



Duct Type

AHD SERIES

Capacity Range : 78,000-150,000 btu/hr.



Tomorrow's Technology for Today's Good Living

Indoor Unit Features

- Made of galvanized steel and well insulated against water vapour condensation.
- Evaporator is made of copper tube and aluminium hydrophilic blue fins which resists corrosion.
- Equipped with thermostatic expansion valve for refrigerant control.
- Centrifugal and forward curved fans are mounted in a cylinder housing allowing 2 air inlets. The fan RPMs are adjustable through the use of a direct drive motor.
- The motor comes with thermal overload protector.
- The evaporator is charged with 50 psi of Nitrogen to check if the coil leaks or not before installation.
- The motor used is a single phase permanent split capacitor type equipped with motor protector against excessive current.
- Air filter is a polymer net type for ease of cleaning and efficient dust trapping.

Standard Safety Devices

- Magnetic Overload Protector for Compressor motor.
- Over – Under Voltage Protector.
- Phase Sequence Protector.
- Unbalanced Voltage Protector.
- Phase Loss Protector.
- Fuse Control.

Outdoor Features

- The unit casing is made of high quality galvanized steel sheet.
- It is equipped with compact and high efficiency scroll compressor.
- A Low Pressure Switch is supplied to protect the compressor against allowable low pressure limit and a High Pressure Switch to protect against excessive high pressure.
- Equipped with a Service Valve to shut off Access Port when checking the unit pressure.
- Besides, an Anti-short Cycle Timer is also supplied to protect the compressor from damage caused by an electrical short circuit.
- The air discharge direction can be adjusted from vertical to horizontal discharge.



Model	Indoor Unit		AHD080A-MNVKU	AHD100A-MNVKU	AHD120A-MNVKU	AHD150A-MNVKU
	Outdoor Unit		ALC080A-SSYKU	ALC100A-SSYKU	ALC120A-SSYKU	ALC150A-SSYKU
Cooling Capacity	Btu/hr		78,000	100,000	120,000	150,000
Cooling Capacity	W		23,000	30,000	35,000	44,000
Running Current	A		13.40	19.80	22.10	29.10
Power Consumption	W		7,400	11,000	12,700	16,200
Manufacturer's Standard compliant						
Efficiency	EER		10.54	9.09	9.45	9.26
Energy Efficiency Ratio (EER)	W/W		3.11	2.73	2.76	2.72
Power Supply	V/Ph/Hz		380 / 3 / 50			
Piping Connection	Inch		1/4 / 7/8 / 1 1/16	1/4 / 1 1/8 / 1 1/16	5/8 / 1 1/8 / 1 1/16	5/8 / 1 1/8 / 1 1/16
Liq / Gas / Drain	mm		Ø12.7 / 22.2 / OD.26	Ø12.7 / 28.6 / OD.26	Ø15.9 / 28.6 / OD.26	Ø15.9 / 28.6 / OD.26
Indoor Unit			AHD080A-MNVKU	AHD100A-MNVKU	AHD120A-MNVKU	AHD150A-MNVKU
Power Supply	V/Ph/Hz		220 / 1 / 50			
Airflow rate	CFM		2,600	3,200	4,000	5,000
Fan Speed			Permanent Capacitor 3 speed			
Dimension Indoor (H x W x D)	mm		460 x 1,480 x 675	530 x 1,480 x 675	590 x 1,660 x 675	590 x 1,960 x 780
Weight Indoor	Kg		88	94	100	128
Outdoor Unit			ALC080A-SSYKU	ALC100A-SSYKU	ALC120A-SSYKU	ALC150A-SSYKU
Power Supply	V/Ph/Hz		380 / 3 / 50			
Compressor Type			SCROLL COMPRESSOR			
Dimension (H x W x D)	mm		990 x 900 x 900	990 x 900 x 900	1,105 x 1,040 x 1,040	1,410 x 1,040 x 1,040
Weight	Kg		145	150	170	190
Refrigerant			R-410A			
Expansion device position			INDOOR UNIT			
Electrical Supply mains connection			OUTDOOR UNIT			

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