

MFH 'The Bulldog' Portable Fan Heater

The MFH Portable Fan Heater is the world's first truly portable hazardous area fan assisted heater.

The Bulldog combines efficient design with simple functionality to provide a portable heating solution for use in hazardous environments where the atmosphere is classified as Zone 1 or 2 (IIA, IIB & H2). Certified to the new BS EN ISO 80079-36 and BS EN ISO 80079-37 standards for constructional safety, The Bulldog comes ready to 'plug and play' with the option of fitting a plug, or hard wiring to an isolator unit.

The casing is moulded from a steel reinforced polymer which makes The Bulldog tough and durable. Using adjustable feet, the heater can be angled to allow for flexibility in its positioning and, with its compact design, can be easily stored or transported.

The Bulldog can provide a warm stream of air that can be felt meters away, even in ambient temperatures as low as -40°C and up to +40°C. The heater can optionally be fitted with an additional safety device above and beyond the requirements of the certification.

The Bulldog is patent pending, application number 1614657.3



FEATURES

Compact and rigid housing suitable for onshore and offshore usage for typical applications such as Offshore Installations, Gas Installations, Aircraft Hangars, Munition Stores, Spray Shops, Battery Stores, Fuel Servicing Areas, Portable Washdown Heaters and many more

Portable and lightweight, allowing for single user manipulation / operation. Can be supplied on a long flying lead to get heat where you need it

Up to 6kW. The heater can be directed at an engineer working in a larger space, or at the same time, warm a mid-sized room to a comfortable operating temperature for all within

The Bulldog's design increases efficiency, providing a warmer flow of air for the operator at up to 5 meters

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

Available in T3 and T4 temperature classes



Certification

ATEX

II 2 G D Ex h

Ex db eb IIB + H2 T3 to T4 Gb

Ex tb IIIC T200°C to T135°C Db

IECEX

Ex db eb IIB + H2 T3 to T4 Gb

Ex tb IIIC T200°C to T135°C Db

Main Materials

Casing: PA66 with EMI shielding

Impeller: PA66

Ex d Enclosure: Anodised extruded aluminium

Ex e Enclosure: Stainless steel

Mounting

Adjustable feet at each corner allow for a stable standing on uneven surfaces

Voltage

Single Phase 110V to 277V; Three Phase 380V to 690V 50/60Hz

Weight

27kg

Element

Finned stainless steel tubular elements

Maximum Dimensions

Length 475mm; Width 470mm; Height 530mm

Nominal Output

T3 heaters up to 6kW; T4 heaters up to 3.7kW

Ingress Protection

IP65

Patent

Patent pending, application number: 1614657.3

Performance Data	At 50Hz	At 60Hz
Air Velocity *	4.8m/s	5.0m/s
Fan Speed	1380min-1	1460min-1
Motor Rating	0.09kW	0.09kW
Sound Pressure	65dB	68dB

* Average value at outlet

Model	Voltage (V)	Nominal Output (kW)	T Class	Max Current (A) *
MFH-5.5-220	220	5.5	T3	25.6
MFH-6-230	230	6	T3	26.7
MFH-5.5-240	240	5.5	T3	23.5
MFH-6-254	254	6	T3	24.2
MFH-6-277	277	6	T3	22.3
MFH-5.5-380	380	5.5	T3	9.0
MFH-6-400	400	6	T3	9.3
MFH-5.5-415	415	5.5	T3	8.3
MFH-6-440	440	6	T3	8.5
MFH-6-480	480	6	T3	7.8
MFH-6-600	600	6	T3	6.4
MFH-6-690	690	6	T3	5.6
MFH-2.5-110	110	2.5	T4	23.3
MFH-3-120	120	3	T4	25.6
MFH-2.75-220	220	2.75	T4	13.1
MFH-3-230	230	3	T4	13.6
MFH-2.75-240	240	2.75	T4	12.1
MFH-3-254	254	3	T4	12.4
MFH-3-277	277	3	T4	11.4
MFH-2.75-380	380	2.75	T4	4.8
MFH-3-400	400	3	T4	4.9
MFH-2.75-415	415	2.75	T4	4.4
MFH-3-440	440	3	T4	4.6
MFH-3-480	480	3	T4	4.3
MFH-3.7-600	600	3.7	T4	4.2
MFH-3.7-690	690	3.7	T4	3.7

* The maximum current includes the maximum motor inrush

Optional Extras

- Local Isolator:** A local isolator may be installed on the heater allowing for local operation. The isolator is UL certified to UL489 for Branch Protection.
- Castors:** Can be supplied with casters instead of the fixed feet to allow for better portability.
- Power Cable:** EXHEAT or its approved Local Distributors can supply armoured cable. This is shipped loose with the heater.
- Plug:** EXHEAT or its approved Local Distributors can supply a range of hazardous area plugs. Please speak to a sales representative so we can match the plug to your current socket. If required, both plug and socket can be supplied.

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Certification approvals are ongoing and information contained within is subject to change