


# Explosion proof Ex-M RAC Economical Split Unit Air Conditioners



Equipment for Hazardous Areas

## Features

- Most economic explosion proof air conditioning models
- ATEX zone 2 and 22 version of indoor and/or outdoor unit.
- Compact design
- For cooling and heating
- Operation range from +46°C down to -10°C/-25°C ambient temperature

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

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



## Applications

Most economic explosion proof climate control for spaces that do not require 24/7 cooling or heating duty. For (offshore) office containers, operator shelters or crane cabins located in hazardous areas ATEX zone 2 (3G) or 22 (3D). After hours the AC unit defrosts and is ready for optimal cooling and heating again for 12 to 15 hours at a time. Designed for the European Climate. Operation range from +46°C down to -10°C/-25°C ambient temperature.

## Most economical AC model for safe operations in hazardous areas

OEM Mitsubishi Electric RAC series. Converted and certified to explosion proof ATEX zone 2 and 22 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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## Most economical solution! For ATEX zone 2 and 22



Ex-M RAC W	Ex-M RACW20	Ex-M RAC W25	Ex-M RAC W35	Ex-M RAC W42	Ex-M RAC W50	Ex-M RAC W60	Ex-M RAC W71
<b>Nominal cooling capacity*</b>							
kW	2	2.5	3.5	4.2	5.0	6.1	7.1
BTU	6,800	8,530	11,950	14,300	17,000	20,800	24,200
RT	0.57	0.71	1	1.2	1.4	1.73	2
<b>Nominal heating capacity</b>							
kW	2.5	3.2	4.0	5.4	5.8	6.8	8.0
BTU	8,530	10,900	13,650	18,400	17,800	23,200	27,300
RT	0.71	0.91	1.14	1.54	1.65	1.93	2.27
<b>Indoor unit dimensions (mm)</b>							
HxWxD	250x760x178	299x798x219	299x798x219	299x798x219	299x798x219	325x1100x257	325x1100x257
Indoor unit (kg)	8.2	10.5	10.5	10.5	10.5	16	17
<b>Outdoor unit dimensions (mm)</b>							
HxWxD	550x800x285	550x800x285	550x800x285	550x800x285	714x800x285	714x800x285	880x840x330
Outdoor unit (kg)	31	31	31	35	40	40	50
Electrical supply	230 V, 1Phase, 50HZ (60Hz on request)						
Refrigerant	R32						
On request	Corrosion protection coating, stainless steel screws, ATEX isolating switch, ATEX adaption box to connect with 3Phase no neutral/380V, ATEX junction box for redundant operation.						

\*nominal capacity at 35° degrees ambient temperature.

