

## Product 19: ATEX Ducted Airco

### [Product Photos]

### [Short Desc (two Paragraphs)]

The ATEX Ducted Airco by Ex-Machinery is designed for powerful and safe cooling in hazardous industrial environments. This unit is certified for ATEX Zone 2 and Zone 22, providing explosion protection for applications requiring discreet, ducted installation. Modified from Mitsubishi's commercial-grade air conditioning systems, it ensures reliable performance while meeting strict ATEX safety standards for industries like oil and gas, chemical processing, and manufacturing.

Ideal for spaces needing concealed cooling distribution, this ducted system integrates seamlessly into industrial infrastructure, offering continuous climate control without occupying floor or wall space. Built for 24/7 operation in diverse European climates, the ATEX Ducted Airco delivers dependable cooling where it's needed most.

### [Table Explosion Protection Specs]

| Parameter                        | Specification   |
|----------------------------------|---|
| EU Directive                     | 2014/34/EU (ATEX114)  |
| ATEX Marking Gas (Indoor Unit)   | II 3G Ex h ic nAC IIB (+H2) T4 Gc   |
| ATEX Marking Gas (Outdoor Unit)  | II 3G Ex h nAC IIB T3 Gc  |
| ATEX Marking Dust (Indoor Unit)  | II 3D Ex ic tc h IIB T140°C Dc  |
| ATEX Marking Dust (Outdoor Unit) | II 3D Ex tc h IIB T150°C Dc   |
| Applied Standards                | EN 60079-0, EN 60079-11, EN 60079-15, EN 60079-31, EN 80079-36, EN 80079-37 |

### [Key Features Bulletpoints]

- Certified for ATEX Zone 2 and Zone 22, ensuring safe operation in hazardous environments.
- Ducted design for concealed installation, ideal for spaces requiring distributed cooling without visible units.
- Available in capacities ranging from 3.5 kW to 25 kW, adaptable to various cooling needs.
- Wide operating temperature range from +46°C down to -15°C, suitable for European climates.
- Enhanced corrosion protection for durability in industrial and marine settings.
- Modified Mitsubishi Electric technology, adapted by Ex-Machinery for continuous, explosion-proof performance.
- Supports ducted airflow distribution, providing even cooling across large, segmented spaces.

### [Optional features]

- Additional corrosion protection coating for enhanced durability in industrial and marine applications.
- Stainless steel screws to improve resistance to corrosion in harsh environments.
- Converter for ATEX Zone 2 or Zone 22, allowing compatibility with 3-phase or 3-phase no-neutral power supplies (400-440V).
- ATEX isolating switch for added safety during maintenance.
- ATEX-compliant junction box for redundant operation, with automatic switch-over to a backup unit if required.
- Rugged, ATEX-rated wired remote control for reliable and secure operation.

### [AC Specs, series name]

| Specification    | Details  |
|------------------|--|
| Series/Type      | ExM Power Inverter - Mitsubishi (Ducted Model) |
| Model Names      | Ex-M PEAD-ZM35-140, Ex-M PEA-M200-250          |
| Cooling Capacity | 3.5 kW – 25 kW                                 |
| Cooling BTU      | 11,950 – 75,000 BTU                            |
| Cooling RT       | 1 – 6.3 RT                                     |
| Refrigerant Type | R32  |

### [Linked Products: products in the same series]

*Series:* ExM Power Inverter (Mitsubishi)