 415 | 8 | 12 | 23 / 41 |
| | 400 | 7.5 | 12 | 22 / 40 |
| | 380 | 6.5 | 10 | 19 / 34 |
| | 230 (3Ph) | 7.5 | 12 | 22 / 40 |
| | Up to 690 ¹ | Up to 9 | Based on Voltage | Up to 26 / 47 |
| LFH - T3 | 440 | 15 | 21 | 38 / 68 |
| | 415 | 13.5 | 20 | 34 / 61 |
| | 400 | 12.5 | 19 | 32 / 58 |
| | 380 | 11 | 18 | 28 / 50 |
| | 230 (3Ph) | 12.5 | 33 | 32 / 58 |
| | Up to 690 ¹ | Up to 15 | Based on Voltage | Up to 38 / 68 |
| LFH - T2 | Up to 690 | 24 | Up to 38 | TBC |
| LFH-C with Advanced Controls | Up to 690 | 24 | 38 | TBC |

| Model | Voltage (V) | Duty (kW) | Maximum Current (A) ² | Air Delta T (°C/°F) ³ |
|---|------------------------|------------|----------------------------------|----------------------------------|
| XLFH-T4 | 440 | 14.5 | 20 | 32 / 58 |
| | 415 | 13 | 19 | 29 / 52 |
| | 400 | 12 | 18 | 26 / 47 |
| | 380 | 11 | 17 | 24 / 43 |
| | 230 (3Ph) | 12 | 32 | 26 / 47 |
| | Up to 690 ¹ | Up to 14.5 | Based on Voltage | Up to 37 / 64 |
| XLFH-T3 | 440 | 24 | 32 | 46 / 82 |
| | 415 | 21.5 | 31 | 41 / 74 |
| | 400 | 20 | 30 | 38 / 68 |
| | 380 | 18 | 28 | 34 / 61 |
| | 230 (3Ph) | 20 | 55 | 38 / 68 |
| | Up to 690 ¹ | Up to 24 | Based on Voltage | Up to 46 / 82 |
| XLFH-T2 | Up to 690 | 40 | Up to 63 | TBC |
| XLFH-C with Advanced Controls | Up to 690 | 40 | 63 | TBC |

1. LFH and XLFH fan heaters are also available in 480V, 600V and 690V options.
2. Maximum currents include motor inrush.
3. Air Delta T values taken at outlet.