

HEATING GROUP International

WHEN RELIABILITY MATTERS!



Mobiele explosieveilige ventilatorkachel



FEATURES

- Compact and rigid housing suitable for onshore and offshore usage for typical applications such as offshore installations, gas installations, aircraft hangars, ammunition 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 design increases efficiency, providing a warmer flow of air for the operator at up to 5m.
- 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 135°C Db

IECEX

Ex db eb IIB+H2 T3 to T4 Gb
Ex tb IIIC T200°C to 135°C Db

Main materials

Casing: PA66 30% with EMI shielding
Impeller: PA66 30% with EMI shielding with epoxy coated aluminium hub
Ex d enclosure: Anodised extruded aluminium
Ex e enclosure: Stainless steel
Motor housing: Epoxy coated aluminium

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

Element

Finned stainless steel tubular elements

Dimensions

Length: 475mm, width 470mm, height 530mm

Ingress Protection

IP65

Weight

28kg, excluding cable and optional components

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
Air Throw	8.8m	9.4m
Face Velocity	3.6m/s	4.3m/s



Performance data

Model	Voltage (V) *	Phase **	T Class	Nominal Output (kW)	Air Flow (m ³ /hr)		Air Temp. Delta (°C/°F) ***		Max Current (A) ****
					50Hz	60Hz	50Hz	60Hz	
MFH-5.5-220	220	1	T3	5.5	1050	1260	16.2 / 29.2	13.5 / 24.3	25.6
MFH-6-230	230	1	T3	6	1050	1260	17.7 / 31.8	14.7 / 26.5	26.7
MFH-5.5-240	240	1	T3	5.5	1050	1260	16.2 / 29.2	13.5 / 24.3	23.5
MFH-6-254	254	1	T3	6	1050	1260	17.7 / 31.8	14.7 / 26.5	24.2
MFH-6-277	277	1	T3	6	1050	1260	17.7 / 31.8	14.7 / 26.5	22.3
MFH-5.5-380	380	3	T3	5.5	1050	1260	16.2 / 29.2	13.5 / 24.3	9.0
MFH-6-400	400	3	T3	6	1050	1260	17.7 / 31.8	14.7 / 26.5	9.3
MFH-5.5-415	415	3	T3	5.5	1050	1260	16.2 / 29.2	13.5 / 24.3	8.3
MFH-6-440	440	3	T3	6	1050	1260	17.7 / 31.8	14.7 / 26.5	8.5
MFH-6-480	480	3	T3	6	1050	1260	17.7 / 31.8	14.7 / 26.5	7.8
MFH-6-600	600	3	T3	6	1050	1260	17.7 / 31.8	14.7 / 26.5	6.4
MFH-6-690	690	3	T3	6	1050	1260	17.7 / 31.8	14.7 / 26.5	5.6
MFH-2.5-110	110	1	T4	2.5	1050	1260	7.4 / 13.3	6.1 / 11.1	23.3
MFH-3-120	120	1	T4	3	1050	1260	8.8 / 15.9	7.4 / 13.3	25.6
MFH-2.75-220	220	1	T4	2.75	1050	1260	8.1 / 14.6	6.8 / 12.2	13.1
MFH-3-230	230	1	T4	3	1050	1260	8.8 / 15.9	7.4 / 13.3	13.6
MFH-2.75-240	240	1	T4	2.75	1050	1260	8.1 / 14.6	6.8 / 12.2	12.1
MFH-3-254	254	1	T4	3	1050	1260	8.8 / 15.9	7.4 / 13.3	12.4
MFH-3-277	277	1	T4	3	1050	1260	8.8 / 15.9	7.4 / 13.3	11.4
MFH-2.75-380	380	3	T4	2.75	1050	1260	8.1 / 14.6	6.8 / 12.2	4.8
MFH-3-400	400	3	T4	3	1050	1260	8.8 / 15.9	7.4 / 13.3	4.9
MFH-2.75-415	415	3	T4	2.75	1050	1260	8.1 / 14.6	6.8 / 12.2	4.4
MFH-3-440	440	3	T4	3	1050	1260	8.8 / 15.9	7.4 / 13.3	4.6
MFH-3-480	480	3	T4	3	1050	1260	8.8 / 15.9	7.4 / 13.3	4.3
MFH-3.7-600	600	3	T4	3.7	1050	1260	10.9 / 19.6	9.1 / 16.4	4.2
MFH-3.7-690	690	3	T4	3.7	1050	1260	10.9 / 19.6	9.1 / 16.4	3.7

* Voltage tolerance +0/-10%.

** Minimum SWA multicore cables required: 3Ph 380V–690V heaters require 4mm², 1Ph 220V-277V T4 heaters require 4mm², 110V-120V T4 & 220V-277V T3 heaters require 6mm², 110V-120V T3 heaters require 10mm².

*** ΔT (Delta T) refers to the air temperature difference at the inlet and outlet. For example, if the ambient is +6°C and the ΔT (temperature rise) is 15°C, then the outlet will be +21°C.

**** The maximum current includes the maximum motor inrush.

All values based on 25m cable lengths and an acceptable voltage drop of 4% at +40°C ambient.