Air Conditioning Unit
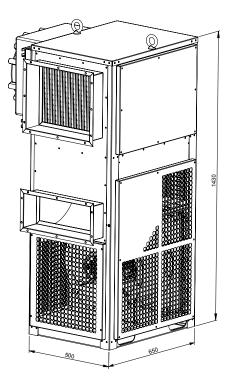## ACUX

FEATURES

» Suitable to Zone 1 & 2, IIB + H_2 Hazardous area or Safe area

» Low Noise and Vibrations

» Ease of Maintenance

» Efficient filter against Dust

» High Quality MS CRCA or SS 304 , SS 316

» Excellent Thermal Insulation

» Stainless Steel drain pan

ADVANTAGES

» 100% tested for performance on specially designed and tested for onsite load conditions

» Compressor carries its own compliance certificate and fully complying to IEC standard.

» Refrigerant is CFC free and fully comply with Montreal Protocol Requirement

» The flameproof Ex d or Suitable to Safe area weather proof electrical enclosure

» Flameproof or Safe area electrical motors

» This can work in harsh environment within -1.1°C to 60°C temperature

» Unit's unique design and component reliability ensures minimum servicing except routine filter / condenser cleaning or general maintenance.

» SS Material option ensures high reliability of the unit's life

DESCRIPTION

The basic requirement for any Air Conditioning units is to perform according to given parameter with trouble free operations. Specifically design for control Panel application. These are mainly used at remote locations or at very challenging locations or experiencing extreme weather conditions.

AXIS brings you the Explosion proof or Safe area Air Conditioner to meet diverse and exacting demand which runs trouble free for 24x7 in Oil, Gas, Refinery and Petrochemical industries for conditioning of air.

DIMENSION DETAILS

All Dimension are in MM

COMPONENT DETAILS

Casing
Unit casing fabricated from painted MS CRCA sheet steel (Optional: SS 304 / SS 316 Grade Stainless Steel)

Compressor
Hermetically sealed reciprocating type compressor with flameproof terminal box is certified for Zone 1 & 2, IIC area class or Suitable to Safe area

Condenser / Cooling Coils
Fabricated from copper tubing with anti-corrosive coating aluminum fins and end plates fully compliancefor long service life in corrosive environment.

Cooling (Supply air) Fan
Designed for continuous operation. Casing is Galvanised and impeller is, fully lined with GI / Copper / Aluminum as per requirement. Fan gives adequate air circulation flow and static pressure.

Condenser Fan
Designed for continuous operation. Galvanised casing and aluminum impeller assembly with alloy hub.

Fan Motors
Zone 1 & 2, IIC Certified Flameproof Motor or Suitable to Safe area.

TECHNICAL SPECIFICATION

General	
Area Class	Suitable to Zone 1 & 2, IIA / IIB + H2, T3 or Safe area
Mounting	Standalone
Dimensions	1430 mm (H) X 500+350mm (W) X 650+100mm (D)
Cooling Capacity	3.6KW@35°C
Refrigerant Type	R134a / R407c
Weight	Approx. 170 Kg
Operating Temperature	-1.1°C to 60°C
Electrical	
Power Supply	3 Phase + N, 415 VAC, 50 Hz / 1 Phase + N, 230 VAC, 50 Hz
Power Consumption	Approx. 5.0 Amp.
Thermostat	30°C (Factory set and supplied loose)

ORDERING INFORMATION

ACUX						9	9	9	
Area classification									
0									Hazardous area Zone 1 & 2 , IIA / IIB
1									Hazardous area Zone 1 & 2 , IIB+H2
2									Safe area
3									Hazardous area Zone 1 & 2 , IIC
	Power Supply								
	1								3P + N, 415 VAC , 50 Hz
	2								1P + N, 230 VAC, 50 Hz
	3								Other on Request
		Housing Material							
		0							GI, Painted
		1							SS 304
			Capacity						
			1						1 Ton
			2						1.5 Ton
				Alarm Option					
				0					Without
				1					With