

2023



Estd 1985

An ISO 9001:2014 Certified Company

www.amafhhref.com

Flameproof AC and Refrigeration Units



TRUELY EXPLOSION PROOF

The most Efficient Explosion proof / FLP refrigeration system with durability unmatched.

Atmospheres : Gas Group IIA, IIB and IIC,
Zone [1, 2, 21, 22]
Temp Class T6
Upto IP68

CIMFR No : IN/CIMFR/TR20/2895
With all Valid TR and Certification



Exclusive Safety Protection
to prevent Accidents and
Breakdowns



**High Pressure
Low Pressure**
Safety Swiches



**Overload
OLTR (amps)**
Safety Swiches



Liquid Injector
To maintain T6
Temp Class



**Single Phasing &
Reverse Phasing**
Protection
SPPR Switch



**Alluminium Fan
& Impeller**
Spark Less and
Rust free
Propellors

Axial Fan Type Split Units [AMFC18R1SA to AMFC420S3SA] For Hazardous Material Storage and Ailed Application

- Robust Filter less model Which avoids accumulation of any foreign particles on heat exchangers
- **SS 304 / SS 316** IDU Cabinet Construction
- Précised Difference of 1°C
- GI Powder Coated Outer Body [Condensing Unit]
- Alarm and Sequential timer Features
- Air Cooled / Water-cooled optional models
- Independent JB for Outdoor and Indoor for Ease of installation and maintenance
- Microprocessor based Temperature Controller with **RS485** Communication port.
- Capacity From 2tr to 17.5tr



Blower Type Split Ref Units [AMFC12R1SB to AMFC36R3SB] For human Occupancy and Plant operating Offices

- Indoor unit that Hangs on the High Wall,
- With no Copper tube, Cable, Drain pipe Visible in the room.
- Comes with a remote control to operate the units without any hustle
- A manual / Automatic grill swing option available
- Filter of 5 / 10 microns, with SS Frame and Nylon mesh
- Backward Curved Centrifugal blower for silent operations
- Epoxy powder coat Body | Copper tube Copper Fins Model for **Marine and offshores application**
- Capacity : 1tr to 3tr
- Reciprocating hermetic Compressor with POE Oil.



FLP Window AC with Cabinet [AMFC12R1WB to AMFC36S3WB] For human Occupancy and Plant operating Offices

- Plug and Play type model
- Dual Blower Motor and Independent Housing for the dedicated Speed and Airflow
- FR Grade air filter and grill
- Easy to Install on a rigid Folding Bracket
- Capacity : 1tr to 3tr



Chilled Water Fan Coil Unit [AMFC24-120/CW1/3S]

FLP FCU Capacity : 2tr to 15tr

- Robust Filter less model & SS 304 IDU Cabinet Construction.
- With Microprocessor Digital Controller that operates FLP Solenoid valve to regulate Chilled Water Flow.
- Copper tube Alluminium Fin, Copper Tube Copper Fins, SS304 tube and SS304 Fins Heat exchanger for multiple fluids and Atmosphere Conditions
- Comes with a Inbuilt Strainer to avoid blockage in coils and distributors.
- Heavy gauge tubes to avoid frequent leakages due to pollute processed chilled water.
- An optional Additional FLP pump to boost the flow.



2tr to 17.5tr FLP Split Type Condensing Unit [AMFC24-420/R/S3CDU]

- Compatible with **AHU, Fan coil Unit, DX Type Ductable Unit** or Any other Evaporators
- With Low Speed 15" to 24" Condensing Axial Fan lateral flow for better heat liberation and efficient Performance
- With Independent FLP Control Panel and Independent RTD Sensor port.
- GI Powder Coated Outer Body / SS304 Cabinet
- A Perfect Solution for HVAC Project in Hazardous Zones
- Easy to Install with Flare type 3way Service Valve [Suction and liquid] along with the Capillary design
- Capacity : 2tr to 20tr



Semi / Partial FLP Split Type AC AMFC12-36/R/S3PS

- Either Indoor Unit or Outdoor unit lies in the non hazardous zone, we have the Non FLP Units respectively to minimize the inventory and installation cost.
- With FLP Outdoor and non FLP Domestic type Indoor unit, One can have a fancy decent look in the office with all functions non compromised.
- With the option of Split type, Cassette, Ductable type IDU with Flameproof Outdoor Unit can just simplify all HVAC Needs.



Serial Number	Type	Refrigeration Capacity [BTU/hr]	Power Input	Amps [220v / 440v] Max	CFM [IDU / CDU]	Fan [IDU / CDU]	Compressor	Refrigerant [R134a] optional
AMFC18R1/3S	Split Type [Axial]	[1.5tr] 18,000	2.1 kw/hr [220v/440v]	9.3 / 2.8	500 / 650	12" / 15"	Reciprocating	R407c / R134a
AMFC18R1/3B	Split Type [Blower]	[1.5tr] 18,000	2.2 kw/hr [220v/440v]	9.2 / 2.9	480 / 650	8/4" / 15"	Reciprocating	R407c / R134a
AMFC18R1/3W	Window	[1.5tr] 18,000	2.0 kw/hr [220v/440v]	9.5 / 2.8	450 / 650	8/4" / 15"	Reciprocating	R407c / R134a
AMFC24R1/3S	Split Type [Axial]	[2tr] 24,000	3.2 kw/hr [220v/440v]	11.8 / 3.9	650 / 900	15" / 18"	Reciprocating	R407c / R134a
AMFC24R1/3B	Split Type [Blower]	[2tr] 24,000	3.3 kw/hr [220v/440v]	11.8 / 4.0	620 / 900	10/4" / 18"	Reciprocating	R407c / R134a
AMFC24R1/3W	Window	[2tr] 24,000	3.0 kw/hr [220v/440v]	11.8 / 3.9	610 / 900	10/4" / 18"	Reciprocating	R407c / R134a
AMFC36R3S	Split Type [Axial]	[3tr] 36,000	4.4 kw/hr [440v]	--- / 6.2	950 / 1050	15" / 18"	Reciprocating	R407c / R134a
AMFC60S3S	Split Type [Axial]	[5tr] 60,000	6.6 kw/hr [440v]	--- / 11.5	1700 / 2400	15" x 2 / 24"	Scroll	R407c / R134a

Notes :





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An ISO 9001:2015 Certified Company

LET'S WORK TOGETHER

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