

Air Conditioning Unit

ACU1 & ACU2



FEATURES

- » Low noise and vibrations
- » Easy Maintenance design
- » Effective fresh cooling
- » Efficient filter for dust protection
- » High quality MS CRCA or SS 304 , SS 316 MOC as per requirement
- » `Excellent thermal insulation for better performance

ADVANTAGES

- » 100% tested for performance on specially created testing facility for onsite load conditions.
- » Equipment design is very user friendly with full and easy service access to all components for regular service.
- » Unit's unique design and component reliability ensures minimum servicing except routine filter condenser cleaning or general maintenance.
- » This can work within harsh environment and of 8°C to 50°C areas.

DESCRIPTION

The basic requirements for any Air Conditioning Unit is to perform according to given parameter with trouble free operations. These are at mainly remote locations or at very challenging locations or experiencing extreme weather conditions.

AXIS brings you the equipment to meet diverse and exacting demand which runs trouble free for 24x7 in Power generation sector, Chemical Plants, Steel Plants, Process Automations, Porta Cabins, Drive Panels, PLC Panels, Instruments Panels, Textile Machine Panels, Food Processing machinery etc.

ACU 1 - INDOOR

TECHNICAL SPECIFICATIONS

Details	ACU1035	ACU1085
Power Supply	1-Phase / 230 VAC, 50 Hz	1-Phase / 230 VAC, 50 Hz
Current Consumption	≈ 3.63A	≈ 3.80A
Type of connection	Screw type terminals with cable glands	Screw type terminals with cable glands
Dimensions (H) x (W) x (D) in mm	710 x 300 x 254	735 x 350 x 264
Cooling Capacity	390 W @35 ° C	890 W @35 ° C
Air Flow (Free Flow)	150 CFM / 260 CFM	160 CFM / 450 CFM
Refrigeration Type	R134a	R134a
Compressor Type	Reciprocating	Reciprocating
Temperature Controller (Factory set Point)	30 ° C	30 ° C
Duty Cycle	100%	100%
Operating Ambient Temperature	8° C to 50° C	8° C to 50° C
Weight (Without packing)	28 kg	33 kg
Color	RAL7035 (Other on request)	RAL7035 (Other on request)
Condenser Coil	Blue fins (Anti corrosive)	Blue fins (Anti corrosive)
Housing Design	MS CRCA Sheet Steel Painted (Other on request)	MS CRCA Sheet Steel Painted (Other on request)
IP Class	IP 34 (For External) / IP 54 (For Internal)	

ACU1150	ACU1300	ACU1300P
1-Phase / 230 VAC, 50 Hz	1-Phase / 230 VAC, 50 Hz	1-Phase / 230 VAC, 50 Hz
≈ 4.10A	≈ 8.85A	≈ 10.25A
Screw type terminals with cable glands	Screw type terminals with cable glands	Screw type terminals with cable glands
900 x 475 x 263	1144 x 500 x 335	962 x 640 x 657
o 1750 W @35 ° C	3400 W @35 ° C	3500 W @35 ° C
180 CFM / 500 CFM	480 CFM / 790 CFM	400 CFM / 900 CFM
R134a	R134a	R134a
Reciprocating	Reciprocating	Reciprocating
30 ° C	30 ° C	24 ° C
100%	100%	100%
8° C to 50° C	8° C to 50° C	8° C to 50° C
44 kg	75 kg	81 kg
RAL7035 (Other on request)	RAL7035 (Other on request)	RAL7035 (Other on request)
Blue fins (Anti corrosive)	Blue fins (Anti corrosive)	Blue fins (Anti corrosive)
MS CRCA Sheet Steel Painted (Other on request)	MS CRCA Sheet Steel Painted (Other on request)	MS CRCA Sheet Steel Painted (Other on request)
IP 34 (For External) / IP 54 (For Internal)		



ACU1035



ACU1085



ACU1300



ACU1300P

ACU 2 - OUTDOOR

TECHNICAL SPECIFICATIONS

	ACU2035	ACU2085
Power Supply	1-Phase / 230 VAC, 50 Hz	1-Phase / 230 VAC, 50 Hz
Current Consumption	≈ 1.6A	≈ 2.9A
Type of connection	Screw type terminals with cable glands	Screw type terminals with cable glands
Dimensions (H) x (W) x (D) in mm	487 x 339 x 318	700 x 320 x 350
Cooling Capacity	390 W @35 ° C	890 W @35 ° C
Air Flow (Free Flow)	150 CFM / 260 CFM	160 CFM / 450 CFM
Refrigeration Type	R134a	R134a
Compressor Type	Reciprocating	Reciprocating
Temperature Controller (Factory set Point)	30 ° C	30 ° C
Duty Cycle	100%	100%
Operating Ambient Temperature	8° C to 50° C	8° C to 50° C
Weight (Without packing)	25 kg	31 kg
Color	RAL7035 (Other on request)	RAL7035 (Other on request)
Condenser Coil	Blue fins (Anti corrosive)	Blue fins (Anti corrosive)
Housing MOC	MS CRCA Sheet Steel Painted (Other on request)	MS CRCA Sheet Steel Painted (Other on request)



ACU2035



ACU2085

	ACU2150	ACU2300
Power Supply	1-Phase / 230 VAC, 50 Hz	1-Phase / 230 VAC, 50 Hz
Current Consumption	≈ 3.8A	≈ 8.0A
Type of connection	Screw type terminals with cable glands	Screw type terminals with cable glands
Dimensions (H) x (W) x (D) in mm	803 x 330 x 405	965 x 620 x 560
Cooling Capacity	1750 W @ 35 ° C	3400 W @ 35 ° C
Air Flow (Free Flow)	180 CFM / 500 CFM	480 CFM / 790 CFM
Refrigeration Type	R134a	R134a
Compressor Type	Reciprocating	Reciprocating
Temperature Controller (Factory set Point)	30 ° C	30 ° C
Duty Cycle	100%	100%
Operating Ambient Temperature	8° C to 50° C	8° C to 50° C
Weight (Without packing)	40 kg	87 kg
Color	RAL7035 (Other on request)	RAL7035 (Other on request)
Condenser Coil	Blue fins (Anti corrosive)	Blue fins (Anti corrosive)
Housing MOC	MS CRCA Sheet Steel Painted (Other on request)	MS CRCA Sheet Steel Painted (Other on request)



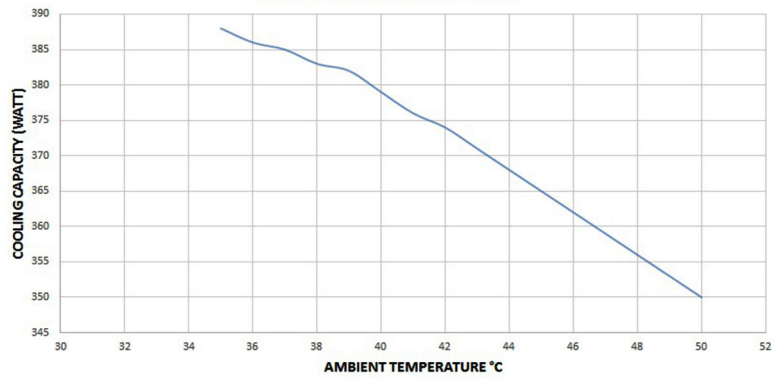
ACU2150



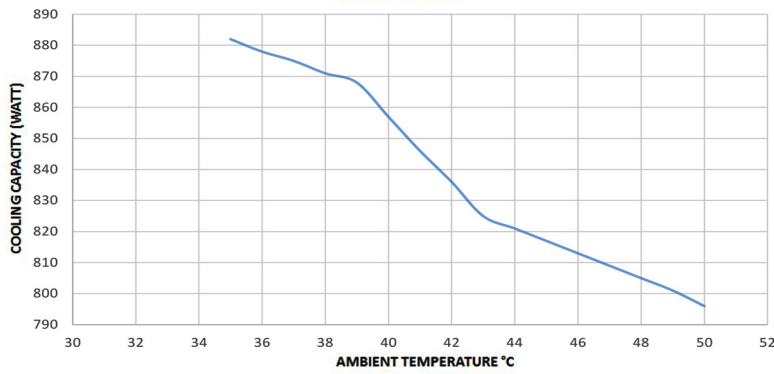
ACU2300

PERFORMANCE CHART FOR ALL UNITS

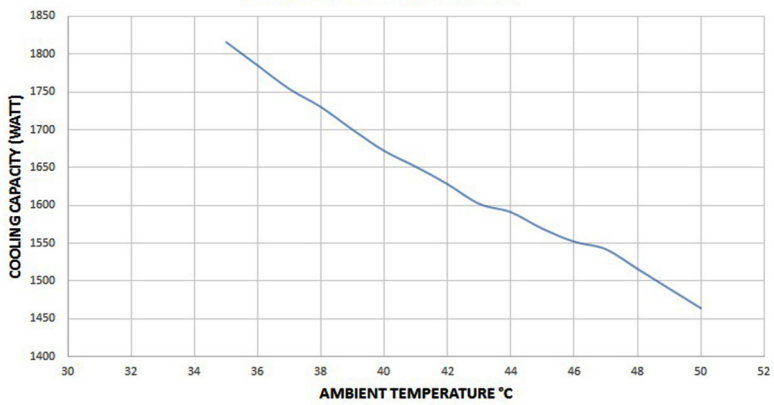
ACU1035 & ACU2035



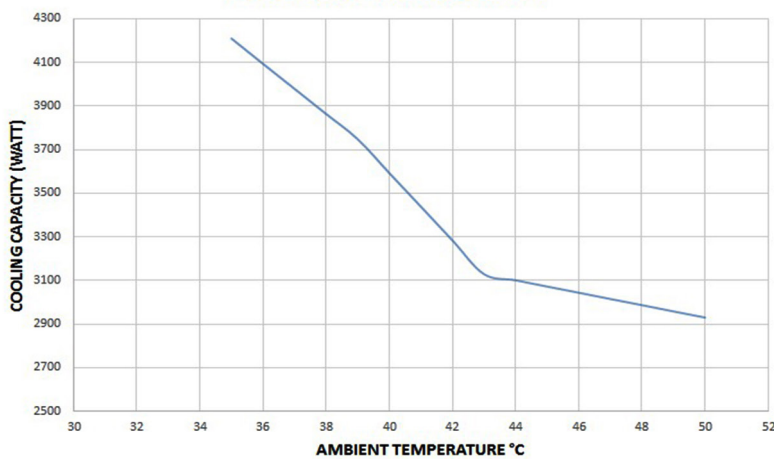
ACU1085



ACU1150 & ACU2150

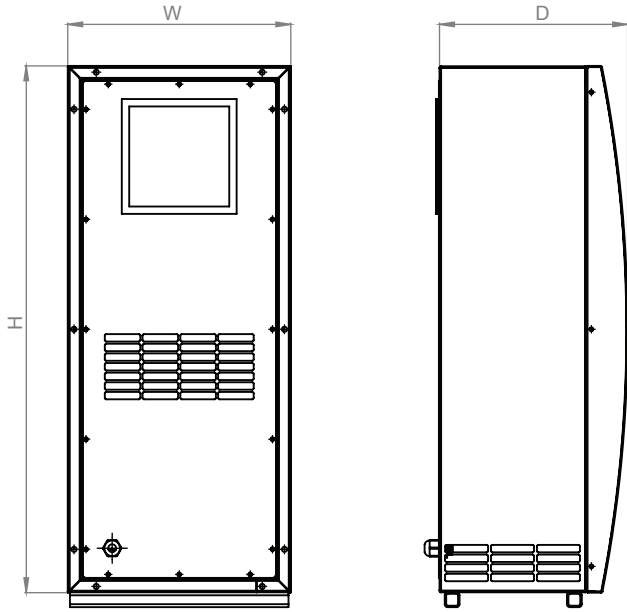


ACU1300 & ACU2300



Important Note: Due to continuous product improvement; specifications may be subject to change without notice.

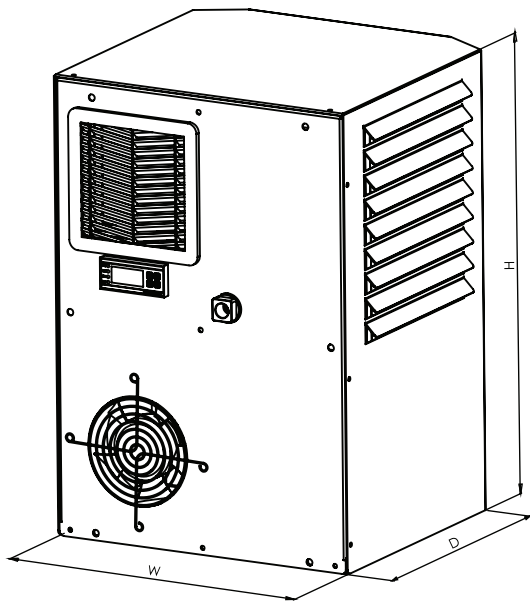
DIMENSION DETAILS



ACU1

ORDERING INFORMATION

ACU1		
Capacity		
035		350W
085		850W
150		1500W
300		3000W
Power Supply		
0		115 VAC, 50Hz (For Future)
1		230 VAC, 50 Hz
Housing Material		
0		MS CRCA Sheet Steel Painted
1		SS 304
2		Others
Alarm Option		
0		Without
1		With



ACU2

ACU2		
Capacity		
035		350W
085		850W (Note)
150		1500W
300		3000W
Power Supply		
0		115 VAC, 50Hz (For Future)
1		230 VAC, 50 Hz
Housing Material		
0		MS CRCA Sheet Steel Painted
1		SS 304
Alarm Option		
0		Without
1		With

Note : ACU2085 Under beta testing