

Explosion proof Ex-M Mr. Slim 24/7 Duty Split Unit Air Conditioners



Equipment for Hazardous Areas

Features

- Specially designed for 24/7 optimal cooling and heating duty
- ATEX zone 2 and 22 version of indoor and/or outdoor unit.
- Operation range from +46°C down to -15°C ambient temperature
- Wall mount, Cassette, Ducted or ceiling suspended indoor models
- From 3.5 up to 14 kW

 II 3G Ex h ic nAC IIB(+H2) T4 Gc (indoor unit)

 II 3G Ex h ic nAC IIB T3 Gc (outdoor unit)



Applications

Best explosion proof climate control solution when stored goods or devices must kept at a certain temperature (range) at all times. For (offshore) storage containers, battery housings, paint storages, analyzer rooms, warehouses containing dangerous goods or production facilities for goods that can cause explosions. Specific design enables defrosting and cooling at the same time. Suitable for the European climate.

24/7 Duty AC model for safe operations in hazardous areas

OEM Mitsubishi Electric Mr. Slim series. Specially designed for 24/7 continuous use in Western European Climate. Converted and certified to explosion proof ATEX zone 2 (3G) and 22 (3D) by Ex-Machinery Explosion Proof Equipment B.V.

Explosion Safety Specifications (ATEX)

EU Directive	2014/34/EU (ATEX114)
ATEX marking gas (indoor unit)	3G Ex h ic nAC IIB (+H2)T4 Gc
ATEX marking gas (outdoor unit)	3G Ex h ic nAC IIB T3 Gc
ATEX marking dust (indoor unit)	3D Ex ic tc h IIIB T140°C Dc
ATEX marking dust (outdoor unit)	3D Ex ic tc h IIIB T150°C Dc
Applied standards	EN 60079-0, EN 60079-11, EN 60079-15, EN 60079-31, EN 80079-36, EN 80079-37

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24/7 Continuous Duty! For ATEX zone 2 and 22



Ex-M SlimW	Ex-M SlimW35	Ex-M SlimW50	Ex-M SlimW60	Ex-M SlimW71	Ex-M SlimW100
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Nominal cooling capacity*

kW	3.6	4.6	6.1	7.1	9.5
BTU	12,280	15,700	20,800	24,200	32,400
RT	1	1.3	1.7	2	2.7

Nominal heating capacity

kW	4.1	5.0	7.0	8.0	11.2
BTU	13,980	17,000	23,900	27,300	38,200
RT	1.2	1.4	2	2.3	3.2

Indoor unit dimensions (mm)

HxWxD	295x898x249	295x898x249	365x1170x295	365x1170x295	365x1170x295
Indoor unit (kg)	13	13	21	21	21

Outdoor unit dimensions (mm)

HxWxD	630x809x300	630x809x300	943x950x330	943x950x330	1338x1050x330
Outdoor unit (kg)	46	46	70	70	123
Electrical supply V/Phase/Hz	230/1/50 (optional 60Hz)	230/1/50 (optional 60Hz)	230/1/50 (optional 60Hz)	230/1/50 (optional 60Hz)	400/3~N/50 (optional 60Hz)
Refrigerant	R32	R32	R32	R32	R32
Refrigerant filling capacity (kg)	2.3	2.3	3.6	3.6	6.8

*nominal capacity at 35° degrees ambient temperature.



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Optional

Corrosion protection coating
Stainless steel screws
ATEX isolating switch
ATEX zone 2 or 22 adaption box to connect with 3phase or with 3phase no neutral / 400-440V power supply
ATEX zone 2 or 22 Junction box for redundant operation, automatic switch to second unit in case of failure

<p>ATEX Wired remote control in rugged casing</p>	
<p>ATEX Cassette model 3.5 kW – 13.4 kW 11,950 BTU – 49,000 BTU 1 RT – 3.8 RT</p>	
<p>ATEX Ceiling suspended model 3.5 kW – 13.4 kW 11,950 BTU – 49,000 BTU 1 RT – 3.8 RT Also available as ATEX RVS ceiling suspended model</p>	
<p>ATEX Ducted model 3.5 kW – 22 kW 11,950 BTU – 75,000 BTU 1 RT – 6.3 RT</p>	