COOLMASTER PRECISION

AIR CONDITIONER

The Integrated Solutions (25 - 200kW)

ACSON International
Air Conditioners

COOLMASTER PRECISION
AIR CONDITIONER

Acson CoolMaster is a type of precision air conditioner (PAC) with high density cooling capacity that applicable to medium-large data center and electronic equipment room. CoolMaster has variety of cooling methods, air-cooled, water-cooled, glycol-cooled, chilled water (single coil & dual coil) and dual cooled. It can work with room cooling or aisle containment with the feature of constant temperature and humidity, it is believed that Acson CoolMaster can always moulded to your needs.

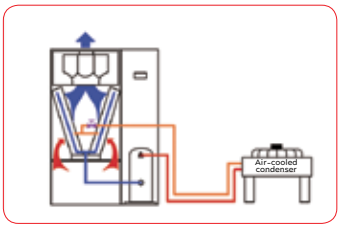
Application

- Medium-large server room
- Industrial control room
- Precision processing equipment room
- UPS and battery room

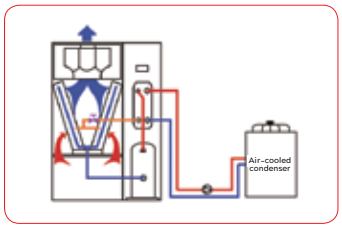
Cooling Methods

Air-Cooled and Water-Cooled Air Conditioner

Air-cooled type

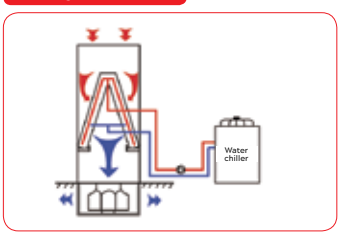


Water-cooled type

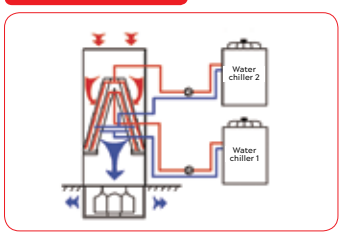


Chilled Water Air Conditioner-Single Coil and Dual Coil

Single coil type

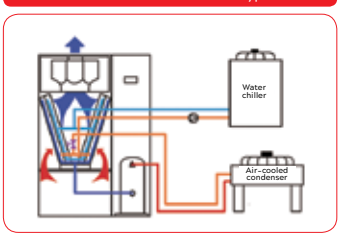


Dual coils type

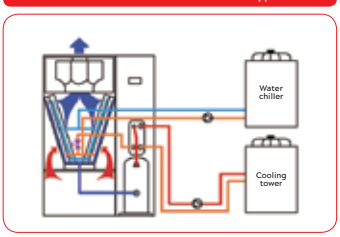


Dual Cool Air Conditioner

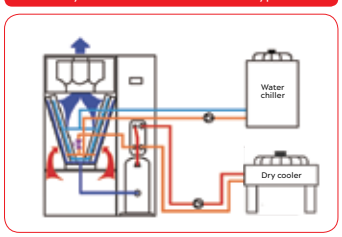
Air-cooled & chilled water type



Water-cooled & chilled water type



Glycol-cooled & chilled water type



Features

Diversified

- Cooling capacity: Air-cooled/Water-cooled/Glycol-cooled 25kW-120kW; Dual-cooled 30kW-100kW; Chilled water 31kW-200kW.
- Downflow and upflow.
- Cooling method: Air-cooled, water-cooled, chilled water, dual-cooled and glycol-cooled.

Economize - Space Saving

- Acson CoolMaster occupied less space where it can be installed in a limited space.
- For example: The width of 50kW CoolMaster is 930mm; By taking a room length with 10m, 10 units of 50kW CoolMaster or 5 units of 100kW of CoolMaster PAC can be installed that are able to provide 500kW of total cooling capacity.

Economize - Energy Saving

- Acson CoolMaster implement energy-saving design that feature high EER, high sensible heat ratio and low energy consumption.
- W/M type of evaporator is implemented to improve the heat exchange area per unit volume.
- Filter net is fitted closely with the evaporator that could decrease air resistance of filter net and reduce fan operating power due to its increased area of filter net.
- The down flow (air discharge direction) implement sunken fan design where the energy consumption can be lowered by 20%.
- ODU fan implement stepless inverter technology which features energy saving, noise reduction and long working life.
- Multi-unit control design that control number of operating unit to avoid competitve operation and more energy can be save as well.

Intelligent
Remote monitoring & control system

- Standard configured with RS485 port that compatible with Modbus and PMBus protocols (YD/T 1363.3). CoolMaster can connect with dynamic environment monitoring system, DCIM, BMS and remote monitoring system.
- TCP/IP communication card (optional): SNMP and direct access based on network IP address.
- Intelligent controller with microprocessor that can be used as terminal for IoT connection.
- Single control: Variable capacity unit (e.g: chilled water type and DX system with variable capacity component) which monitor the trend of heat load based on the collected data by adjusting the corresponding cooling capacity.
- Group control: Multiple units of CoolMaster PAC in a server room can control as a unit, this system monitor the trend of heat load based on the collected data by adjusting the corresponding cooling capacity.

Quality - Constant temperature and humidity control

- Temperature control at ±1°C; relative humidity control at ±5%.
- Temperature control at ±0.5°C; relative humidity control at ±2% for warehouse with precision instruments and etc.

Quality - Delicate design

- Implement frame-type structure design, high-strength and anti-vibration features.
- Electrical control system that use strong and weak current separation design.

Rapid

- **Immediate refrigeration**

  Evaporator possess large heat exchange area, high air flow and large capacity compressor that enable PAC to produce corresponding cooling capacity

- **Immediate response**

  Cooling, heating and humidity capacity demand are calculated; command are sent to initiative corresponding function.

High Effciency Configurations

Air Filter

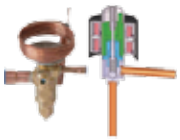
Similar surface area as the evaporator that could increase the filter-contact area (improved filter effect & lowered air resistance).

Pressure Difference Switch

To ensure fan operate in good condition.

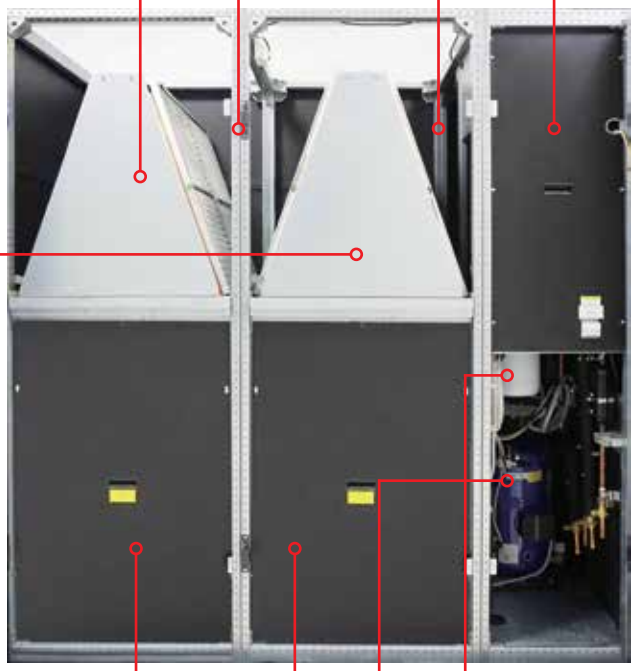
Advanced Control System

- Configured with RS485 port.
- 7-inch touchscreen display (standard configured).



Expansion Valve

- Precise control of refrigerant flow with better efficiency.
- TXV (standard configured) and EXV (optional)



Evaporator

- "M/W" type evaporator.
- Large heat exchange area, uniform air distribution and high heat exchange efficicency.

Humidifier

- Automatic washing function (boast high efficiency and large humidification volume).
- Infrared humidifier (optional).

Heater

- Electric heater configured with positive temperature coefficient (PTC) which features even heating and high thermal conductivity
- Overheat protection device.

Compressor

- Scroll compressor (standard configuration).
- EC compressor (optional).

Fan

- Standard configured with direct-driven backward curved centrifugal fan.
- Backward curved fan: fan will not overload by increasing the air resistance; stabilized air pressure; less power consumption.
- Direct-driven fan: less transmission loss and high efficiency. Less maintenance required.
- Optional: high efficiency backward curved EC centrifugal fan.

Specifications

CoolMaster Series (Air Cooled, Water Cooled and Glycol Cooled)

Model			Indoor	A5PCM025	A5PCM030	A5PCM035	A5PCM040	A5PCM042	A5PCM045	A5PCM050	A5PCM052
Air Discharge Direction				UP-FLOW, DOWN-FLOW							
Nominal Cooling Capacity			BTU/hr	90,500	111,300	126,600	141,700	146,800	164,200	171,000	179,900
			kW	26.5	32.6	37.1	41.5	43.0	48.1	50.1	52.7
Sensible Cooling Capacity			BTU/hr	83,300	102,400	116,700	130,400	135,200	151,200	157,400	165,500
			kW	24.4	30.0	34.2	38.2	39.6	44.3	46.1	48.5
Power	Power Source		V/Ph/Hz	380 ~ 415 / 3 / 50							
	FLA		A	28.4	32.0	34.3	42.8	46.7	47.1	47.1	50.6
	Recommend Capacity For Air Switch		A	40	40	50	63	63	63	63	63
Refrigerant Type				R410A							
Fan Type		Type		BACKWARD CENTRIFUGAL FAN							
		Quantity		1							
Air Filter				G4 FILTER							
Compressor Type		Type		FULLY HERMETIC SCROLL COMPRESSOR							
		Quantity		1				2	1		2
Air Flow			m³/h/CFM	7500 / 4414	8500 / 5003	9000 / 5297	11,000 / 6474	11,000 / 6474	12,000 / 7063	13,000 / 7651	13,000 / 7651
Water-Cooled/ Glycol-Cooled Unit	Water Valve Type			STANDARD CONFIGURATION: TWO-WAY VALVE; THREE WAY-VALVE (OPTIONAL)							
	Water Flow Rate		m³/h (l/s)	6.0 / 1.67	7.4 / 2.06	8.4 / 2.33	9.3 / 2.58	9.7 / 2.69	10.9 / 3.03	11.3 / 3.14	11.4 / 3.17
	Water Pressure Drop		kPa	45	52	48	53	40	59	75	45
	Water Pipe Size		mm/in	28.58 / 1-1/8"	28.58 / 1-1/8"	34.93 / 1-3/8"	34.93 / 1-3/8"	28.58 / 1-1/8"	34.93 / 1-3/8"	34.93 / 1-3/8"	28.58 / 1-1/8"
External Static Pressure			Pa	0~400 Pa (AS PER REQUIREMENT)							
Heating Capacity (Standard)			kW	6			9				
Humidifying Capacity (Standard)			kg/h	5			8				
Humidifier Pipe			mm/in	19 / 3/4"							
Pipe Connection	Size	Liquid	mm/in	16 / 0.63"				16X2 / 0.63" X2	16 / 0.63"		16x2 / 0.63" X2
		Gas	mm/in	19 / 3/4"				19X2 / 3/4" X2	19 / 3/4"		19x2 / 3/4" X2
Condesate Drain Pipe		Size	mm/in	19 / 3/4"							
Unit Dimension		Height	mm/in	1975 / 77.76							
		Width	mm/in	855 / 33.66		930 / 36.61		1380 / 54.33	930 / 36.61		1380 / 54.33
		Depth	mm/in	870 / 34.25		998 / 39.29		998 / 39.29	998 / 39.29		998 / 39.29
Occupied Space			m²	0.74	0.74	0.93	0.93	1.38	0.93	0.93	1.38
Unit Weight	Air-Cooled Unit		kg/lb	275 / 606	290 / 639	297 / 655	305 / 672	424 / 935	395 / 871	415 / 915	490 / 1080
	Water-Cooled Or Glycol Cooled Unit			295 / 650	310 / 683	317 / 699	325 / 717	450 / 992	415 / 915	435 / 959	520 / 1146

Model			Indoor	A5PCM060	A5PCM070	A5PCM080	A5PCM090	A5PCM100	A5PCM110	A5PCM120
Air Discharge Direction				UP-FLOW, DOWN-FLOW						
Nominal Cooling Capacity			BTU/hr	222,200	244,000	276,400	309,900	345,400	378,500	414,600
			kW	65.1	71.5	81.0	90.8	101.2	110.9	121.5
Sensible Cooling Capacity			BTU/hr	205,800	222,200	254,300	285,000	314,300	341,600	375,400
			kW	60.3	65.1	74.5	83.5	92.1	100.1	110.0
Power	Power Source		V/Ph/Hz	380 ~ 415 / 3 / 50						
	FLA		A	59.4	64.1	76.6	80.9	85.2	89.2	92.8
	Recommend Capacity For Air Switch		A	80	80	100	125	125	125	125
Refrigerant Type				R410A						
Fan Type		Type		BACKWARD CENTRIFUGAL FAN						
		Quantity		2						
Air Filter				G4 FILTER						
Compressor Type		Type		FULLY HERMETIC SCROLL COMPRESSOR						
		Quantity		2						
Air Flow			m³/h/CFM	17,000 / 10,006	18,000 / 10,594	21,000 / 12,360	24,000 / 14,125	25,000 / 14,714	26,000 / 15,303	27000 / 15,892
Water-Cooled/ Glycol-Cooled Unit	Water Valve Type			STANDARD CONFIGURATION: TWO-WAY VALVE; THREE WAY-VALVE (OPTIONAL)						
	Water Flow Rate		m³/h (l/s)	14.7 / 4.08	16.8 / 4.67	18.6 / 5.17	20.6 / 5.72	23.0 / 6.39	25.9 / 7.19	29.0 / 8.06
	Water Pressure Drop		kPa	47	48	54	71	80	83	89
	Water Pipe Size		mm/in	34.93 / 1-3/8"						
External Static Pressure			Pa	0~400 Pa (AS PER REQUIREMENT)						
Heating Capacity (Standard)			kW	9		12				
Humidifying Capacity (Standard)			kg/h	10						
Humidifier Pipe			mm/in	19 / 3/4"						
Pipe Connection	Size	Liquid	mm/in	16X2 / 0.63" X2					19X2 / 3/4" X2	
		Gas	mm/in	19X2 / 3/4" X2					25X2 / 0.98" X2	
Condesate Drain Pipe		Size	mm/in	19 / 3/4"						
Unit Dimension		Height	mm/in	1975 / 77.76						
		Width	mm/in	1830 / 72.05					2480 / 97.64	
		Depth	mm/in	998 / 39.29					998 / 39.29	
Occupied Space			m²	1.83	1.83	1.83	1.83	1.83	2.43	2.43
Unit Weight	Air-Cooled Unit		kg/lb	610 / 1345	730 / 1609	740 / 1631	780 / 1720	780 / 1720	910 / 2006	950 / 2094
	Water-Cooled Or Glycol Cooled Unit			650 / 1433	770 / 1698	800 / 1764	860 / 1896	860 / 1896	960	1000

Notes:

1. All specification are subjected to change by the manufacturer without prior notice.
2. Nominal cooling capacity are based on the condition below:

Return air temperature	24°C / RH 50%
Condensing temperature (air-cooled and water cooled)	45°C
Cooling water supply temperature	32°C
Return water temperature	37°C

3. FLA indicates maximum current of standard unit configuration, current of air-cooled ODU is not included.
4. Water pressure drop and water flow rate of glycol-cooled unit changed as per glycol concentration.
5. Unit dimension shown does not include the height of cap tuyere where the standard height of cap tuyere is 400mm. Other sizes available as well.

Specifications

CoolMaster Series (Chilled Water Type)

Model		Indoor	APCM031C	APCM041C	APCM051C	APCM061C	APCM071C	APCM081C	APCM091C	APCM101C	APCM110C
Air Discharge Direction			UP-FLOW, DOWN-FLOW								
Nominal Cooling Capacity		BTU/hr	107,900	141,700	175,400	209,900	245,000	277,500	313,600	345,700	381,200
		kW	31.6	41.5	51.4	61.5	71.8	81.3	91.9	101.3	111.7
Sensible Cooling Capacity		BTU/hr	97,600	124,600	153,600	184,300	215,000	249,100	275,100	307,800	334,400
		kW	28.6	36.5	45.0	54.0	63.0	73.0	80.6	90.2	98.0
Power	Power Source	V/Ph/Hz	380 ~ 415 / 3 / 50								
	FLA	A	13.5				22.5				27.1
Fan Quantity	Single Coil		1				2				
	Dual Coil		N/A	1			2				
Air Filter			G4 FILTER								
Air Flow		m³/h/CFM	9200 / 5415	9600 / 5650	10,200 / 6003	12,000 / 7063	17,000 / 10,006	20,400 / 12,007	21,300 / 12,537	22,200 / 13,066	23,500 / 13,832
Water Valve Type			STANDARD CONFIGURATION: TWO-WAY VALVE; THREE WAY-VALVE (OPTIONAL)								
Water Flow Rate		m³/h (l/s)	4.9 / 1.36	6.6 / 1.83	8.3 / 2.31	9.9 / 2.75	12.0 / 3.33	13.7 / 3.81	14.9 / 4.14	16.2 / 4.50	18.2 / 5.06
Water Pressure Drop		kPa	47.7	42.2	56.6	47.8	50.7	47.2	56.8	63.2	70.1
Chilled Water Pipe Size		mm/in	32 / 1.26"		42 / 1.65"				54 / 2.13"		
External Static Pressure		Pa	0~400 Pa (AS PER REQUIREMENT)								
Heating Capacity (Standard)		kW	6				9				12
Humidifying Capacity (Standard)		kg/h	5				8				15
Humidifier Pipe		mm/in	19 / 3/4"								
Condesate Drain Pipe	Size	mm/in	19 / 3/4"								
Unit Dimension (Single-Coil)	Height	mm/in	1975 / 77.76								
	Width	mm/in	930 / 36.61				1830 / 72.05				
	Depth	mm/in	998 / 39.29				998 / 39.29				
Unit Dimension (Dual-Coil)	Height	mm/in	N/A	1975 / 77.76			1975 / 77.76				
	Width	mm/in	N/A	1130 / 44.49			2230 / 87.80				
	Depth	mm/in	N/A	998 / 39.29			998 / 39.29				
Occupied Space	Single Coil	mm/in	0.93				1.83				
	Dual Coil	mm/in	N/A	1.13			2.23				
Unit Weight	Single Coil	mm/in	282 / 622	324 / 714	385 / 849	406 / 895	523 / 1153	566 / 1248	597 / 1316	615 / 1356	636 / 1402
	Dual Coil	mm/in	N/A	405 / 893	485 / 1069	503 / 1109	702 / 1548	743 / 1638	762 / 1680	790 / 1742	835 / 1841

Model		Indoor	APCM120C	APCM130C	APCM140C	APCM150C	APCM160C	APCM170C	APCM180C	APCM190C	APCM200C
Air Discharge Direction			UP-FLOW, DOWN-FLOW								
Nominal Cooling Capacity		BTU/hr	416,700	448,700	480,500	521,400	553,200	588,000	622,400	654,500	689,600
		kW	122.1	131.5	140.8	152.8	162.1	172.3	182.4	191.8	202.1
Sensible Cooling Capacity		BTU/hr	364,800	393,500	422,500	467,200	492,100	517,300	548,700	577,000	608,100
		kW	106.9	115.3	123.8	136.9	144.2	151.6	160.8	169.1	178.2
Power	Power Source	V/Ph/Hz	380 ~ 415 / 3 / 50								
	FLA	A	27.1			31.5					
Fan Quantity	Single Coil		2			3					
	Dual Coil		3			N/A					
Air Filter			G4 FILTER								
Air Flow		m³/h/CFM	25,500 / 15,009	26,500 / 15,597	28,000 / 16,480	31,500 / 18,540	33,000 / 19,423	34,000 / 20,012	35,500 / 20,895	37,000 / 21,777	38,000 / 22,366
Water Valve Type			STANDARD CONFIGURATION: TWO-WAY VALVE; THREE WAY-VALVE (OPTIONAL)								
Water Flow Rate		m³/h (l/s)	19.8 / 5.50	21.6 / 6.00	23.0 / 6.39	24.4 / 6.78	25.9 / 7.19	27.6 / 7.67	29.7 / 8.25	31.2 / 8.67	34.4 / 9.56
Water Pressure Drop		kPa	72.5	74.8	72.5	76.0	81.2	83.6	89.4	94.0	98.5
Chilled Water Pipe Size		mm/in	54 / 2.13"			68 / 2.68"					
External Static Pressure		Pa	0~400 Pa (AS PER REQUIREMENT)								
Heating Capacity (Standard)		kW	12								
Humidifying Capacity (Standard)		kg/h	15								
Humidifier Pipe		mm/in	19 / 3/4"								
Condesate Drain Pipe	Size	mm/in	19 / 3/4"								
Unit Dimension (Single-Coil)	Height	mm/in	1975 / 77.76								
	Width	mm/in	1830 / 72.05			2730 / 107.48					
	Depth	mm/in	998 / 39.29			998 / 39.29					
Unit Dimension (Dual-Coil)	Height	mm/in	1975 / 77.76				N/A				
	Width	mm/in	3330 / 131.10				N/A				
	Depth	mm/in	998 / 39.29				N/A				
Occupied Space	Single Coil	mm/in	1.83			2.73					
	Dual Coil	mm/in	3.33			N/A					
Unit Weight	Single Coil	mm/in	656 / 1446	680 / 1499	697 / 1537	788 / 1737	810 / 1786	835 / 1841	866 / 1909	897 / 1978	923 / 2035
	Dual Coil	mm/in	896 / 1975	935 / 2061	966 / 2130	1050 / 2315	N/A				

Notes:

1. All specification are subjected to change by the manufacturer without prior notice.
2. Nominal cooling capacity are based on the condition below:

Return air temperature	24°C / RH 50%
Chilled water supply temperature	7°C
Return water temperature	12°C

3. FLA indicates maximum current of standard unit configuration, air-cooled ODU is not included.
4. Unit dimension shown does not include the height of cap tuyere where the standard height of cap tuyere is 400mm. Other sizes available as well.
5. For requirement of chilled water dual-coil unit outside the range of 41.5 to 152.8kW, please contact Acson Malaysia for customized units.
6. For requirement of static pressure more than 400Pa, please contact Acson Malaysia for customized units.

Specifications

CoolMaster Series (Dual Cool Type)

Model			Indoor	A5PCM030D	A5PCM040D	A5PCM042D	A5PCM050D	A5PCM052D	A5PCM060D	A5PCM070D	A5PCM080D	A5PCM090D	A5PCM100D
Air Discharge Direction				UP-FLOW, DOWN-FLOW									
Compressor Side	Nominal Cooling Capacity		BTU/hr	107,200	135,900	139,600	163,200	171,700	218,400	246,700	272,300	298,600	326,600
			kW	31.4	39.8	40.9	47.8	50.3	64.0	72.3	79.8	87.5	95.7
	Sensible Cooling Capacity		BTU/hr	96,600	122,500	126,300	147,100	154,600	196,600	222,200	245,400	268,900	294,200
			kW	28.3	35.9	37.0	43.1	45.3	57.6	65.1	71.9	78.8	86.2
Chilled Water Cooling Side	Nominal Cooling Capacity		BTU/hr	98,000	132,100	132,100	170,300	170,300	203,100	234,800	269,300	284,600	302,000
			kW	28.7	38.7	38.7	49.9	49.9	59.5	68.8	78.9	83.4	88.5
	Sensible Cooling Capacity		BTU/hr	90,800	124,900	124,900	156,000	156,000	188,700	217,700	245,400	260,100	272,300
			kW	26.6	36.6	36.6	45.7	45.7	55.3	63.8	71.9	76.2	79.8
Power	Power Source		V/Ph/Hz	380 ~ 415 / 3 / 50									
	FLA		A	32.0	42.8	47.1	47.1	50.6	59.4	64.1	76.6	80.9	85.2
	Recommend Capacity For Air Switch		A	40	63				80		100	125	
Refrigerant Type				R410A									
Fan Type		Type		BACKWARD CENTRIFUGAL FAN									
		Quantity		1					2				
Air Filter				G4 FILTER									
Compressor Type		Type		FULLY HERMETIC SCROLL COMPRESSOR									
		Quantity		1	1	2	1	2					
Air Flow			m³/h/CFM	8000 / 4709	10,000 / 5886	10,000 / 5886	11,500 / 6769			17,000 / 10,006	20,000 / 11,772	22,000 / 12,949	23,000 / 13,537
Water Valve Type				STANDARD CONFIGURATION: TWO-WAY VALVE; THREE WAY-VALVE (OPTIONAL)									
Chilled Water Cooling Unit	Chilled Water Flow Rate		m³/h (l/s)	4.9 / 1.36	6.6 / 1.83	6.6 / 1.83	8.5 / 2.36	8.5 / 2.36	10.1 / 2.81	11.7 / 3.25	13.4 / 3.72	14.2 / 3.94	15.0 / 4.17
	Chilled Water Pressure Drop		kPa	52.6	39.4	39.4	62.0	62.0	45.1	47.0	53.3	55.8	58.5
	Water Pipe Size		mm/in	32 / 1-1/4"			38 / 1-1/2"				51 / 2"		
Water Cooled Dual Cooled	Cooling Water Flow Rate		m³/h (l/s)	7.4 / 2.06	9.3 / 2.58	9.7 / 2.69	11.3 / 3.14	11.4 / 3.17	14.7 / 4.08	16.8 / 4.67	18.6 / 5.17	20.6 / 5.72	23.0 / 6.39
	Cooling Water Pressure Drop		kPa	52.0	53.0	40.0	75.0	45.0	47.0	48.0	54.0	71.0	80.0
	Cooling Water Pipe Size		mm/in	28.58 / 1-1/8"	34.93 / 1-3/8"	28.58 / 1-1/8"	34.93 / 1-3/8"	28.58 / 1-1/8"	34.93 / 1-3/8"				
External Static Pressure			Pa	0~400 Pa (AS PER REQUIREMENT)									
Heating Capacity (Standard)			kW	6	9						12		
Humidifying Capacity (Standard)			kg/h	5	8				10				
Humidifier Pipe			mm/in	19 / 3/4"									
Pipe Connection	Size	Liquid	mm/in	16 / 0.63"		16X2 / 0.63" X2	16 / 0.63"	16X2 / 0.63" X2					
		Gas	mm/in	19 / 3/4"		19*2 / 3/4" X2	19 / 3/4"	19*2 / 3/4" X2					
Condesate Drain Pipe		Size	mm/in	19 / 3/4"									
Unit Dimension		Height	mm/in	1975 / 77.76	1975 / 77.76				1975 / 77.76		1975 / 77.76		
		Width	mm/in	855 / 33.66	1580 / 62.20				2280 / 89.76		2680 / 105.51		
		Depth	mm/in	870 / 34.25	998 / 39.29				998 / 39.29		998 / 39.29		
Occupied Space			m²	0.74	1.58				2.28		2.67		
Unit Weight			kg/lb	390 / 860	475 / 1047	545 / 1202	595 / 1312	615 / 1356	790 / 1742	830 / 1830	910 / 2006	980 / 2161	1000 / 2205

Notes:

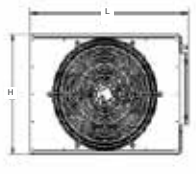
1. All specification are subjected to change by the manufacturer without prior notice.
2. Nominal cooling capacity are based on the condition below:

Return air temperature	24°C / RH 50%
Air and water-cooled condensate temperature	45°C
Cooling water supply temperature	32°C
Return water temperature	37°C
Chilled water supply temperature	7°C
Chilled water return temperature	12°C

3. FLA indicates maximum current of standard unit configuration, air-cooled ODU is not included.
4. Unit dimension shown does not include the height of cap tuyere where the standard height of cap tuyere is 400mm. Other sizes available as well.

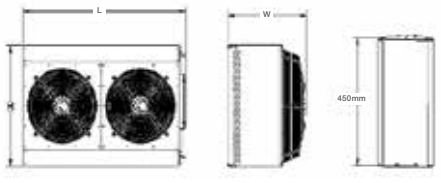
Stepless Inverter Condenser Fan

- Variable-frequency stepless speed regulated technology (fan speed changes as per condensation pressure).
- Optional: Owl serrated design fan (reduce energy consumption and noise), Low noise outdoor unit & Soundproofing wall.



Front View | Side View | ODU Supporting Rack

Structural Diagram (Single fan)



Front View | Side View | ODU Supporting Rack

Structural Diagram (Dual fans)

Model				A5OPC26	A5OPC32	A5OPC42	A5OPC50		A5OPC60		A5OPC72	
Refrigerant Circuit Quantity				SINGLE LOOP			SINGLE LOOP	DUAL LOOP	SINGLE LOOP	DUAL LOOP	SINGLE LOOP	DUAL LOOP
Quantity of Fans				1							2	
Power Source				380 ~ 415 / 3 / 50								
FLA			A	1.75		2.4					3.5	
Unit Dimension		Height	mm/in	968 / 38.11			1273 / 50.12				1273 / 50.12	
		Width	mm/in	655 / 25.79		661 / 26.02	661 / 26.02				655 / 25.79	
		Depth	mm/in	1360 / 53.54			1560 / 61.42				1860 / 73.23	2060 / 81.10
Unit Weight			kg/lb	112 / 247	120 / 265	128 / 282	136 / 300	138 / 304	152 / 335	154 / 340	168 / 370	178 / 392
Refrigerant Pipe	Size	Liquid	mm/in	16 / 0.63"			22 / 0.87"	16 / 0.63"	22 / 0.87"	16 / 0.63"	22 / 0.87"	16 / 0.63"
		Gas	mm/in	22 / 0.87"			28 / 1.10"	22 / 0.87"	28 / 1.10"	22 / 0.87"	28 / 1.10"	22 / 0.87"

Model				A5OPC80		A5OPC86		A5OPC90		A5OPC99	
Refrigerant Circuit Quantity				SINGLE LOOP	DUAL LOOP	SINGLE LOOP	DUAL LOOP	SINGLE LOOP	DUAL LOOP	SINGLE LOOP	DUAL LOOP
Quantity of Fans				2							
Power Source				380 ~ 415 / 3 / 50							
FLA			A	3.5		3.5		4.8		4.8	
Unit Dimension		Height	mm/in	1273 / 50.12		1273 / 50.12		1273 / 50.12		1273 / 50.12	
		Width	mm/in	655 / 25.79		655 / 25.79		661 / 26.02		661 / 26.02	
		Depth	mm/in	1860 / 73.23	2060 / 81.10	1860 / 73.23	2060 / 81.10	2360 / 92.91		2360 / 92.91	
Unit Weight			kg/lb	168 / 370	178 / 392	181 / 399	193 / 425	226 / 498		245 / 540	
Refrigerant Pipe	Size	Liquid	mm/in	22 / 0.87"	16 / 0.63"	22 / 0.87"	16 / 0.63"	22 / 0.87"	16 / 0.63"	22 / 0.87"	16 / 0.63"
		Gas	mm/in	28 / 1.10"	22 / 0.87"	28 / 1.10"	22 / 0.87"	28 / 1.10"	22 / 0.87"	28 / 1.10"	22 / 0.87"

Notes:

1. Outdoor condenser can be installed horizontally or vertically.
2. A 450 mm supporting rack is attached with condenser for horizontal installation.

ACSON International
Air Conditioners

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