

## FEATURES

Stainless steel outer casing provides supreme protection, even in the harshest working environments

Higher air flow allows for safe pressurising and heating of habitats for onsite repair works

Various ducting options available upon request

Bespoke protection device allows for operation in temperatures as low as -40°C

Built in thermal protection monitor the heating elements to ensure temperature class is maintained

Various mounting options for floors, walls and even ceilings available. Stackable mounting kit options available

Suitable for Zone 1/2 (IIB+H2) hazardous areas

Range also includes an even more high-powered range, the XLFH

Can be supplied on a long flying lead to get heat where you need it

## 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 db eb h IIB+H2 T2...T4 Gb

Ex tb IIIC T300°C...T135°C Db IP65

#### IECEX

Ex db eb h IIB+H2 T2...T4 Gb

Ex tb IIIC T300°C...T135°C Db IP65

#### CU TR (EAC)

1Ex db eb IIB+H2 T3...T4 Gb X

Ex tb IIIC T200°C...T135°C Db X

### Dimensions

**LFH:** L540mm, W600mm, H600mm.

Base Weight 55kg

**XLFH:** L690mm, W720mm, H680mm

Base Weight 75kg

### Main Materials

**Casing:** Stainless steel

**Impeller:** PA66 30% glass and steel filled blades and epoxy coated aluminium hub

**Element:** Finned stainless steel tubular elements

**Ex e Enclosure:** Stainless steel

**Ex d Enclosure:** Anodised aluminium

**Motor Housing:** Epoxy coated aluminium

### Mounting

Floor, wall, or ceiling mounting options available as standard. Anti-static castors available.

### Rating

40kW (depending on model)

### Temp Class

Available in T2, T3, and T4 temperature classes (depending on the model)

### Voltage

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

## CONTACT US

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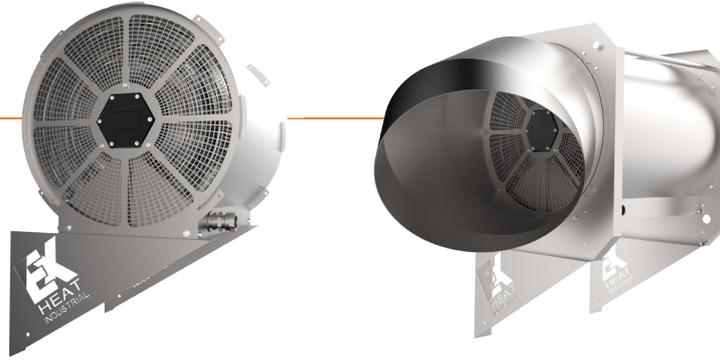
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Thrextton House

Thrextton Road Industrial Estate

Watton, Norfolk, IP25 6NG, UK

Performance Data	At 50Hz		At 60Hz	
	LFH	XLFH	LFH	XLFH
Air Velocity m/s (average)	6.0	6	6.3	7.9
Volumetric Flow Rate (m³/hr)	2120	3050	2240	3760
Fan Speed (min <sup>-1</sup> )	1380	1380	1460	1460
Motor Rating (kW)	1.1	1.1	1.1	1.1
Sound Pressure (dBA)	78	83	80	85



Model	Voltage (V)	Duty (kW)	Maximum Current (A) <sup>2</sup>	Air Delta T (°C/°F) <sup>3</sup>
<b>LFH - T4</b>	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 <sup>1</sup>	Up to 9	Based on Voltage	Up to 26 / 47
<b>LFH - T3</b>	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 <sup>1</sup>	Up to 15	Based on Voltage	Up to 38 / 68
<b>LFH - T2</b>	Up to 690	24	Up to 38	TBC
<b>LFH-C</b> with Advanced Controls	Up to 690	24	38	TBC

Model	Voltage (V)	Duty (kW)	Maximum Current (A) <sup>2</sup>	Air Delta T (°C/°F) <sup>3</sup>
<b>XLFH-T4</b>	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 <sup>1</sup>	Up to 14.5	Based on Voltage	Up to 37 / 64
<b>XLFH-T3</b>	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 <sup>1</sup>	Up to 24	Based on Voltage	Up to 46 / 82
<b>XLFH-T2</b>	Up to 690	40	Up to 63	TBC
<b>XLFH-C</b> 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.