

CHILLED WATER SYSTEM

Hydro Technology

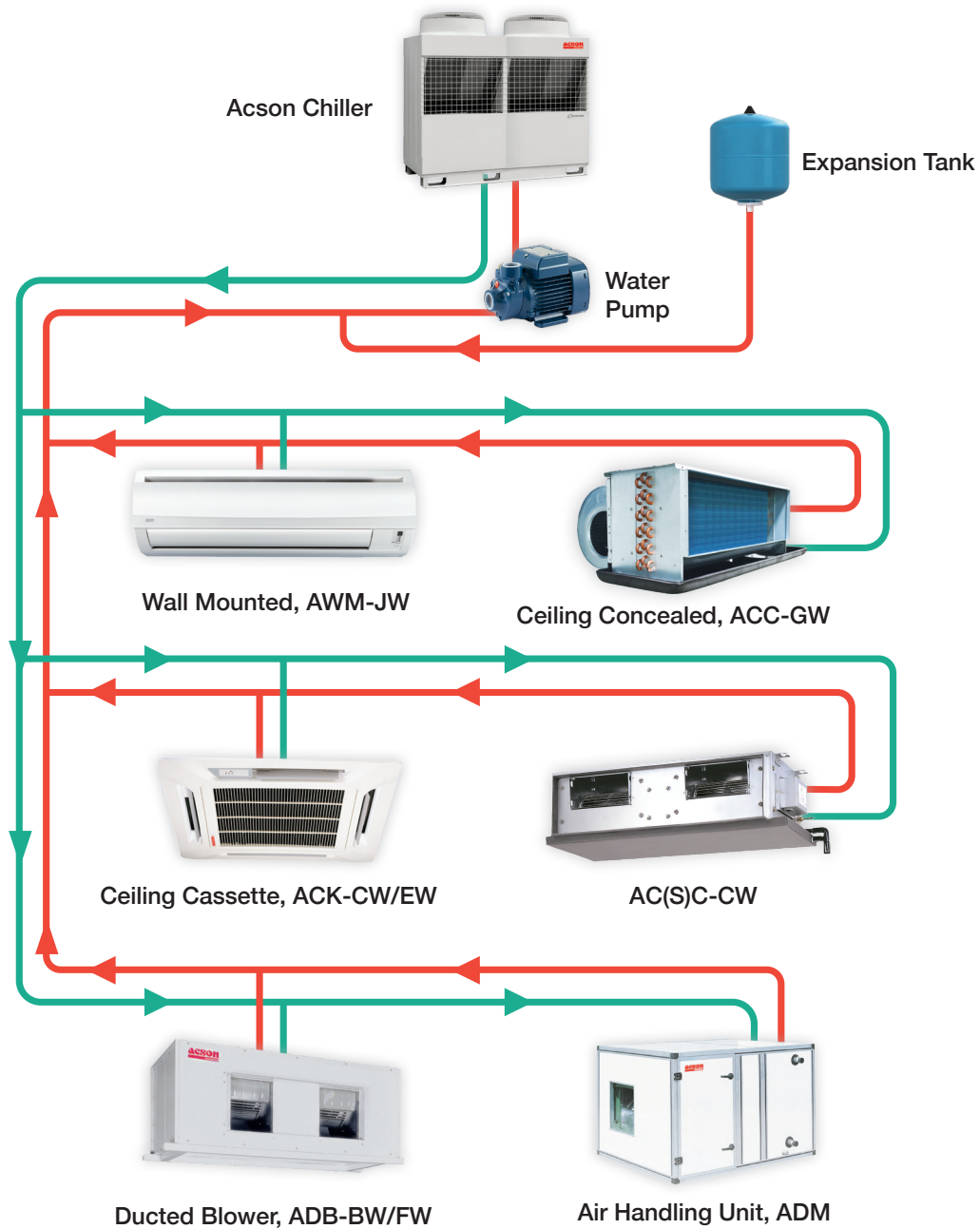
ACSON[®]
International
Air Conditioners



CHILLED WATER SYSTEM

Hydro Technology

Acson Chilled Water System could use air or water to cool down the refrigerant circuit. The cooled refrigerant is then circulated to a Brazed Plate Heat Exchanger (BPHE) where heat exchange will take place to cool down the water or glycol laced water. The chilled water is then circulated to the Fan Coil Unit (FCU) to cool desired place.



*Picture is for illustration purpose only.

FEATURE | CHILLED WATER SYSTEM

| LONG PIPING APPLICATIONS

Unlike normal Direct Expansion system with constraints in piping design and installation, Acson Chilled Water System allows for long piping application by correct pump sizing. All refrigerant circuit is within the system making it no risk of leakage in building and no oil return issue.

| PARTIAL LOADING

Acson Chilled Water System is designed with two or more separate refrigerant circuits with multiple compressors. By doing so, the unit has part load capabilities. This will improve the reliability and energy efficiency especially during low loading operations.

* Mini Chiller - Applicable for A5ACY100-150ER

** Modular Chiller - Applicable for

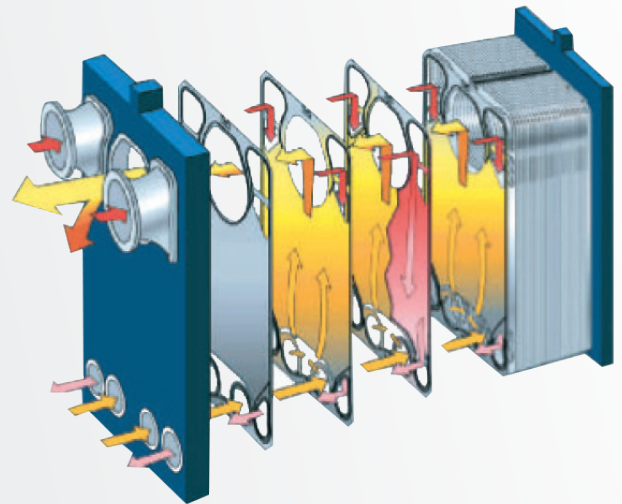
A3MAC230E - 3680E, A3MAC450E-7200E
A5MAC230D~3680D, A5MAC230E~3680E,
A5MAC340D~5440D, A5MAC450D~7200D,
A5MWC20~320BR, A5MWC30BR~480BR &
A5MWC40~640BR

| TIME AND COST SAVING

As the unit is fully assembled in the factory and pass through a series of stringent quality control and assurance processes, mind is rest assured when installing the system. Refrigerant is also pre-charged to reduce the hustle of field charging and cost saving.

| BRAZED PLATE HEAT EXCHANGER

The heat exchanger is made of AISI 316 stainless steel plates closely arranged and brazed together to maximize heat exchange for higher efficiency.



| COMPACT SIZE

The Chilled Water System is so compact that it can be integrated perfectly with any architectural design, making it an ideal choice for house, office, restaurant and shop.



R32 AIR COOLED MODULAR CHILLER

Inverter E-Series



A3MAC-E series air-cooled modular chiller incorporates advanced DC inverter technology and high-quality, well-known brand components that are rigorously tested for optimal compatibility and reliability. The system's selection and configuration are fully optimized to ensure superior performance. With efficient inverter compressors, brazed plate heat exchanger, finned tube heat exchanger, and electronic expansion valves, this chiller delivers exceptional performance and high efficiency.

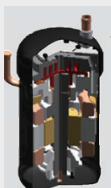
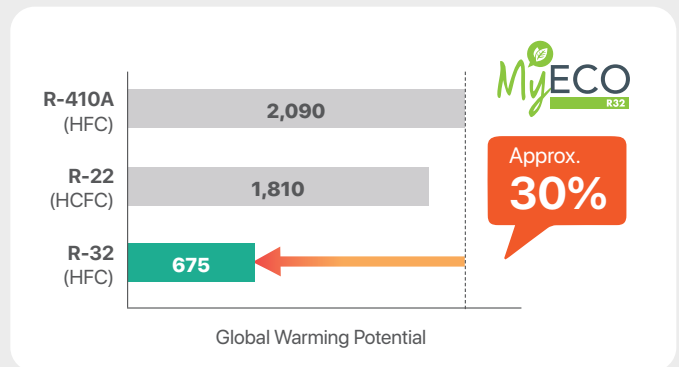
Model	Cooling Capacity	Refrigerant
A3MAC230E	65kW - 1040 kW	R32
A3MAC450E	130kW - 2020 kW	

FEATURE | CHILLED WATER SYSTEM

R32 REFRIGERANT GREENERY REFRIGERANT

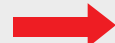


Acson MyEco offers eco-friendly products which lead to a more environmentally friendly and sustainable future. R32 refrigerant contribute to zero Ozone Depletion potential and the reduction of global warming potential up to 30% when compared with R410A and R22 refrigerant.



High efficiency compressor

+



Intelligent control system

High efficiency modular chiller

INVERTER TECHNOLOGY



By advanced DC inverter technology, it provides the outstanding energy efficient performance. The module is equipped with a DC inverter compressor and fan motor, as well as intelligent inverter control system. The inverter driven feature multi speed driven compressors precisely match their output capacity according to load requirement, so that the module is always maintain at optimal energy efficiency operation.

REDUNDANT OPERATION

The redundancy feature ensures backup capacity and maintains operational continuity in case of a component failure. A faulty unit can be isolated for maintenance without disrupting the normal operation of other units.



EXPANDABLE CAPACITY

The modular design offers a new level of unit compactness and expansions, configuration flexibility, allowing for easy expansion of capacity. By combining up to 16 units, you can seamlessly extend the system to meet additional cooling requirements for building.



MULTIPLE STEP EXV CONTROL

480-steps electronic expansion valve achieves accurately control of throttling.

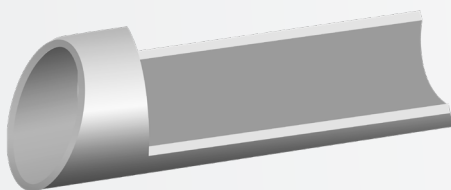


ENHANCED BPHE

The stainless steel brazed plate heat exchanger uses the new forcible cross convection technology to achieve higher efficiency and smaller size.

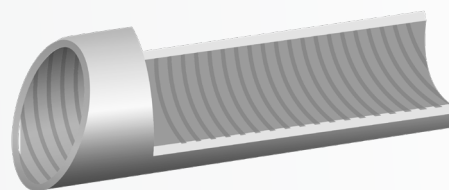


INTEGRATED HEAT EXCHANGER DESIGN



Common bare pipe

The inner surface of common bare pipe is smooth, so the contact area with refrigerant is small and the heat exchange efficiency is relatively low.



Inner-grooved copper tube

Acson adopts the highly efficient inner-grooved copper tube with a large surface area and efficient heat exchange performance.

TECHNICAL SPECIFICATION

A3MAC 230E - A3MAC 1380E (R32)

Model		A3MAC230E	A3MAC460E	A3MAC690E	A3MAC920E	A3MAC1150E	A3MAC1380E
Nominal Cooling Capacity	BTU/hr	221,790	443,580	665,370	887,160	1,108,950	1,330,740
	kW	65	130	195	260	325	390
Rated Power Input	kW	21.6	43.2	64.8	86.4	108.0	129.6
Rated Running Current	A	32.7	65.4	98.1	130.8	163.5	196.2
Max. Running Current	A	58.6	117.2	175.8	234.4	293.0	351.6
COP		3.01					
IPLV		6.20					
Power Source	V/Ph/Hz	380-415 / 3 / 50					
Refrigerant Control		EXV					
Nominal Water Flow Rate	m ³ /h	11.2	22.4	33.6	44.8	56.0	67.2
Nominal Water Pressure Drop	kPa	42	84	126	168	210	252
Water Pipe Size		Rc 2					
Unit Dimensions (Individual)	Length	mm (in)		2,120 (83.5)			
	Width	mm (in)		1,100 (43.3)			
	Height	mm (in)		1,045 (41.1)			
Packing Dimensions (Individual)	Length	mm (in)		2,250 (88.6)			
	Width	mm (in)		1,180 (46.5)			
	Height	mm (in)		1,140 (44.9)			
Net Weight	kg	422	844	1,266	1,688	2,110	2,532
Operating Weight	kg	425	850	1,275	1,700	2,125	2,550
Refrigerant	Type		R32				
	Charge	kg	10.9	21.8	32.7	43.6	54.5

Arbitrary combination up to 16 modules

Notes:

- Unit dimension is taken assuming units is stacked front facing the back and with installation clearance.
- Nominal cooling capacity are based on the conditions below:

Mode		Cooling
Evaporator	Leaving Water Temperature	7°C
Condenser	Ambient Temperature	35°C DB / 24° C WB
Nominal Flow Rate		0.172 m ³ /h.kW

- IPLV = COP of 100% LOAD @ 35C AMBIENT x 2.3% + COP of 75% LOAD @ 31.5C AMBIENT x 41.5% + COP in 50% LOAD @ 28.0C AMBIENT x 46.1% + COP IN 25% LOAD @ 24.5C AMBIENT x 10.1.
- Parameter above is tested under rated voltage of 380V.
- Water pressure drop includes water pressure drop of both the unit and the strainer.
- For maximum running current ambient temperature is 43°C.
- Combination above is in series, parameter such as water flowrate vary depend on design.
- All specifications are subjected to change by the manufacturer without prior notice.

TECHNICAL SPECIFICATION

A3MAC 450E - A3MAC 2700E (R32)

Model		A3MAC450E	A3MAC900E	A3MAC1350E	A3MAC1800E	A3MAC2250E	A3MAC2700E
Nominal Cooling Capacity	BTU/hr	443,500	887,100	1,330,700	1,774,300	2,217,800	2,661,400
	kW	130	260	390	520	650	780
Rated Power Input	kW	43.2	86.4	129.6	173.6	217.0	259.2
Rated Running Current	A	67.5	135.0	202.5	246.0	307.5	369.0
Max. Running Current	A	104.0	208.0	312.0	416.0	520.0	624.0
COP		3.01					
IPLV		5.96					
Power Source	V/Ph/Hz	380-415 / 3 / 50					
Refrigerant Control		EXV					
Nominal Water Flow Rate	m ³ /h	22.4	44.8	67.2	89.6	112.0	134.4
Nominal Water Pressure Drop	kPa	24	48	72	96	120	144
Water Pipe Size		Rc 2 1/2					
Unit Dimensions (Individual)	Length	mm (in)		2,300 (90)			
	Width	mm (in)		2,100 (83)			
	Height	mm (in)		1,100 (43)			
Packing Dimensions (Individual)	Length	mm (in)		2,430 (96)			
	Width	mm (in)		2,175 (86)			
	Height	mm (in)		1,150 (45)			
Net Weight	kg	873	1,746	2,619	3,492	4,365	5,238
Operating Weight	kg	878	1,756	2,634	3,512	4,390	5,268
Refrigerant	Type	R32					
	Charge	kg	22.6	45.2	67.8	90.4	113

Arbitrary combination up to 16 modules

Notes:

- Unit dimension is taken assuming units is stacked front facing the back and with installation clearance.
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R410A AIR COOLED MODULAR CHILLER

Inverter E-Series



Acson is committed to offer the new high efficiency inverter air-cooled modular chiller that meets the challenging need of today’s market. With advanced technology, it combines both the benefits of R410A refrigerant and inverter in 1 united body. It is proper designed to provide the best coefficient of performance by option of using variable speed compressor instead of fixed-speed compressor to ensure the end product is compatible with various applications. Air-cooled Modular Chiller Inverter E Series is surely a people oriented solution for the next generation.

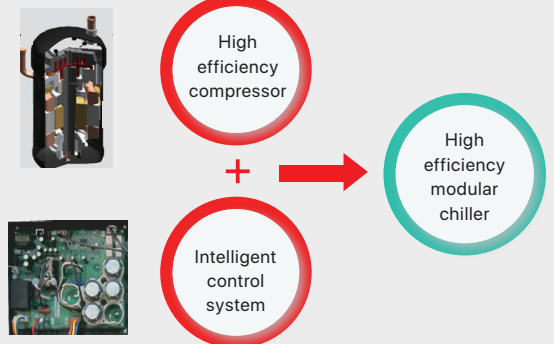
Model	Cooling Capacity	Refrigerant
A5MAC230E2	65 kW - 1040 kW	R410A
A5MAC450E	130 kW - 2080 kW	

FEATURE | CHILLED WATER SYSTEM

INVERTER TECHNOLOGY



By advanced DC inverter technology, it provides the outstanding energy efficient performance. The module is equipped with a DC inverter compressor and fan motor, as well as intelligent inverter control system. The inverter driven feature multi speed driven compressors precisely match their output capacity according to load requirement, so that the module is always maintain at optimal energy efficiency operation.

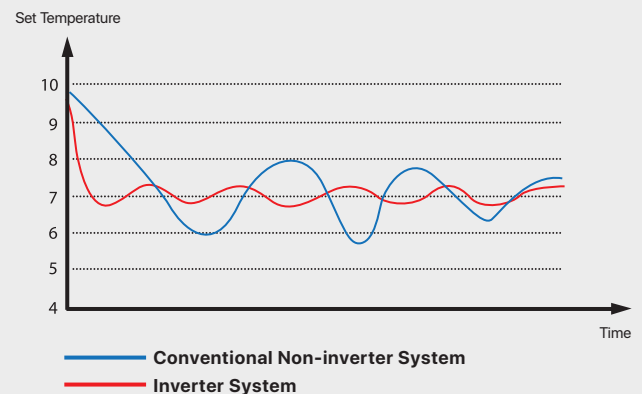


PRECISE TEMPERATURE CONTROL

The unique Inverter keeps room temperature stable by controlling the compressor at variable speed with minimum temperature fluctuation. Thus, each unit auto adaptive to real capacity needs for a high level of comfort.

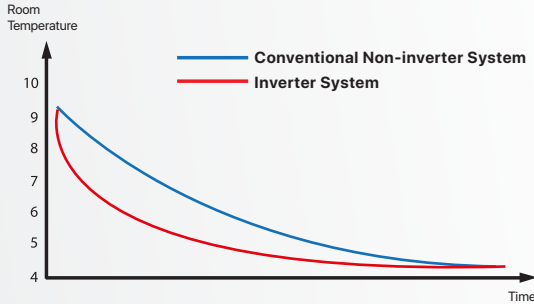
Inverter	Non-Inverter
<ul style="list-style-type: none"> • Compressor speed changes • Compressor slow down when reaches set temperature 	<ul style="list-style-type: none"> • Compressor single speed • Temperature falls/rises significantly.

Precise & Stable Temperature Control



RAPID COOLING

Able to optimize in shorter period of time.



Inverter	Non-Inverter
<ul style="list-style-type: none"> • Maximum compressor speed when turned on • Reaches set temperature faster 	<ul style="list-style-type: none"> • Fixed compressor speed • Time to reach set temperature depend on heat gain

LOW INRUSH CURRENT

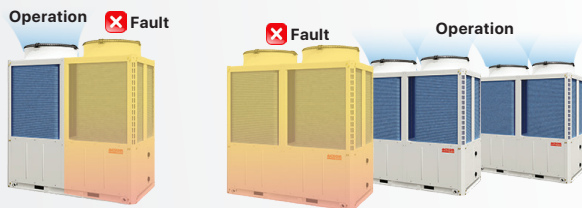
Inverter driven compressor requires lower starting torque which features soft start to ensure a smooth ramp up profile without withdrawing high current. This aspect avoid peak fluctuation that potential to harm sensitive equipment and no need of expensive additional components for power factor correction.

EXPANDABLE CAPACITY

The beauty of modular design feature new levels of unit compact in size and configuration which facilitates flexibility in expands of capacity for building extension by arbitrary combination up to 16 units to cater to additional cooling requirements.

REDUNDANT OPERATION

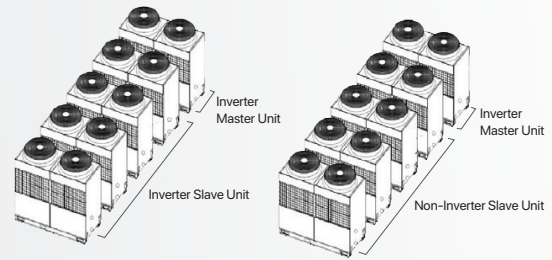
Redundancy feature back up capacity and capabilities to continue to run given a component failure. Fault of any unit can be isolated for service and will not affect the normal operation of other units.



EZ-COMM FOR MODBUS COMMUNICATION

Acson Inverter Air Cooled Modular Chiller has a standard Modbus port that can be easily connect to Building Automation System (BAS). Making centralized control can be easily achieve.

DIVERSE SYSTEM SOLUTION



*Maximum number of a system is 16 units.
*Non - inverter is D model ranges from A5MAC230, 340 and 450D depends on model.

RELATIVE HUMIDITY CONTROL

Control of temperature and relative humidity can be achieved precisely by adding accessories such as heating coil and electrical heater.

SUPPLY FRESH AIR REGULATION

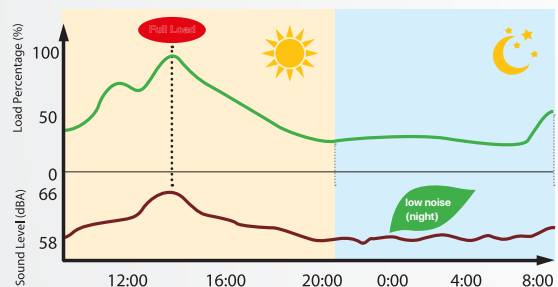
Able to couple with different Air Handling Unit (AHU) which fresh air can be easily introduce from outside and extract stale air to the outside thus improve Indoor Air Quality (IAQ).

HIGH PART LOADING EFFICIENCY

Acson inverter air cooled modular chiller excel is part loading has IPLV value of 4.51.

PRACTICALLY SILENT OPERATION

The inverter sound performance introduces sound level as low as 58dBA with respect to conventional unit. At part-load conditions, typical at the night, the inverter device adjust speed variation to have lower sound levels than conventional on-off compressor systems in both running and start-up periods.



TECHNICAL SPECIFICATION

A5MAC 230E2 - A5MAC 2700E (R410A)

Model		A5MAC230E2	A5MAC460E2	A5MAC690E2	A5MAC920E2	A5MAC1150E2	A5MAC1380E2
Nominal Cooling Capacity	BTU/h	221,790	443,580	665,370	887,160	1,108,950	1,330,740
	kW	65	130	195	260	325	390
Nominal Total Input Power	kW	20	40	60	80	100	120
Nominal Running Current	A	32.3	64.6	96.9	129.2	161.5	193.8
Max. Running Current	A	48.2	96.4	144.6	192.8	241.0	289.2
COP		3.25					
IPLV		5.52					
Power Source	V/Ph/Hz	380~415V/3N~/50Hz					
Refrigerant Control		EXV					
Sound Pressure Level	dBA	65	65	66	66	67	67
Nominal Water Flow Rate	m³/h	11.2	22.4	33.6	44.8	56	67.2
Nominal Water Pressure Drop	kPa	34	68	102	136	170	204
Pipe	Size	mm (in) 50.8 (2)					
Unit Dimension	Height	mm (in) 2,120 (83.5)					
	Width	mm (in) 1,100 (43.3)					
	Depth	1,045 (41.1)	2,090 (82.3)	3,135 (123.4)	4,180 (164.6)	5,225 (205.7)	6,270 (246.8)
Packing Dimension (Individual)	Height	mm (in) 2,250 (88.6)					
	Width	mm (in) 1,150 (45.3)					
	Depth	mm (in) 1,170 (46.1)					
Net Weight	kg (lb)	420 (925)	840 (1,852)	1,260 (2,778)	1,680 (3,704)	2,100 (4,630)	2,520 (5,555)
Gross Weight	kg (lb)	430 (948)	860 (1,896)	1,290 (2,844)	1,720 (3,792)	2,150 (4,740)	2,580 (5,688)
Operating Weight	kg (lb)	425 (937)	850 (1,874)	1,275 (2,811)	1,700 (3,748)	2,125 (4,685)	2,550 (5,622)
Refrigerant	Type	R410A					
	Charge	kg (lb)	17.5 (38)	35 (77)	52.5 (116)	70 (154)	62.5 (138)

Notes:

Arbitrary combination up to 16 modules

- Unit dimension is taken assuming units is stacked front facing the back and with installation clearance.
- Nominal cooling capacity are based on the conditions below:

Mode		Cooling
Evaporator	Leaving Water Temperature	7°C
Condenser	Ambient Temperature	35°C DB / 24° C WB
Nominal Flow Rate		0.172 m³/h.kW

- IPLV = COP of 100% LOAD @ 35C AMBIENT x 2.3% + COP of 75% LOAD @ 31.5C AMBIENT x 41.5% + COP in 50% LOAD @ 28.0C AMBIENT x 46.1% + COP IN 25% LOAD @ 24.5C AMBIENT x 10.1.
- Parameter above is tested under rated voltage of 380V.
- Water pressure drop includes water pressure drop of both the unit and the strainer.
- For maximum running current ambient temperature is 43°C.
- Combination above is in series, parameter such as water flowrate vary depend on design.
- All specifications are subjected to change by the manufacturer without prior notice.

TECHNICAL SPECIFICATION

A5MAC 450E - A5MAC 2700E (R410A)




Model		A5MAC450E	A5MAC900E	A5MAC1350E	A5MAC1800E	A5MAC2250E	A5MAC2700E
Nominal cooling capacity	BTU/h	443,500	887,100	1,330,700	1,774,300	2,217,800	2,661,400
	kW	130	260	390	520	650	780
Nominal total input power	kW	39.40	78.80	118.20	157.60	197.00	236.40
Nominal running current	A	64	128	192	256	320	384
Max. Running Current	A	97.9	195.8	293.7	391.6	489.5	587.4
COP		3.30					
IPLV		5.52					
Power source	V/Ph/Hz	380-415/3/50					
Refrigerant control		EXV					
Sound Pressure Level	dBA	69	69.4	69.8	70.2	70.5	70.8
Nominal Water Flow Rate	m ³ /h	22.4	44.8	67.2	89.6	112	134.4
Nominal Water Pressure Drop	kPa	45	90	135	180	225	270
Pipe	Size	mm (in) 63.5 (2 - 1/2)					
Unit dimension	Height	mm (in) 2,300 (90)					
	Width	mm (in) 2,100 (83)					
	Depth	1,100 (43)	2,744 (108)	4,388 (173)	6,032 (237)	7,676 (302)	9,320 (367)
Packing Dimension (Individual)	Height	mm (in) 2,430 (96)					
	Width	mm (in) 2,175 (86)					
	Depth	mm (in) 1,150 (45)					
Net weight	kg (lb)	928 (2,045)	1,856 (4,091)	2,784 (6,137)	3,712 (8,183)	4,640 (10,229)	5,568 (12,275)
Gross weight	kg (lb)	948 (2,090)	1,896 (4,180)	2,844 (6,270)	3,792 (8,360)	4,740 (10,450)	5,688 (12,540)
Operating weight	kg (lb)	938 (2,068)	1,876 (4,136)	2,814 (6,204)	3,752 (8,272)	4,690 (10,340)	5,628 (12,408)
Refrigerant	Type	R410A					
	Charge	kg (lb)	34 (75)	68 (150)	102 (224.9)	136 (299.8)	170 (374.8)

- Notes: Arbitrary combination up to 16 modules
- Unit dimension is taken assuming units is stacked front facing the back and with installation clearance.
 - Nominal cooling capacity are based on the conditions below:

Mode		Cooling
Evaporator	Leaving Water Temperature	7°C
Condenser	Ambient Temperature	35°C DB / 24° C WB
Nominal Flow Rate		0.172 m ³ /h.kW

- IPLV = COP of 100% LOAD @ 35C AMBIENT x 2.3% + COP of 75% LOAD @ 31.5C AMBIENT x 41.5% + COP in 50% LOAD @ 28.0C AMBIENT x 46.1% + COP IN 25% LOAD @ 24.5C AMBIENT x 10.1.
- Parameter above is tested under rated voltage of 380V.
- Water pressure drop includes water pressure drop of both the unit and the strainer.
- For maximum running current ambient temperature is 43°C.
- Combination above is in series, parameter such as water flowrate vary depend on design.
- All specifications are subjected to change by the manufacturer without prior notice.

Air Cooled Modular Chiller D Series

Model						
	A5MAC 230D-3680D		A5MAC 340D-5440D		A5MAC 450D-7200D	
Cooling Capacity	kW	65 - 1040	100 - 1600	135 - 2160	130 - 2080	295 - 4720
Refrigerant	R410A					

FEATURE | AIR COOLED MODULAR CHILLER D SERIES

MODULAR DESIGN

The modular chiller allows for combination of up to 16 base modules unit for D series where each module can be connected to form a much larger system.

Base Module	A5MAC 230D	A5MAC 340D	A5MAC 450D	A5MAC 450D2	A5MAC 1000D
Modular Chiller D Series	A5MAC 460D	A5MAC 680D	A5MAC 900D	A5MAC 900D2	A5MAC 2000D
	A5MAC 690D	A5MAC 1020D	A5MAC 1350D	A5MAC 1350D2	A5MAC 3000D
	A5MAC 920D	A5MAC 1360D	A5MAC 1800D	A5MAC 1800D2	A5MAC 4000D
	A5MAC 1150D	A5MAC 1700D	A5MAC 2250D	A5MAC 2250D2	A5MAC 5000D
	A5MAC 1380D	A5MAC 2040D	A5MAC 2700D	A5MAC 2700D2	A5MAC 6000D

INTELLIGENT CONTROL SYSTEM WITH SAFETY PROTECTION

An user friendly intelligent control system is built into the modular chiller. Microchip and large-scaled LCD display are employed to make the control swift and easy. The modular chiller is equipped with a series of safety control including the high/low pressure switch to ensure safe operation .

	AMAC230D	AMAC340D	AMAC450D	AMAC450D2	AMAC1000D
Intelligent Control System	Built in Modbus				

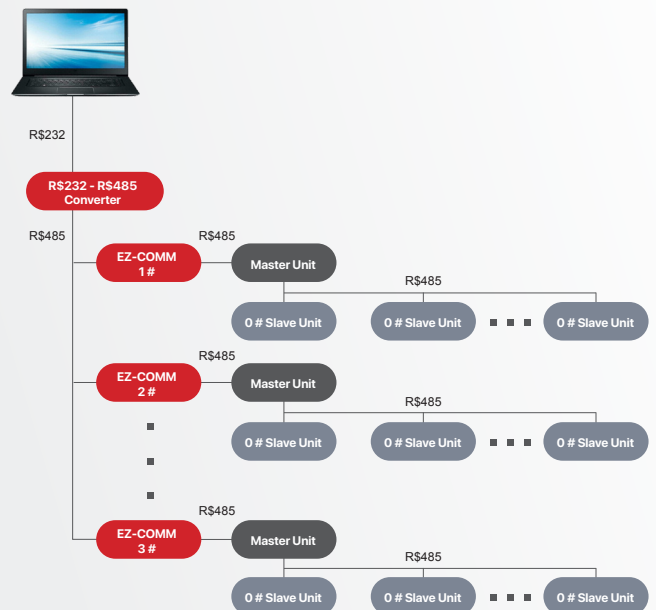
LOW NOISE OPERATION

The specially designed spiral blades ensure smooth air flow, significantly reducing the turbulence and lowering sound level.



EZ-COMM FOR MODBUS COMMUNICATION

The Ez-Comm is a data converter that coordinates Acson modular chiller unit control system and controls inter-system communications based on the ModBus communication protocol. It automatically converts the internal communication protocol of Acson modular chiller unit into the ModBus communication protocol to ensure that the unit is connected to the BAS system that is based on the ModBus RTU communication protocol and uses the RS485 communication mode.



Note:
 A5MAC 340D, A5MAC 450D, A5MAC 450D2, A5MAC1000D
 ModBus is built-in. A5MAC 230D is optional.
 Please consult us for more details.

TECHNICAL SPECIFICATION

A5MAC 230D - A5MAC 1380D (R410A)

Model		A5MAC 230D	A5MAC 460D	A5MAC 690D	A5MAC 920D	A5MAC 1150D	A5MAC 1380D
Nominal Cooling Capacity	BTU/h	225,300	450,500	675,700	900,900	1,126,100	1,351,300
	kW	66	132	198	264	330	396
Nominal Total Input Power	kW	20.3	40.6	60.9	81.2	101.5	121.8
Nominal Running Current	A	38.1	76.2	114.3	152.4	190.5	228.6
Max. Running Current	A	47.7	95.4	143.1	190.8	238.5	286.2
EER	BTU/h/W	11.10					
COP	W/W	3.25					
Power Source	V/Ph/Hz	380 ~ 415 / 3 / 50					
Refrigerant Control		EXV					
Sound Pressure Level	dBA	66	69	71	72	73	74
Nominal Water Flow Rate	m³/h	11.3	22.6	33.9	45.2	56.5	67.8
Nominal Water Pressure Drop Per Unit	kPa	55					
Pipe	Size	mm (in)					
Unit Dimension	Height	mm (in)					
	Width	mm (in)					
	Depth	840 (33)	2,080 (82)	3,320 (131)	4,560 (180)	5,800 (228)	7,040 (277)
Packing Dimension (Individual)	Height	mm (in)					
	Width	mm (in)					
	Depth	mm (in)					
Net Weight	kg (lb)	471 (1,038)	942 (2,077)	1413 (3,115)	1884 (4,154)	2355 (5,192)	2826 (6,230)
Gross Weight	kg (lb)	511 (1,127)	1022 (2,253)	1533 (3,380)	2044 (4,506)	2555 (5,633)	3066 (6,759)
Operating Weight	kg (lb)	480 (1,058)	960 (2,116)	1440 (3,175)	1920 (4,233)	2400 (5,291)	2880 (6,349)
Refrigerant	Type	R410A					
	Charge	kg (lb)	17.0 (38)	34 (75)	51 (112)	68 (150)	85 (187)

Arbitrary combination up to 16 modules

Notes:

- Unit dimension is taken assuming units is stacked front facing the back and with installation clearance
- Nominal cooling capacity are based on the conditions below:

Mode		Cooling
Evaporator	Leaving Water Temperature	7°C
Condenser	Ambient Temperature	35°C DB / 24° C WB
Nominal Flow Rate		0.172 m³/h.kW

- Nominal water flow rate and pressure drop is based on series installation method.
- All specifications are subjected to change by the manufacturer without prior notice.

TECHNICAL SPECIFICATION

A5MAC 340D - A5MAC 2040D (R410A)

Model		A5MAC 340D	A5MAC 680D	A5MAC 1020D	A5MAC 1360D	A5MAC 1700D	A5MAC 2040D
Nominal Cooling Capacity	BTU/h	341,300	682,500	1,023,700	1,364,900	1,706,100	2,047,300
	kW	100	200	300	400	500	600
Nominal Total Input Power	kW	30.5	61.0	91.5	122.0	152.5	183.0
Nominal Running Current	A	54.4	108.8	163.2	217.6	272.0	326.4
Max. Running Current	A	76.2	152.4	228.6	304.8	381.0	457.2
EER	BTU/h/W	11.20					
COP	W/W	3.28					
Power Source	V/Ph/Hz	380~415 / 3 / 50					
Refrigerant Control		EXV					
Sound Pressure Level	dBA	67	70	71.8	73	74	74.8
Nominal Water Flow Rate	m³/h	17.2	34.4	51.6	68.8	86	103.2
Nominal Water Pressure Drop Per Unit	kPa	28					
Pipe	Type	RC (INTERNAL TAPPER)					
	Size	mm (in) 63.5 (2 - 1/2)					
Unit Dimension	Height	mm (in) 2,300 (90)					
	Width	mm (in) 2,100 (83)					
	Depth	1,100 (43)	2,744 (108)	4,388 (173)	6,032 (237)	7,676 (302)	9,320 (367)
Packing Dimension (Individual)	Height	mm (in) 2,430 (96)					
	Width	mm (in) 2,175 (86)					
	Depth	mm (in) 1,150 (45)					
Net Weight	kg (lb)	860 (1,896)	1,720 (3,792)	2,580 (5,688)	3,440 (7,584)	4,300 (9,480)	5,160 (11,376)
Gross Weight	kg (lb)	880 (1,940)	1,760 (3,880)	2,640 (5,820)	3,520 (7,760)	4,400 (9,700)	5,280 (11,640)
Operating Weight	kg (lb)	870 (1,918)	1,740 (3,836)	2,610 (5,754)	3,480 (7,672)	4,350 (9,590)	5,220 (11,508)
Refrigerant	Type	R410A					
	Charge	kg (lb)	26.3 (58)	52.6 (116)	78.9 (174)	105.2 (232)	131.5 (290)

Arbitrary combination up to 16 modules

Notes:

- Unit dimension is taken assuming units is stacked front facing the back and with installation clearance
- Nominal cooling capacity are based on the conditions below:

Mode		Cooling
Evaporator	Leaving Water Temperature	7°C
Condenser	Ambient Temperature	35°C DB / 24° C WB
Nominal Flow Rate		0.172 m³/h.kW

- Nominal water flow rate and pressure drop is based on series installation method.
- All specifications are subjected to change by the manufacturer without prior notice.

TECHNICAL SPECIFICATION

A5MAC 450D - A5MAC 2700D (R410A)

Model		A5MAC 450D	A5MAC 900D	A5MAC 1350D	A5MAC 1800D	A5MAC 2250D	A5MAC 2700D
Nominal Cooling Capacity	BTU/h	460,700	921,300	1,382,000	1,842,600	2,303,200	2,763,900
	kW	135	270	405	540	675	810
Nominal Total Input Power	kW	40.3	80.6	120.9	161.2	201.5	241.8
Nominal Running Current	A	76.1	152.2	228.3	304.4	380.5	456.6
Max. Running Current	A	103.1	206.2	309.3	412.4	515.5	618.6
EER	BTU/h/W	11.40					
COP	W/W	3.35					
Power Source	V/Ph/Hz	380~415 / 3 / 50					
Refrigerant Control		EXV					
Sound Pressure Level	dBA	69	72	73.8	75	76	76.8
Nominal Water Flow Rate	m³/h	23.2	46.4	69.6	92.8	116	139.2
Nominal Water Pressure Drop Per Unit	kPa	48					
Pipe	Type	RC (INTERNAL TAPPER)					
	Size	mm (in) 63.5 (2 - 1/2)					
Unit Dimension	Height	mm (in) 2,300 (90)					
	Width	mm (in) 2,100 (83)					
	Depth	1,100 (43)	2,744 (108)	4,388 (173)	6,032 (237)	7,676 (302)	9,320 (367)
Packing Dimension (Individual)	Height	mm (in) 2,430 (96)					
	Width	mm (in) 2,175 (86)					
	Depth	mm (in) 1,150 (45)					
Net Weight	kg (lb)	940 (2,072)	1,880 (4,144)	2,820 (6,216)	3,760 (8,288)	4,700 (10,360)	5,640 (12,432)
Gross Weight	kg (lb)	960 (2,116)	1,920 (4,232)	2,880 (6,348)	3,840 (8,464)	4,800 (10,580)	5,760 (12,696)
Operating Weight	kg (lb)	950 (2,094)	1,900 (4,188)	2,850 (6,282)	3,800 (8,376)	4,750 (10,470)	5,700 (12,564)
Refrigerant	Type	R410A					
	Charge	kg (lb)	30.6 (67)	61.2 (135)	91.8(203)	122.4 (270)	153 (337)

Arbitrary combination up to 16 modules

Notes:

- Unit dimension is taken assuming units is stacked front facing the back and with installation clearance
- Nominal cooling capacity are based on the conditions below:

Mode		Cooling
Evaporator	Leaving Water Temperature	7°C
Condenser	Ambient Temperature	35°C DB / 24° C WB
Nominal Flow Rate		0.172 m³/h.kW

- Nominal water flow rate and pressure drop is based on series installation method.
- All specifications are subjected to change by the manufacturer without prior notice.

TECHNICAL SPECIFICATION

A5MAC 450D2 - A5MAC 2700D2 (R410A)

Model		A5MAC 450D2	A5MAC 900D2	A5MAC 1350D2	A5MAC 1800D2	A5MAC 2250D2	A5MAC 2700D2
Nominal Cooling Capacity	BTU/h	443,500	887,100	1,330,700	1,774,300	2,217,800	2,661,000
	kW	130	260	390	520	650	780
Nominal Total Input Power	kW	42.5	85	127.5	170	212.5	255
Nominal Running Current	A	76	152	228	304	380	456
Max. Running Current	A	100.0	200.0	300.0	400.0	500.0	600.0
EER	BTU/h/W	10					
COP	W/W	3.06					
Power Source	V/Ph/Hz	380-415V/3N~/50Hz					
Refrigerant Control		EXV					
Sound Pressure Level	dB(A)	71	74	75.8	77	78	78.8
Nominal Water Flow Rate	m³/h	22.4	44.8	67.2	89.6	112	134.4
Nominal Water Pressure Drop Per Unit	kPa	36					
Pipe	Type	RC (INTERNAL TAPPER)					
	Size	mm (in) 63.5 (2 - 1/2)					
Unit Dimension	Height	mm (in) 2,300 (90)					
	Width	mm (in) 2,100 (83)					
	Depth	1,100 (43)	2,744 (108)	4,388 (173)	6,032 (237)	7,676 (302)	9320 (367)
Packing Dimension	Height	mm (in) 2,430 (96)					
	Width	mm (in) 2,175 (83)					
	Depth	mm (in) 1,150 (45)					
Net Weight	kg (lb)	865 (1,907)	1,730 (3,814)	2,595 (5,721)	3,460 (7,628)	4,325 (9,535)	5,190 (11,442)
Gross Weight	kg (lb)	875 (1,929)	1,750 (3,858)	2,625 (5,787)	3,500 (7,716)	4,375 (9,645)	5,250 (11,574)
Operating Weight	kg (lb)	875 (1,929)	1,750 (3,858)	2,625 (5,787)	3,500 (7,716)	4,375 (9,645)	5,250 (11,574)
Refrigerant	Type	R410A					
	Charge	kg (lb)	23.6 (52)	47.2 (104)	70.8 (156)	94.4 (208)	118 (260)

Arbitrary combination up to 16 modules

Notes:

- Unit dimension is taken assuming units is stacked front facing the back and with installation clearance
- Nominal cooling capacity are based on the conditions below:

Mode		Cooling
Evaporator	Leaving Water Temperature	7°C
Condenser	Ambient Temperature	35°C DB / 24° C WB
Nominal Flow Rate		0.172 m³/h.kW

- Nominal water flow rate and pressure drop is based on series installation method.
- All specifications are subjected to change by the manufacturer without prior notice.

TECHNICAL SPECIFICATION

A5MAC 1000D - 6000D (R410A)

Model		A5MAC 1000D	A5MAC 2000D	A5MAC 3000D	A5MAC 4000D	A5MAC 5000D	A5MAC 6000D
Nominal Cooling Capacity	BTU/h	1,006,600	2,013,200	3,019,800	4,026,400	5,033,000	6,039,500
	kW	295	590	885	1180	1475	1770
Nominal Total Input Power	kW	92.2	184.4	276.6	368.8	461	553.2
Nominal Running Current	A	168.5	337	505.5	674	842.5	1011
Max. Running Current	A	208.5	417.0	625.5	834.0	1042.5	1251.0
EER	BTU/h/W	10.9					
	W/W	3.20					
Power Source	V/Ph/Hz	380~415 / 3 / 50					
Refrigerant Control		EXV					
Sound Pressure Level	dB(A)	75	78	79.8	81	82	82.8
Nominal Water Flow Rate	m³/h	50.7	101.4	152.1	202.8	253.5	304.2
Nominal Water Pressure Drop Per Unit	kPa	40					
Pipe	Type	Clamp Type					
	Size	mm(in) 76.2 (3)					
Unit Dimension	Height	mm(in) 2360 (93)					
	Width	mm(in) 2200 (87)					
	Depth	2,230 (88)	5,460 (215)	8,690 (342)	11,920 (469)	15,150 (596)	18,380 (724)
Packing Dimension (Individual)	Height	mm(in) 2,490 (98)					
	Width	mm(in) 2,250 (93)					
	Depth	mm(in) 2,250 (93)					
Net Weight	kg (lb)	1,730 (3,814)	3,460 (7,628)	5,190 (11,442)	6,920 (15,256)	8,650 (19,070)	10,380 (22,884)
Gross Weight	kg (lb)	1,800 (3,968)	3,600 (7,937)	5,400 (11,905)	7,200 (15,873)	9,000 (19,842)	10,800 (23,810)
Operating Weight	kg (lb)	1,760 (3,880)	3,520 (7,760)	5,280 (11,640)	7,040 (15,521)	8,800 (19,401)	10,560 (23,281)
Refrigerant	Type	R410A					
	Charge	kg (lb)	58 (127.9)	116 (256)	174 (384)	232 (511)	290 (639)

Arbitrary combination up to 16 modules

Notes:

- Unit dimension is taken assuming units is stacked front facing the back and with installation clearance.
- Nominal cooling capacity are based on the conditions below:

Mode		Cooling
Evaporator	Leaving Water Temperature	7°C
Condenser	Ambient Temperature	35°C DB / 24°C WB
Nominal Flow Rate		0.172 m³/h.kW

- Nominal water flow rate and pressure drop is based on series installation method.
- All specifications are subjected to change by the manufacturer without prior notice.
- Sound pressure level is measured based on distance from chiller to receiver = 1.0m.

WATER COOLED MODULAR CHILLED Series



Model		A5MWC 020BR-320BR	A5MWC 030BR-480BR	A5MWC 040BR-640BR	A5MWC 060BR-960BR
Cooling Capacity	kW	69 - 1104	101 - 1616 110 - 1760 (High EER Model)	140 - 2240 145 - 2320 (High EER Model)	215 - 3440
Refrigerant		R410A			

FEATURE | WATER COOLED MODULAR CHILLED SERIES

MODULAR DESIGN

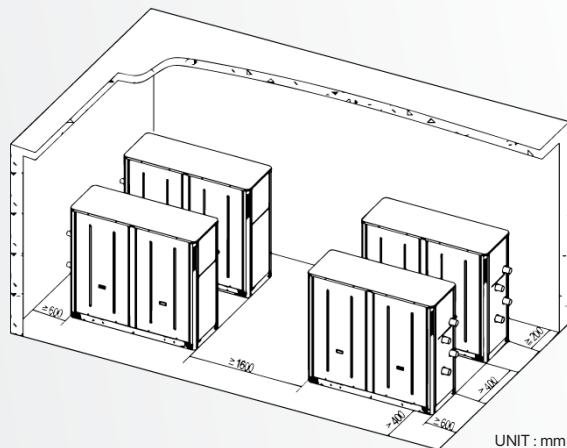
The modular chiller allows for combination of up to 16 base modules unit where each module can be connected to form a much larger system.

Base Module	A5MWC 20BR	A5MWC 30BR	A5MWC 40BR	A5MWC 60BR
Modular Chiller B Series	A5MWC 40BR	A5MWC 60BR	A5MWC 80BR	A5MWC 120BR
	A5MWC 60BR	A5MWC 90BR	A5MWC 120BR	A5MWC 180BR
	A5MWC 80BR	A5MWC 120BR	A5MWC 160BR	A5MWC 240BR
	A5MWC 100BR	A5MWC 150BR	A5MWC 200BR	A5MWC 300BR
	A5MWC 120BR	A5MWC 180BR	A5MWC 240BR	A5MWC 360BR

*Arbitrary combination up to 16 modules

CHANGE WHENEVER NEED

It is unnecessary to fix the central air-conditioning equipment for one time to be certain combination. Instead, other modules and corresponding equipment can be added as required by the growth of the occupants. It helps to save the initial investment and the operation cost.



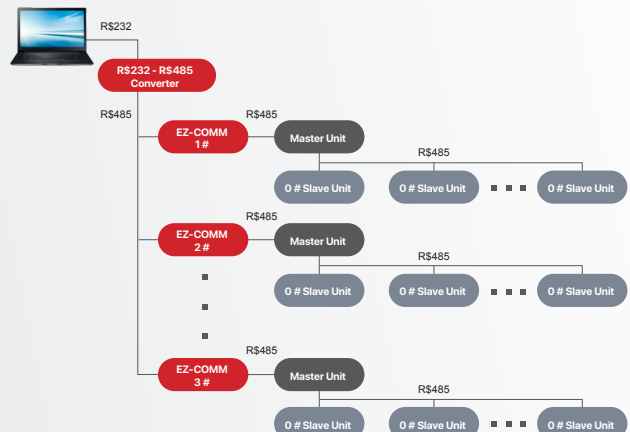
RELIABLE OPERATION

The fault of any compressor or the maintenance and care of any unit will not affect the normal operation of other units.



EZ-COMM FOR MODBUS COMMUNICATION

The Ez-Comm is a data converter that coordinates Acson modular chiller unit control system and controls inter-system communications based on the ModBus communication protocol. It automatically converts the internal communication protocol of Acson modular chiller unit into the ModBus communication protocol to ensure that the unit is connected to the BAS system that is based on the ModBus RTU communication protocol and uses the RS485 communication mode.



TECHNICAL SPECIFICATION

A5MWC 20BR - A5MWC 120BR

Model		A5MWC 20BR	A5MWC 40BR	A5MWC 60BR	A5MWC 80BR	A5MWC 100BR	A5MWC 120BR	
Nominal Cooling Capacity	BTU/h	235,400	470,800	706,200	941,600	1,177,000	1,412,400	
	kW	69.00	138.00	207.00	276.00	345.00	414.00	
Nominal Total Input Power	kW	15.50	31.00	46.50	62.00	77.50	93.00	
Nominal Running Current	A	29.3	58.6	87.9	117.2	146.5	175.8	
Max. Running Current	A	49.6	99.2	148.8	198.4	248	297.6	
EER	BTU/h/W	15.19						
	W/W	4.45						
Power Source	V/Ph/Hz	380 - 415 / 3 / 50						
Refrigerant Control		EXV						
Sound Pressure Level	dB(A)	63.5	66.5	68.3	69.5	70.5	71.3	
Nominal Water Flow Rate	Evaporator	m ³ /h	11.9	23.8	35.7	47.6	59.5	71.4
	Condenser	m ³ /h	14.8	29.6	44.4	59.2	74	88.8
Nominal Water Pressure Drop Per Unit	Evaporator	kPa	36					
	Condenser	kPa	56					
Pipe	Type	R (EXTERNAL TAPER)						
	Size	mm (in)	50.8 (2)					
Unit Dimension	Height	mm (in)	1,600 (63)					
	Width	mm (in)	1,800 (71)					
	Depth	mm (in)	650 (26)	1,750 (69)	2,850 (112)	3,950 (156)	5,050 (199)	6,150 (242)
Packing Dimension (Individual)	Height	mm (in)	1,750 (69)					
	Width	mm (in)	1,915 (75)					
	Depth	mm (in)	715 (28)					
Net Weight	kg (lb)	490 (1,080)	980 (2,161)	1,470 (3,241)	1,960 (4,321)	2,450 (5,401)	2,940 (6,482)	
Gross Weight	kg (lb)	510 (1,124)	1,020 (2,249)	1,530 (3,373)	2,040 (4,497)	2,550 (5,622)	3,060 (6,746)	
Operating Weight	kg (lb)	539 (1,078)	1,078 (2,377)	1,617 (3,565)	2,156 (4,753)	2,695 (5,941)	3,234 (7,130)	
Refrigerant	Type	R410A						
	Charge	kg (lb)	5.8 (13)	11.6 (26)	17.4 (38)	23.2 (51)	29 (64)	34.8 (77)

Arbitrary combination up to 16 modules

Notes:

- Unit dimension is taken assuming units is stacked front facing the back and with installation clearance
- Nominal cooling capacity are based on the conditions below:

Criteria		Cooling
Evaporator	Leaving Water Temperature	7°C
	Nominal Flow Rate	0.172 m ³ /h.kW
Condenser	Entering Water Temperature	30°C
	Nominal Flow Rate	0.215 m ³ /h.kW

- Nominal water flow rate and pressure drop is based on series installation method.
- All specifications are subjected to change by the manufacturer without prior notice.

TECHNICAL SPECIFICATION

A5MWC 30BR - A5MWC 180BR (FBAE-standard efficiency)

Model		A5MWC 30BR	A5MWC 60BR	A5MWC 90BR	A5MWC 120BR	A5MWC 150BR	A5MWC 180BR	
Nominal Cooling Capacity	BTU/h	344,600	689,200	1,033,800	1,378,400	1,723,000	2,067,600	
	kW	101.00	202.00	303.00	404.00	505.00	606.00	
Nominal Total Input Power	kW	23.70	47.40	71.10	94.80	118.50	142.20	
Nominal Running Current	A	44	88	132	176	220	264	
Max. Running Current	A	72.9	145.8	218.7	291.6	364.5	437.4	
EER	BTU/h/W	14.54						
	W/W	4.26						
Power Source	V/Ph/Hz	380 - 415 / 3 / 50						
Refrigerant Control		EXV						
Sound Pressure Level	dBA	62	65	66.8	68	69	69.8	
Nominal Water Flow Rate	Evaporator	m ³ /h	17.4	34.8	52.2	69.6	87	104.4
	Condenser	m ³ /h	21.7	43.4	65.1	86.8	108.5	130.2
Nominal Water Pressure Drop Per Unit	Evaporator	kPa	28					
	Condenser	kPa	47					
Pipe	Type	R (EXTERNAL TAPER)						
	Size	mm (in)	50.8 (2)					
Unit Dimension	Height	mm (in)	1,600 (63)					
	Width	mm (in)	1,800 (71)					
	Depth	mm (in)	650 (26)	1,750 (69)	2,850 (112)	3,950 (156)	5,050 (199)	6,150 (242)
Packing Dimension (Individual)	Height	mm (in)	1,750 (69)					
	Width	mm (in)	1,915 (75)					
	Depth	mm (in)	715 (28)					
Net Weight	kg (lb)	630 (1,389)	1,260 (2,778)	1,890 (4,167)	2,520 (5,556)	3,150 (6,945)	3,780 (8,333)	
Gross Weight	kg (lb)	650 (1,433)	1,300 (2,866)	1,950 (4,299)	2,600 (5,732)	3,250 (7,165)	3,900 (8,598)	
Operating Weight	kg (lb)	693 (1,528)	1,386 (3,056)	2,079 (4,583)	2,772 (6,111)	3,465 (7,639)	4,158 (9,167)	
Refrigerant	Type	R410A						
	Charge	kg (lb)	8.7 (19)	17.4 (38)	26.1 (58)	34.8 (77)	43.5 (96)	52.2 (115)

Arbitrary combination up to 16 modules

Notes:

- Unit dimension is taken assuming units is stacked front facing the back and with installation clearance
- Nominal cooling capacity are based on the conditions below:

Criteria		Cooling
Evaporator	Leaving Water Temperature	7°C
	Nominal Flow Rate	0.172 m ³ /h.kW
Condenser	Entering Water Temperature	30°C
	Nominal Flow Rate	0.215 m ³ /h.kW

- Nominal water flow rate and pressure drop is based on series installation method.
- All specifications are subjected to change by the manufacturer without prior notice.

TECHNICAL SPECIFICATION

A5MWC 40BR - A5MWC 240BR (FBAE-Standard Efficiency)

Model		A5MWC 40BR	A5MWC 80BR	A5MWC 120BR	A5MWC 160BR	A5MWC 200BR	A5MWC 240BR	
Nominal Cooling Capacity	BTU/h	477,700	955,400	1,433,100	1,910,800	2,388,500	2,866,200	
	kW	140.00	280.00	420.00	560.00	700.00	840.00	
Nominal Total Input Power	kW	31.50	63.00	94.50	126.00	157.50	189.00	
Nominal Running Current	A	59.7	119.4	179.1	238.8	298.5	358.2	
Max. Running Current	A	93.5	187.0	280.5	374.0	467.5	561.0	
EER	BTU/h/W	15.17						
	W/W	4.44						
Power Source	V/Ph/Hz	380 - 415 / 3 / 50						
Refrigerant Control		EXV						
Sound Pressure Level	dBA	66	69	70.8	72	73	73.8	
Nominal Water Flow Rate	Evaporator	m ³ /h	24.1	48.2	72.3	96.4	120.5	144.6
	Condenser	m ³ /h	30.1	60.2	90.3	120.4	150.5	180.6
Nominal Water Pressure Drop Per Unit	Evaporator	kPa	45					
	Condenser	kPa	68					
Pipe	Type	R (EXTERNAL TAPER)						
	Size	mm (in)	63.5 (2 - 1/2)					
Unit Dimension	Height	mm (in)	1,600 (63)					
	Width	mm (in)	1,800 (71)					
	Depth	mm (in)	650 (26)	1,750 (69)	2,850 (112)	3,950 (156)	5,050 (199)	6,150 (242)
Packing Dimension (Individual)	Height	mm (in)	1,750 (69)					
	Width	mm (in)	1,915 (75)					
	Depth	mm (in)	715 (28)					
Net Weight	kg (lb)	745 (1,642)	1,490 (3,285)	2,235 (4,927)	2,980 (6,570)	3,725 (8,212)	4,470 (9,855)	
Gross Weight	kg (lb)	765 (1,687)	1,530 (3,373)	2,295 (5,060)	3,060 (6,746)	3,825 (8,433)	4,590 (10,119)	
Operating Weight	kg (lb)	820 (1,808)	1,640 (3,616)	2,460 (5,423)	3,280 (7,231)	4,100 (9,039)	4,920 (10,847)	
Refrigerant	Type	R410A						
	Charge	kg (lb)	11.6 (26)	23.2 (51)	34.8 (77)	46.4 (102)	58 (128)	69.6 (153)

Arbitrary combination up to 16 modules

Notes:

- Unit dimension is taken assuming units is stacked front facing the back and with installation clearance
- Nominal cooling capacity are based on the conditions below:

Criteria		Cooling
Evaporator	Leaving Water Temperature	7°C
	Nominal Flow Rate	0.172 m ³ /h.kW
Condenser	Entering Water Temperature	30°C
	Nominal Flow Rate	0.215 m ³ /h.kW

- Nominal water flow rate and pressure drop is based on series installation method.
- All specifications are subjected to change by the manufacturer without prior notice.

TECHNICAL SPECIFICATION

A5MWC 60BR - A5MWC 360BR (FBAE-Standard Efficiency)

Model			A5MWC 60BR	A5MWC 120BR	A5MWC 180BR	A5MWC 240BR	A5MWC 300BR	A5MWC 360BR
Nominal Cooling Capacity	BTU/h		733,600	1,467,200	2,200,800	2,934,400	3,668,000	4,401,600
	kW		215.00	430.00	645.00	860.00	1075.00	1290.00
Nominal Total Input Power	kW		44.50	89.00	133.50	178.00	222.50	267.00
Nominal Running Current	A		84.1	168.2	252.3	336.4	420.5	504.6
Max. Running Current	A		151.7	303.4	455.1	606.8	758.5	910.2
EER	BTU/h/W		16.47					
	W/W		4.83					
Power Source	V/Ph/Hz		380 - 415 / 3 / 50					
Refrigerant Control			EXV					
Nominal Water Flow Rate	Evaporator	m ³ /h	37.0	74.0	111.0	148.0	185.0	222.0
	Condenser	m ³ /h	46.2	92.4	138.6	184.8	231.0	277.2
Nominal Water Pressure Drop Per Unit	Evaporator	kPa	60					
	Condenser	kPa	39					
Pipe	Type		R (EXTERNAL TAPER)					
	Size	mm (in)	76.2 (3)					
Unit Dimension	Height	mm (in)	1600 (63)					
	Width	mm (in)	1800 (71)					
	Depth	mm (in)	740 (29)	1,840 (72)	2,940 (116)	4,040 (159)	5,140 (202)	6,240 (246)
Packing Dimension (Individual)	Height	mm (in)	1750 (69)					
	Width	mm (in)	1935 (76)					
	Depth	mm (in)	780 (31)					
Net Weight	kg (lb)	950 (2094)	1900 (4189)	2850 (6283)	3800 (8378)	4750 (10472)	5700 (12566)	
Gross Weight	kg (lb)	975 (2150)	1950 (4299)	2925 (6449)	3900 (8598)	4875 (10748)	5850 (12897)	
Operating Weight	kg (lb)	1055 (2326)	2110 (4652)	3165 (6978)	4220 (9304)	5275 (11630)	6330 (13889)	
Refrigerant	Type		R410A					
	Charge	kg (lb)	17.4 (38.4)	34.8 (76.7)	52.5 (115.1)	69.6 (153.4)	87 (191.8)	104.4 (230.2)

Arbitrary combination up to 16 modules

Notes:

- Unit dimension is taken assuming units is stacked front facing the back and with installation clearance
- Nominal cooling capacity are based on the conditions below:

Criteria		Cooling
Evaporator	Leaving Water Temperature	7°C
	Nominal Flow Rate	0.172 m ³ /h.kW
Condenser	Entering Water Temperature	30°C
	Nominal Flow Rate	0.215 m ³ /h.kW

- Nominal water flow rate and pressure drop is based on series installation method.
- All specifications are subjected to change by the manufacturer without prior notice.

TECHNICAL SPECIFICATION

A5MWC 30BR - A5MWC 180BR (FAAE-High Efficiency)

Model		A5MWC 30BR	A5MWC 60BR	A5MWC 90BR	A5MWC 120BR	A5MWC 150BR	A5MWC 180BR	
Nominal Cooling Capacity	BTU/h	375,300	750,600	1,125,900	1,501,200	1,876,500	2,251,800	
	kW	110.00	220.00	330.00	440.00	550.00	660.00	
Nominal Total Input Power	kW	23.90	47.80	71.70	95.60	119.50	143.40	
Nominal Running Current	A	43.5	87	130.5	174	217.5	261	
Max. Running Current	A	74.0	148.0	222.0	296.0	370.0	444.0	
EER	BTU/h/W	15.7						
	W/W	4.60						
Power Source	V/Ph/Hz	380-415 / 3 / 50						
Refrigerant Control		EXV						
Sound Pressure Level	dBA	62	65	66.8	68	69	69.8	
Nominal Water Flow Rate	Evaporator	m ³ /h	18.9	37.8	56.7	75.6	94.5	113.4
	Condenser	m ³ /h	23.7	47.4	71.1	94.8	118.5	142.2
Nominal Water Pressure Drop Per Unit	Evaporator	kPa	41					
	Condenser	kPa	68					
Pipe	Type	R (EXTERNAL TAPER)						
	Size	mm (in)	63.5 (2 - 1/2)					
Unit Dimension	Height	mm (in)	1,600 (63)					
	Width	mm (in)	1,800 (71)					
	Depth	mm (in)	650 (26)	1,750 (69)	2,850 (112)	3,950 (156)	5,050 (199)	6,150 (242)
Packing Dimension (Individual)	Height	mm (in)	1,750 (69)					
	Width	mm (in)	1,915 (75)					
	Depth	mm (in)	715 (28)					
Net Weight	kg (lb)	655 (1,444)	1,310 (2,888)	1,965 (4,332)	2,620 (5,776)	3,275 (7,220)	3,930 (8,664)	
Gross Weight	kg (lb)	670 (1,477)	1,340 (2,954)	2,010 (4,431)	2,680 (5,908)	3,350 (7,385)	4,020 (8,863)	
Operating Weight	kg (lb)	720 (1,587)	1,440 (3,175)	2,160 (4,762)	2,880 (6,349)	3,600 (7,937)	4,320 (9,524)	
Refrigerant	Type	R410A						
	Charge	kg (lb)	10.2 (22)	20.4 (45)	30.6 (67)	40.8 (90)	51.0 (112)	61.2 (135)

Arbitrary combination up to 16 modules

Notes:

- Unit dimension is taken assuming units is stacked front facing the back and with installation clearance
- Nominal cooling capacity are based on the conditions below:

Criteria		Cooling
Evaporator	Leaving Water Temperature	7°C
	Nominal Flow Rate	0.172 m ³ /h.kW
Condenser	Entering Water Temperature	30°C
	Nominal Flow Rate	0.215 m ³ /h.kW

- Nominal water flow rate and pressure drop is based on series installation method.
- All specifications are subjected to change by the manufacturer without prior notice.

TECHNICAL SPECIFICATION

A5MWC 40BR - A5MWC 240BR (FAAE-High Efficiency)

Model		A5MWC 40BR	A5MWC 80BR	A5MWC 120BR	A5MWC 160BR	A5MWC 200BR	A5MWC 240BR	
Nominal Cooling Capacity	BTU/h	494,700	989,400	1,484,100	1,978,800	2,473,500	2,968,200	
	kW	145.00	290.00	435.00	580.00	725.00	870.00	
Nominal Total Input Power	kW	31.10	62.20	93.30	124.40	155.50	186.60	
Nominal Running Current	A	56.7	113.4	170.1	226.8	283.5	340.2	
Max. Running Current	A	95.0	190.0	285.0	380.0	475.0	570.0	
EER	BTU/h/W	15.91						
	W/W	4.66						
Power Source	V/Ph/Hz	380-415 / 3 / 50						
Refrigerant Control		EXV						
Sound Pressure Level	dBA	66	69	70.8	72	73	73.8	
Nominal Water Flow Rate	Evaporator	m ³ /h	24.9	49.8	74.7	99.6	199.2	398.4
	Condenser	m ³ /h	31.2	62.4	93.6	124.8	249.6	499.2
Nominal Water Pressure Drop Per Unit	Evaporator	kPa	48					
	Condenser	kPa	45					
Pipe	Type	R (EXTERNAL TAPER)						
	Size	mm (in)	63.5 (2 - 1/2)					
Unit Dimension	Height	mm (in)	1,600 (63)					
	Width	mm (in)	1,800 (71)					
	Depth	mm (in)	650 (26)	1,750 (69)	2,850 (112)	3,950 (156)	5,050 (199)	6,150 (242)
Packing Dimension (Individual)	Height	mm (in)	1,750 (69)					
	Width	mm (in)	1,915 (75)					
	Depth	mm (in)	715 (28)					
Net Weight	kg (lb)	804 (1,773)	1,608 (3,545)	2,412 (5,318)	3,216 (7,090)	4,020 (8,863)	4,824 (10,635)	
Gross Weight	kg (lb)	820 (1,808)	1,640 (3,616)	2,460 (5,423)	3,280 (7,231)	4,100 (9,039)	4,920 (10,847)	
Operating Weight	kg (lb)	885 (1,951)	1,770 (3,902)	2,655 (5,853)	3,540 (7,804)	4,425 (9,755)	5,310 (11,707)	
Refrigerant	Type	R410A						
	Charge	kg (lb)	14 (31)	28 (62)	42 (93)	56 (123)	70 (154)	84 (185)

Arbitrary combination up to 16 modules



Notes:

- Unit dimension is taken assuming units is stacked front facing the back and with installation clearance
- Nominal cooling capacity are based on the conditions below:

Criteria		Cooling
Evaporator	Leaving Water Temperature	7°C
	Nominal Flow Rate	0.172 m ³ /h.kW
Condenser	Entering Water Temperature	30°C
	Nominal Flow Rate	0.215 m ³ /h.kW

- Nominal water flow rate and pressure drop is based on series installation method.
- All specifications are subjected to change by the manufacturer without prior notice.

Air Cooled Mini Chiller Series

Model						
		A5ACY040ER2	A5ACY050-090ER2	A5ACY100ER2	A5ACY120ER2	A5ACY150ER2
Cooling capacity	kW	11.20	14.00-24.00	28.00	33.00	40.00

*Picture is for illustration purpose only.

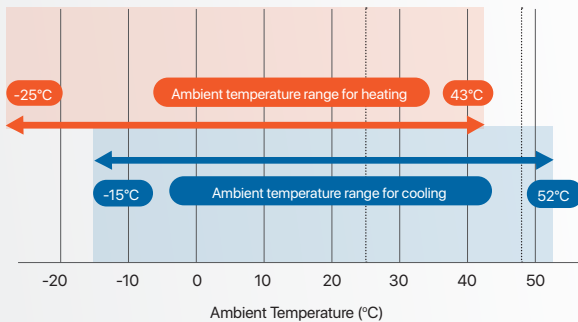
FEATURE | AIR COOLED MINI CHILLER D SERIES

ALL IN ONE UNIT

The mini chiller is fully integrated and equipped with key hydronic components such as expansion tank, water tank, brazed plate heat exchanger and water circulating pump. The all in one concept will ease the job of installation.

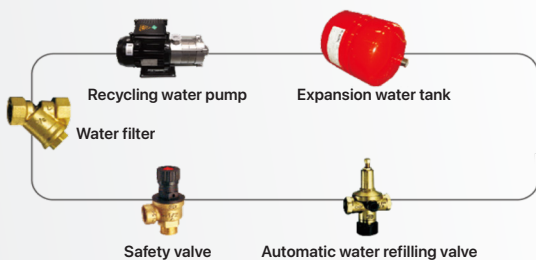
WIDE OPERATING RANGE

The unit operates normally in the temperature range of -15 to 52oC for cooling and -25 - 43oC for heating operating.



INTEGRATED DESIGN

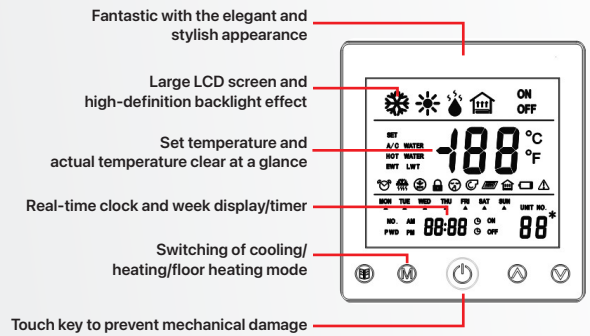
The whole system is provide with a complete set of accessories Installation can be easily completed by connecting the water pipe to the terminal.



Accessory of the water system	Standard Built-In	Recycling pump, expansion tank
	Supplied accessories	water filter, automatic water refilling valve, safety valve, communication cable, drain joint and PE gasket

POWER IS NOTHING WITHOUT CONTROL

An user friendly and versatile wired controller is equipped with every mini chiller

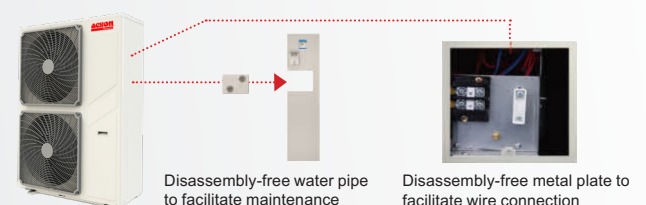


PROTECTION

- Anti-Freeze Heater
The BPHE (Brazed Plate Heat Exchanger) has a strip heater around it to prevent from water freezing
- Anti-Freeze Sensor
Signal is sent from the anti-freeze sensor to cut out the compressor if the water temperature becomes too low to prevent BPHE from freezing.

UNIQUE DISASSEMBLY-FREE DESIGN

The metal plate of the unit and metal plate at the water pipe are separated from each other and hence, the user does not require to remove the water pipe during maintenance. Users need not remove the metal plate during the wire connection process as well.



TECHNICAL SPECIFICATION

A5ACY040ER2-A5ACY070ER2 (A5MAC-ER2) R410A Inverter Series

Model		A5ACY040ER2	A5ACY050ER2	A5ACY060ER2	A5ACY070ER2	
Nominal Cooling Capacity	BTU/hr	38,200	47,700	54,500	68,200	
	kW	11.2	14.0	16.0	20.0	
Rated Power Input (Cooling)	kW	3.81	4.24	5.15	6.72	
Rated Running Current (Cooling)	A	17.40	19.30	23.80	11.10	
Max. Running Current	A	24.5	39.8		25.0	
EER	BTU/hr/W	10.03	11.25	10.58	10.15	
COP	W/W	2.94	3.30	3.11	2.98	
Power Source		220 - 240 / 1 / 50			380 - 415 / 3 / 50	
Refrigerant Control		EXV				
Sound Pressure Level	dB(A)	50	51	52	55	
Nominal Water Flow Rate	m ³ /h	1.92	2.40	2.74	3.43	
Nominal Water Pressure Drop	kPa	14	15	20	24	
External Pump Head	m	8	15	14	25	
Water Pipe Size	Inlet	in.	Rp1		Rp1-1/4	
	Outlet	in.	Rc1			
Max Chilled Water Difference		°C				
Unit Dimensions	Length	mm	995			
	Width	mm	395			
	Height	mm	880	1362		
Packing Dimensions	Length	mm	1086			
	Width	mm	512			
	Height	mm	1043	1525		
Refrigerant	Type	R410A				
	Charge	kg	2.7	3.1	3.1	3.3
Net Weight		kg	99	144	144	159

Notes:

- Nominal cooling condition are based on the conditions : leaving water temperature is 7°C, water flow is 0.172m³/h-kW, ambient temperature is 35°C.
- Units have built in water pump and expansion tank. However, strainer, safety valve, water filling valve and wired controller need to be install on site.
- All specifications are subjected to change by the manufacturer without prior notice.

TECHNICAL SPECIFICATION

A5ACY090ER2-A5ACY150ER2 (A5MAC-ER2) R410A Inverter Series

Model		A5ACY090ER2	A5ACY100ER2	A5ACY120ER2	A5ACY150ER2	
Nominal Cooling Capacity	BTU/hr	81,800	95,500	112,600	136,400	
	kW	24.0	28.0	33.0	40.0	
Rated Power Input (Cooling)	kW	8.65	8.97	10.98	14.40	
Rated Running Current (Cooling)	A	14.40	15.50	18.30	23.90	
Max. Running Current	A	25.0	29.0		40.0	
EER	BTU/hr/W	9.46	10.65	10.26	9.47	
COP	W/W	2.78	3.12	3.01	2.78	
Power Source	380 - 415 / 3 / 50					
Refrigerant Control	EXV					
Sound Pressure Level	dB(A)	56	57	59	60	
Nominal Water Flow Rate	m ³ /h	4.11	4.80	5.66	6.86	
Nominal Water Pressure Drop	kPa	35	49	42	67	
External Pump Head	m	22	15	16	15	
Water Pipe Size	Inlet	in.	Rp1-1/4	G1-1/4	G1-1/2	
	Outlet	in.	Rc1	G1-1/4	G1-1/2	
Max Chilled Water Difference	°C	7°C				
Unit Dimensions	Length	mm	995	950	1340	
	Width	mm	395	780		1130
	Height	mm	1362	1650		2130
Packing Dimensions	Length	mm	1086	1000		1170
	Width	mm	512	850		1180
	Height	mm	1525	1830		2260
Refrigerant	Type	R410A				
	Charge	kg	3.6	7.2	8.0	9.0
Net Weight	kg	160	220	290	360	

Notes:

- Nominal cooling condition are based on the conditions : leaving water temperature is 7°C, water flow is 0.172m³/h-kW, ambient temperature is 35°C.
- Units have built in water pump and expansion tank. However, strainer, safety valve, water filling valve and wired controller need to be install on site.
- All specifications are subjected to change by the manufacturer without prior notice.

CHILLED WATER FAN COIL

Line-up



A wide range of fan coil units ranging from residential use to industrial application is available for different needs. Each model comes with their own unique features and advantages.

The available chilled water fan coil units are:

- Wall Mounted JW
- Ceiling Cassette CW/ EW Series
- Ducted Blower BW Series
- Ducted Blower FW Series
- Ceiling Concealed CW Series
- Ceiling Concealed GW Series
- Double Skin Ceiling Concealed CW Series

POWER IS NOTHING WITHOUT CONTROL

SLM9

The Chilled Water Fan Coil Unit is supplied with SLM9 micro computer thermostat as standard wired controller. This wired controller comes with a LCD screen with every information of the unit easily visible. It is adapted to fan coil and electromechanical valve's control.

*Applicable for certain model



1. SWING Button

Swing at your command or fix the louver at your preferred position.

2. MODE Button

Different Mode for different ambient - Cool, Dry, and Fan.

3. DELAY TIMER Button

Delay the "OFF" timer function by maximum of 2 hour.

4. FAN Button

Control your airflow to Low, Mid, High or Auto to let your unit do the thinking.

5. TIMER Button

Turn on or off the unit automatically with its built in timer. Maximum of 2 ON and 2 OFF timers.

6. LCD Display

Every information on the unit vividly display in LCD screen.

7. TEMPERATURE Button

Set the temperature according to your preferences.

8. SLEEP Button

The sleep mode gradually increase the room temperature to ensure a comfortable and mellow sleeping environment.

9. ON/OFF POWER Button

The Power Button turn the unit ON or OFF.

10. Real Time Clock (RTC)

Set the real time clock.

TECHNICAL SPECIFICATION

AWM07JW - AWM 25JW Wall Mounted



Model		AWM07JW	AWM10JW	AWM 15JW	AWM 20JW	AWM 25JW	
Nominal Cooling Capacity	BTU/h	8,300	9,200	11,300	15,500	18,000	
	kW	2.43	2.7	3.31	4.54	5.28	
Nominal Total Input Power	kW	0.031	0.032	0.042	0.053	0.072	
Nominal Operating Current	A	0.19	0.2	0.21	0.29	0.34	
Power Source	V/Ph/Hz	220 ~ 240 / 1 / 50					
Control	Air Discharge	AUTOMATIC LOUVER (UP & DOWN)					
	Operation	WIRED (OPTIONAL) OR WIRELESS CONTROLLER					
Air Flow Rate	High	I/s (CFM)	123 (260)	132 (280)	175 (370)	241 (510)	293 (620)
	Medium	I/s (CFM)	109 (230)	118 (250)	151 (320)	212 (450)	245 (520)
	Low	I/s (CFM)	94 (200)	104 (220)	123 (260)	184 (390)	217 (460)
	Quiet	I/s (CFM)	85 (180)	90 (190)	113 (240)	170 (360)	208 (440)
Nominal Water Flow Rate	USGPM	1.85	2.03	2.51	3.43	4.01	
	liters/min	7.00	7.68	9.50	13.00	15.18	
Head Loss (Cooling)	kPa	34	24	31	30	36	
Maximum Working Pressure (Cooling)	kPa	1608					
Surface Air Velocity	m/s	0.68	0.74	0.97	0.83	1.01	
Sound Pressure Level (H/M/L/Q)	dBA	34 / 29 / 25 / 24	35 / 30 / 25 / 24	42 / 39 / 32 / 29	42 / 38 / 34 / 32	46 / 42 / 39 / 37	
Unit Dimension	Height	mm (in)	288 (11)			310 (12)	
	Width	mm (in)	800 (31)			1,065 (42)	
	Depth	mm (in)	206 (8)			224 (9)	
Packing Dimension	Height	mm (in)	344 (14)			386 (15)	
	Width	mm (in)	874 (34)			1,136 (45)	
	Depth	mm (in)	274 (11)			314 (12)	
Unit Weight	kg (lb)	9 (20)			14 (31)		
Condensate Drain Pipe Size	mm (in)	19.05 (3/4)					
Pipe Connection	Type	BSP FEMALE THREAD ADAPTOR					
	Size	mm (in)	12.7 (1/2)				
Filter	Type	WASHABLE SARANET FILTER					
	Quantity	pcs	2				
Casing	Colour	WHITE					

Notes:

1. Nominal cooling capacity are based on the conditions below:

Mode	Cooling
Entering Air Temperature	27°C DB / 19°C WB
Entering Water Temperature	7°C
Leaving Water Temperature	12°C

2. Sound measurement position is 1m in front and 0.8m below the vertical line of the unit.

3. All specifications are subjected to change by the manufacturer without prior notice.

TECHNICAL SPECIFICATION



ACK 10CW - ACK 20CW Ceiling Cassette C Series

Model		ACK 10CW	ACK 15CW	ACK 20CW	
Nominal Cooling Capacity	BTU/h	8,500	14,000	15,500	
	kW	2.49	4.1	4.54	
Nominal Total Input Power	kW	0.063	0.064	0.079	
Nominal Operating Current	A	0.28	0.28	0.35	
Power Source	V/Ph/Hz	220 ~ 240 / 1 / 50			
Control	Air Discharge	AUTOMATIC LOUVER (UP & DOWN)			
	Operation	WIRED (OPTIONAL) OR WIRELESS CONTROLLER			
Air Flow Rate	High	I/s (CFM)	179 (380)	189 (400)	208 (440)
	Medium	I/s (CFM)	137 (290)	146 (310)	156 (330)
	Low	I/s (CFM)	109 (230)	104 (220)	132 (280)
Nominal Water Flow Rate	USGPM	2.03	3.43	3.57	
	liters/min	7.68	12.98	13.51	
Head Loss (Cooling)	kPa	19.3	26.9	28.8	
Maximum Working Pressure (Cooling)	kPa	1608			
Surface Air Velocity	m/s	0.74	0.74	0.82	
Sound Pressure Level (H/M/L)	dBA	42 / 35 / 29	45 / 38 / 30	48 / 40 / 36	
Unit Dimension	Height	mm (in)	250 (9.84)		
	Width	mm (in)	570 (22.44)		
	Depth	mm (in)	570 (22.44)		
Unit Dimension - With Panel	Height	mm (in)	295 (11.61)		
	Width	mm (in)	640 (25.2)		
	Depth	mm(in)	640 (25.2)		
Packing Dimension	Height	mm (in)	316 (12.44)		
	Width	mm (in)	630 (24.8)		
	Depth	mm (in)	630 (24.8)		
Panel Packing Dimension	Height	mm (in)	126 (4.96)		
	Width	mm (in)	700 (27.56)		
	Depth	mm (in)	726 (28.58)		
Unit + Panel Weight	kg (lb)	15 + 3 (33 + 7)	17 + 3 (37 + 7)	17 + 3 (37 + 7)	
Condensate Drain Pipe Size	mm (in)	19.05 (3/4)			
Pipe Connection	Type	BSP FEMALE THREAD ADAPTOR			
	Size	mm (in)	19.05 (3/4)		
Filter	Type	WASHABLE SARANET FILTER			
	Quantity	pcs	1		
Casing	Colour	WHITE			

Notes:

1. Nominal cooling capacity are based on the conditions below:

Mode	Cooling
Entering Air Temperature	27°C DB / 19°C WB
Entering Water Temperature	7°C
Leaving Water Temperature	12°C

2. Sound measurement position is 1.4m below the face center of the air return of the unit.
 3. All specifications are subjected to change by the manufacturer without prior notice.

TECHNICAL SPECIFICATION



ACK 20EW - ACK 50EW Ceiling Cassette E Series

Model			ACK 20EW	ACK 25EW	ACK 30EW	ACK 40EW	ACK 50EW
Nominal Cooling Capacity	BTU/h		21,000	25,000	30,000	38,000	43,000
	kW		6.15	7.33	8.79	11.14	12.6
Nominal Total Input Power	kW		0.095	0.126	0.167	0.186	0.227
Nominal Operating Current	A		0.44	0.55	0.74	0.85	1.03
Power Source	V/Ph/Hz		220 ~ 240 / 1 / 50				
Control	Air Discharge		4 WAY AUTOMATIC LOUVER (UP & DOWN)				
	Operation		WIRED (OPTIONAL) OR WIRELESS CONTROLLER				
Air Flow Rate	High	I/s (CFM)	354 (750)	406 (860)	420 (890)	472 (1,000)	538 (1,140)
	Medium	I/s (CFM)	293 (620)	330 (700)	340 (720)	396 (840)	472 (1,000)
	Low	I/s (CFM)	227 (480)	255 (540)	269 (570)	321 (680)	396 (840)
	Quiet	I/s (CFM)	151 (320)	179 (380)	198 (420)	255 (540)	330 (700)
Nominal Water Flow Rate	USGPM		4.71	5.59	6.69	8.45	9.6
	liters/min		17.83	21.17	25.29	31.94	36.29
Head Loss (Cooling)	kPa		20	37	22	44	53
Maximum Working Pressure (Cooling)	kPa		1608				
Surface Air Velocity	m/s		0.92	1.05	1.13	1.02	1.17
Sound Pressure Level (H/M/L/Q)	dBA		42 / 38 / 32 / 23	46 / 42 / 35 / 27	48 / 43 / 38 / 30	50 / 47 / 43 / 33	52 / 49 / 45 / 39
Unit Dimension	Height	mm (in)	265 (10.43)			300 (11.81)	
	Width	mm (in)	820 (32.28)				
	Depth	mm (in)	820 (32.28)				
Unit Dimension - With Panel	Height	mm (in)	340 (13.39)			375 (14.76)	
	Width	mm (in)	990 (38.98)				
	Depth	mm (in)	990 (38.98)				
Packing Dimension	Height	mm (in)	341 (13.43)			376 (14.80)	
	Width	mm (in)	916 (36.06)				
	Depth	mm (in)	916 (36.06)				
Panel Packing Dimension	Height	mm (in)	125 (4.92)				
	Width	mm (in)	1,020 (40.16)				
	Depth	mm (in)	1,020 (40.16)				
Unit + Panel Weight	kg (lb)		26 + 4 (57 + 9)		28 + 4 (62 + 9)	32 + 4 (71 + 9)	
Condensate Drain Pipe Size	mm (in)		19.05 (3/4)				
Pipe Connection	Type		BSP FEMALE THREAD ADAPTOR				
	Size	mm (in)	19.05 (3/4)				
Filter	Type		WASHABLE SARANET FILTER				
	Quantity	pcs	1				
Casing	Colour		WHITE				

Notes:

1. Nominal cooling capacity are based on the conditions below:

Mode	Cooling
Entering Air Temperature	27°C DB / 19°C WB
Entering Water Temperature	7°C
Leaving Water Temperature	12°C

2. Sound measurement position is 1.4m and up to 1.5m below the face center of the air return of the unit.

3. All specifications are subjected to change by the manufacturer without prior notice.

TECHNICAL SPECIFICATION

ACC 10CW - ACC 60CW Ceiling Concealed - Medium Static



Model		ACC 10CW	ACC 15CW	ACC 20CW	ACC 25CW	ACC 30CW	ACC 40CW	ACC 50CW	ACC 60CW	
Nominal Cooling Capacity (High)	BTU/h	9,900	11,600	18,000	22,500	24,800	37,000	44,700	51,800	
	kW	2.90	3.40	5.28	6.59	7.27	10.84	13.10	15.18	
Nominal Cooling Capacity (Medium)	BTU/h	9,800	11,500	17,600	21,000	23,300	35,800	43,600	50,500	
	kW	2.87	3.37	5.16	6.15	6.83	10.49	12.78	14.80	
Nominal Cooling Capacity (Low)	BTU/h	8,600	10,100	17,000	19,300	22,200	33,900	42,800	47,900	
	kW	2.52	2.96	4.98	5.66	6.51	9.94	12.54	14.04	
Nominal Total Input Power		kW	0.089	0.14	0.168	0.182	0.345	0.442	0.427	0.531
Nominal Operating Current		A	0.4	0.65	0.77	0.86	1.5	1.93	1.86	2.32
Power Source		V/Ph/Hz	220 ~ 240 / 1 / 50							
Control	Air Discharge		HORIZONTAL - DUCTED							
	Operation (Optional)		WIRED (WIRELESS)							
Air Flow Rate	High	l/s (CFM)	142 (300)	241 (510)	330 (700)	345 (730)	392 (830)	585 (1,240)	632 (1,340)	732 (1,550)
	Medium	l/s (CFM)	135 (285)	231 (490)	319 (675)	311 (660)	359 (760)	519 (1,100)	576 (1,220)	661 (1,400)
	Low	l/s (CFM)	123 (260)	189 (400)	302 (640)	274 (580)	335 (710)	481 (1,020)	562 (1,190)	614 (1,300)
External Static Pressure With Filter	Pa		49 / 44 / 36	49 / 42 / 28	49 / 45 / 41	49 / 43 / 30	167 / 128 / 88	128 / 88 / 39	157 / 137 / 108	157 / 137 / 98
	in.wg		0.2 / 0.18 / 0.14	0.2 / 0.17 / 0.11	0.2 / 0.18 / 0.16	0.2 / 0.17 / 0.12	0.67 / 0.51 / 0.35	0.51 / 0.35 / 0.16	0.63 / 0.55 / 0.43	0.63 / 0.55 / 0.39
Nominal Water Flow Rate	USGPM		2.2	2.6	4.05	5.06	5.55	8.28	10.04	11.62
	liters/min		8.33	9.84	15.33	19.15	21.01	31.34	38.0	43.98
Head Loss (Cooling)		kPa	10.5	24	20.1	32.4	14	23	38	51
Maximum Working Pressure (Cooling)		kPa	1,608							
Surface Air Velocity		m/s	1.23	1.68	1.88	1.7	1.41	1.83	1.54	1.52
Sound Pressure Level (H/M/L)		dBA	36 / 35 / 33	40 / 38 / 33	42 / 41 / 40	41 / 40 / 36	46 / 42 / 38	49 / 45 / 41	52 / 50 / 47	53 / 50 / 47
Unit Dimension	Height	mm (in)	267 (11)				384 (15)			
	Width	mm (in)	702 (28)	842 (33)	1,002 (39)	1,137 (45)	917 (36)	1,003 (39)	1,287 (51)	1,487 (59)
	Depth	mm (in)	351 (14)				462 (18)			
Packing Dimension	Height	mm (in)	376 (15)				415 (16)			
	Width	mm (in)	951 (37)	1,091 (43)	1,251 (49)	1,386 (55)	1,126 (44)	1,245 (49)	1,497 (59)	1,701 (67)
	Depth	mm (in)	541 (21)				631 (25)			
Unit Weight		kg (lb)	18 (40)	22 (49)	24 (53)	26 (57)	42 (93)	44 (97)	50 (110)	56 (123)
Condensate Drain Pipe Size		mm (in)	19.05 (3/4)							
Pipe Connection	Type		BSP FEMALE THREAD ADAPTOR							
	Size	mm (in)	19.05 (3/4)							
Filter	Type		WASHABLE SARANET FILTER							
	Quantity	pcs	1							
Casing		Colour	WITHOUT PAINT							

Notes:

1. Nominal cooling capacity are based on the conditions below:

Mode	Cooling
Entering Air Temperature	27°C DB / 19°C WB
Entering Water Temperature	7°C
Leaving Water Temperature	12°C

2. Sound measurement position is 1.5m below the centre of the unit with 2m length duct at the air discharge outlet and air return inlet.
 3. All specifications are subjected to change by the manufacturer without prior notice.

TECHNICAL SPECIFICATION

ACSC 10CW - ACSC 25CW Double Skin Ceiling Concealed



Model		ACSC 10CW	ACSC 15CW	ACSC 20CW	ACSC 25CW	
Nominal Cooling Capacity (High)	BTU/h	9,900	11,600	18,000	22,500	
	kW	2.90	3.40	5.28	6.59	
Nominal Cooling Capacity (Medium)	BTU/h	9,800	11,500	17,600	21,000	
	kW	2.87	3.37	5.16	6.15	
Nominal Cooling Capacity (Low)	BTU/h	8,600	10,100	17,000	19,300	
	kW	2.52	2.96	4.98	5.66	
Nominal Total Input Power	kW	0.089	0.14	0.168	0.182	
Nominal Operating Current	A	0.4	0.65	0.77	0.86	
Power Source	V/Ph/Hz	220 ~ 240 / 1 / 50				
Control	Air Discharge	HORIZONTAL - DUCTED				
	Operation (Optional)	WIRED (WIRELESS)				
Air Flow Rate	High	I/s (CFM)	142 (300)	241 (510)	330 (700)	345 (730)
	Medium	I/s (CFM)	135 (285)	231 (490)	319 (675)	311 (660)
	Low	I/s (CFM)	123 (260)	189 (400)	302 (640)	274 (580)
External Static Pressure With Filter	Pa	49 / 44 / 36	49 / 42 / 28	49 / 45 / 41	49 / 43 / 30	
	in.wg	0.2 / 0.18 / 0.14	0.2 / 0.17 / 0.11	0.2 / 0.18 / 0.16	0.2 / 0.17 / 0.12	
Nominal Water Flow Rate	USGPM	2.2	2.6	4.05	5.06	
	liters/min	8.33	9.84	15.33	19.15	
Head Loss (Cooling)	kPa	10.5	24	20.1	32.4	
Maximum Working Pressure (Cooling)	kPa	1,608				
Surface Air Velocity	m/s	1.23	1.68	1.88	1.7	
Sound Pressure Level (H/M/L)	dBA	33 / 32 / 30	37 / 35 / 30	40 / 38 / 37	40 / 38 / 35	
Unit Dimension	Height	mm (in)	330 (13)			
	Width	mm (in)	760 (30)	900 (35)	1,060 (42)	1,195 (47)
	Depth	mm (in)	510 (20)			
Packing Dimension	Height	mm (in)	454 (18)			
	Width	mm (in)	810 (32)	950 (37)	1,110 (44)	1,245 (49)
	Depth	mm (in)	674 (27)			
Unit Weight	kg (lb)	25 (55)	29 (64)	32 (71)	35 (77)	
Condensate Drain Pipe Size	mm (in)	19.05 (3/4)				
Pipe Connection	Type	BSP FEMALE THREAD ADAPTOR				
	Size	mm (in)	19.05 (3/4)			
Filter	Type	WASHABLE SARANET FILTER				
	Quantity	pcs	1			
Casing	Colour	WITHOUT PAINT				

Notes:

1. Nominal cooling capacity are based on the conditions below:

Mode	Cooling
Entering Air Temperature	27°C DB / 19°C WB
Entering Water Temperature	7°C
Leaving Water Temperature	12°C

2. Sound measurement position is 1.5m below the centre of the unit with 2m length duct at the air discharge outlet and air return inlet.
 3. All specifications are subjected to change by the manufacturer without prior notice.

TECHNICAL SPECIFICATION



ACSC 30CW - ACSC 60CW Double Skin Ceiling Concealed

Model		ACSC 30CW	ACSC 40CW	ACSC 50CW	ACSC 60CW	
Nominal Cooling Capacity (High)	BTU/h	24,800	37,000	44,700	51,800	
	kW	7.27	10.84	13.10	15.18	
Nominal Cooling Capacity (Medium)	BTU/h	23,300	35,800	43,600	50,500	
	kW	6.83	10.49	12.78	14.80	
Nominal Cooling Capacity (Low)	BTU/h	22,200	33,900	42,800	47,900	
	kW	6.51	9.94	12.54	14.04	
Nominal Total Input Power	kW	0.345	0.442	0.427	0.531	
Nominal Operating Current	A	1.5	1.93	1.86	2.32	
Power Source	V/Ph/Hz	220 ~ 240 / 1 / 50				
Control	Air Discharge	HORIZONTAL - DUCTED				
	Operation (Optional)	WIRED (WIRELESS)				
Air Flow Rate	High	I/s (CFM)	392 (830)	585 (1,240)	632 (1,340)	732 (1,550)
	Medium	I/s (CFM)	359 (760)	519 (1,100)	576 (1,220)	661 (1,400)
	Low	I/s (CFM)	335 (710)	481 (1,020)	562 (1,190)	614 (1,300)
External Static Pressure With Filter	Pa	167 / 128 / 88	128 / 88 / 39	157 / 137 / 108	157 / 137 / 98	
	in.wg	0.67 / 0.51 / 0.35	0.51 / 0.35 / 0.16	0.63 / 0.55 / 0.43	0.63 / 0.55 / 0.39	
Nominal Water Flow Rate	USGPM	5.55	8.28	10.04	11.62	
	liters/min	21.01	31.34	38	43.98	
Head Loss (Cooling)	kPa	14	23	38	51	
Maximum Working Pressure (Cooling)	kPa	1,608				
Surface Air Velocity	m/s	1.41	1.83	1.54	1.52	
Sound Pressure Level (H/M/L)	dBA	45 / 41 / 37	48 / 44 / 40	50 / 48 / 45	52 / 49 / 45	
Unit Dimension	Height	mm (in)	480 (19)			
	Width	mm (in)	975 (38)	1,090 (43)	1,345 (53)	1,545 (61)
	Depth	mm (in)	620 (24)			
Packing Dimension	Height	mm (in)	604 (24)			
	Width	mm (in)	1,025 (40)	1,140 (45)	1,395 (55)	1,596 (63)
	Depth	mm (in)	784 (31)			
Unit Weight	kg (lb)	52 (115)	54 (119)	62 (137)	69 (152)	
Condensate Drain Pipe Size	mm (in)	19.05 (3/4)				
Pipe Connection	Type	BSP FEMALE THREAD ADAPTOR				
	Size	mm (in)	19.05 (3/4)			
Filter	Type	WASHABLE SARANET FILTER				
	Quantity	pcs	1			
Casing	Colour	WITHOUT PAINT				

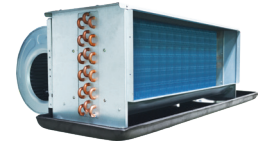
Notes:

1. Nominal cooling capacity are based on the conditions below:

Mode	Cooling
Entering Air Temperature	27°C DB / 19°C WB
Entering Water Temperature	7°C
Leaving Water Temperature	12°C

2. Sound measurement position is 1.5m below the centre of the unit with 2m length duct at the air discharge outlet and air return inlet.
 3. All specifications are subjected to change by the manufacturer without prior notice.

TECHNICAL SPECIFICATION



ACC 02GW - ACC 12GW Ceiling Concealed - Low Static Pressure

Model			ACC 02GW	ACC 03GW	ACC 04GW	ACC 06GW	ACC 08GW	ACC 10GW	ACC 12GW
Nominal Cooling Capacity (High)	BTU/h		6,000	9,000	12,000	18,000	24,000	30,000	36,000
	kW		1.76	2.64	3.52	5.28	7.03	8.79	10.55
Nominal Cooling Capacity (Medium)	BTU/h		5,000	6,900	10,200	16,400	21,000	26,700	32,800
	kW		1.47	2.02	2.99	4.81	6.15	7.83	9.61
Nominal Cooling Capacity (Low)	BTU/h		4,400	5,200	7,000	13,700	17,000	22,100	29,100
	kW		1.29	1.52	2.05	4.02	4.98	6.48	8.53
Nominal Total Input Power	kW		0.053	0.061	0.081	0.116	0.159	0.202	0.241
Nominal Operating Current	A		0.23	0.27	0.36	0.5	0.72	0.9	1.05
Power Source	V/Ph/Hz		220 ~ 240 / 1 / 50						
Control	Air Discharge		DUCTED						
	Operation		WITHOUT CONTROLLER						
Air Flow Rate	High	I/s (CFM)	94 (200)	142 (300)	189 (400)	283 (600)	378 (800)	472 (1,000)	566 (1,200)
	Medium	I/s (CFM)	76 (160)	104 (220)	144 (305)	236 (500)	307 (650)	380 (805)	460 (975)
	Low	I/s (CFM)	61 (130)	71 (150)	94 (200)	182 (385)	219 (465)	283 (600)	382 (810)
External Static Pressure With Filter	Pa		30 / 19 / 12	30 / 16 / 7	30 / 18 / 7	30 / 21 / 13	30 / 19 / 10	30 / 18 / 11	30 / 20 / 13
	in.wg		0.12 / 0.08 / 0.05	0.12 / 0.06 / 0.03	0.12 / 0.07 / 0.03	0.12 / 0.08 / 0.05	0.12 / 0.08 / 0.04	0.12 / 0.07 / 0.04	0.12 / 0.08 / 0.05
Nominal Water Flow Rate	USGPM		1.32	2	2.66	3.99	5.33	6.66	7.99
	liters/min		5	7.57	10.09	15.13	20.18	25.22	30.26
Head Loss (Cooling)	kPa		8.5	20	25	34	38	42	38
Maximum Working Pressure (Cooling)	kPa		1608						
Surface Air Velocity	m/s		1.26	1.17	1.56	1.99	1.69	2.11	2.05
Sound Pressure Level (H/M/L)	dBA		31 / 26 / 20	32 / 25 / 20	35 / 29 / 21	38 / 35 / 30	39 / 34 / 26	41 / 37 / 31	42 / 39 / 35
Unit Dimension	Height	mm (in)	251 (10)						
	Width	mm (in)	630 (25)	774 (30)		874 (34)	1,264 (50)		1,514 (60)
	Depth	mm (in)	461 (18)						
Packing Dimension	Height	mm (in)	595 (23)						
	Width	mm (in)	836 (33)	984 (39)		1,084 (43)	1,473 (58)		1,724 (68)
	Depth	mm (in)	284 (11)						
Unit Weight	kg (lb)		11 (24)	14.5 (32)	15 (33)	17.5 (39)	26 (57)	26 (57)	30 (66)
Condensate Drain Pipe Size	mm (in)		19.05 (3/4)						
Pipe Connection	Type		BSP FEMALE THREAD ADAPTOR						
	Size	mm (in)	19.05 (3/4)						
Filter	Type		WASHABLE SARANET FILTER						
	Quantity	pcs	2						
Casing	Colour		WITHOUT PAINT						

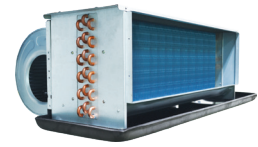
Notes:

1. Nominal cooling capacity are based on the conditions below:

Mode	Cooling
Entering Air Temperature	27°C DB / 19°C WB
Entering Water Temperature	7°C
Leaving Water Temperature	12°C

- 2. Sound measurement position is 1.5m below the centre of the unit with 2m length duct at the air discharge outlet and air return inlet.
- 3. All specifications are subjected to change by the manufacturer without prior notice.

TECHNICAL SPECIFICATION



ACC 03GW - ACC 12GW Ceiling Concealed - Medium Static Pressure

Model		ACC 03GW	ACC 04GW	ACC 06GW	ACC 08GW	ACC 10GW	ACC 12GW	
Nominal Cooling Capacity (High)	BTU/h	9,000	12,000	18,000	24,000	30,000	36,000	
	kW	2.64	3.52	5.28	7.03	8.79	10.55	
Nominal Cooling Capacity (Medium)	BTU/h	6,900	10,200	16,400	21,000	26,700	32,800	
	kW	2.02	2.99	4.81	6.15	7.83	9.61	
Nominal Cooling Capacity (Low)	BTU/h	5,200	7,000	13,700	17,000	22,100	29,100	
	kW	1.52	2.05	4.02	4.98	6.48	8.53	
Nominal Total Input Power	kW	0.061	0.087	0.13	0.184	0.235	0.246	
Nominal Operating Current	A	0.27	0.38	0.58	0.81	1.03	1.1	
Power Source	V/Ph/Hz	220 ~ 240 / 1 / 50						
Control	Air Discharge	DUCTED						
	Operation	WITHOUT CONTROLLER						
Air Flow Rate	High	I/s (CFM)	142 (300)	189 (400)	283 (600)	378 (800)	472 (1,000)	566 (1,200)
	Medium	I/s (CFM)	104 (220)	144 (305)	236 (500)	307 (650)	380 (805)	460 (975)
	Low	I/s (CFM)	71 (150)	94 (200)	182 (385)	219 (465)	283 (600)	382 (810)
External Static Pressure With Filter	Pa	50 / 32 / 15	50 / 32 / 15	50 / 35 / 20	50 / 33 / 17	50 / 33 / 18	50 / 33 / 23	
	in.wg	0.2 / 0.13 / 0.06	0.2 / 0.13 / 0.06	0.2 / 0.14 / 0.08	0.2 / 0.13 / 0.07	0.2 / 0.13 / 0.07	0.2 / 0.13 / 0.09	
Nominal Water Flow Rate	USGPM	2	2.66	3.99	5.33	6.66	7.99	
	liters/min	7.57	10.09	15.13	20.18	25.22	30.26	
Head Loss (Cooling)	kPa	20	25	34	38	42	38	
Maximum Working Pressure (Cooling)	kPa	1608						
Surface Air Velocity	m/s	1.17	1.56	1.99	1.69	2.11	2.05	
Sound Pressure Level (H/M/L)	dBA	35 / 29 / 20	37 / 31 / 22	41 / 37 / 31	43 / 37 / 30	44 / 40 / 33	44 / 40 / 37	
Unit Dimension	Height	mm (in)	251 (10)					
	Width	mm (in)	774 (30)	874 (34)	1,264 (50)	1,514 (60)		
	Depth	mm (in)	461 (18)					
Packing Dimension	Height	mm (in)	595 (23)					
	Width	mm (in)	984 (39)	1,084 (43)	1,473 (58)	1,724 (68)		
	Depth	mm (in)	284 (11)					
Unit Weight	kg (lb)	14.5 (32)	15 (33)	17.5 (39)	26 (57)	30 (66)		
Condensate Drain Pipe Size	mm (in)	19.05 (3/4)						
Pipe Connection	Type	BSP FEMALE THREAD ADAPTOR						
	Size	mm (in)	19.05 (3/4)					
Filter	Type	WASHABLE SARANET FILTER						
	Quantity	pcs	2	2	2	3	3	4
Casing	Colour	WITHOUT PAINT						

Notes:

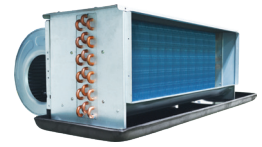
1. Nominal cooling capacity are based on the conditions below:

Mode	Cooling
Entering Air Temperature	27°C DB / 19°C WB
Entering Water Temperature	7°C
Leaving Water Temperature	12°C

2. Sound measurement position is 1.5m below the centre of the unit with 2m length duct at the air discharge outlet and air return inlet.

3. All specifications are subjected to change by the manufacturer without prior notice.

TECHNICAL SPECIFICATION



ACC 14GW - ACC 20GW Ceiling Concealed - Medium Static Pressure

Model		ACC 14GW	ACC 16GW	ACC 18GW	ACC 20GW	
Nominal Cooling Capacity (High)	BTU/h	42,000	48,000	54,000	60,000	
	kW	12.31	14.07	15.83	17.58	
Nominal Cooling Capacity (Medium)	BTU/h	36,700	41,200	47,200	52,700	
	kW	10.76	12.08	13.83	15.45	
Nominal Cooling Capacity (Low)	BTU/h	29,100	31,700	38,300	41,100	
	kW	8.53	9.29	11.23	12.05	
Nominal Total Input Power	kW	0.45	0.558	0.624	0.659	
Nominal Operating Current	A	1.96	2.43	2.72	2.87	
Power Source	V/Ph/Hz	220 ~ 240 / 1 / 50				
Control	Air Discharge	DUCTED				
	Operation	WITHOUT CONTROLLER				
Air Flow Rate	High	l/s (CFM)	661 (1,400)	755 (1,600)	850 (1,800)	944 (2,000)
	Medium	l/s (CFM)	533 (1,130)	614 (1,300)	682 (1,445)	722 (1,530)
	Low	l/s (CFM)	389 (825)	427 (905)	500 (1,060)	507 (1,075)
External Static Pressure With Filter	Pa	75 / 48 / 24	75 / 48 / 24	75 / 48 / 25	75 / 45 / 22	
	in.wg	0.3 / 0.19 / 0.1	0.3 / 0.19 / 0.1	0.3 / 0.19 / 0.1	0.3 / 0.18 / 0.09	
Nominal Water Flow Rate	USGPM	9.32	10.65	11.98	13.31	
	liters/min	35.31	40.35	45.4	50.44	
Head Loss (Cooling)	kPa	31	27	33	32	
Maximum Working Pressure (Cooling)	kPa	1608				
Surface Air Velocity	m/s	2.43	2.41	2.71	2.65	
Sound Pressure Level (H/M/L)	dBA	47 / 43 / 35	48 / 44 / 37	49 / 45 / 39	50 / 46 / 38	
Unit Dimension	Height	mm (in)	363 (14)			
	Width	mm (in)	1,116 (44)	1,254 (49)	1,394 (55)	
	Depth	mm (in)	660 (26)			
Packing Dimension	Height	mm (in)	760 (30)			
	Width	mm (in)	1,331 (52)	1,469 (58)	1,609 (63)	
	Depth	mm (in)	395 (16)			
Unit Weight	kg (lb)	34 (75)	37 (82)	38 (84)	41 (90)	
Condensate Drain Pipe Size	mm (in)	19.05 (3/4)				
Pipe Connection	Type	BSP FEMALE THREAD ADAPTOR				
	Size	mm (in)	25.4 (1)			
Filter	Type	WASHABLE SARANET FILTER				
	Quantity	pcs	2	3	3	3
Casing	Colour	WITHOUT PAINT				

Notes:

1. Nominal cooling capacity are based on the conditions below:

Mode	Cooling
Entering Air Temperature	27°C DB / 19°C WB
Entering Water Temperature	7°C
Leaving Water Temperature	12°C

2. Sound measurement position is 1.5m below the centre of the unit with 2m length duct at the air discharge outlet and air return inlet.
 3. All specifications are subjected to change by the manufacturer without prior notice.

TECHNICAL SPECIFICATION



ADB 75BW - ADB 150BW Ducted Blower

Model		ADB 75BW	ADB 100BW	ADB 125BW	ADB 150BW	
Nominal Cooling Capacity	BTU/h	75,600	95,000	125,000	150,000	
	kW	22.16	27.84	36.64	43.96	
Nominal Total Input Power	kW	0.76	1.8	1.40	1.50	
Nominal Operating Current	A	3.49	7.84	2.70	3.00	
Power Source	V/Ph/Hz	220 ~ 240 / 1 / 50		380 ~ 415 / 3 / 50		
Control	Air Discharge	DUCTED				
	Operation	WITHOUT CONTROLLER				
Air Flow Rate	High	I/s (CFM)	1,180 (2,500)	1,510 (3,200)	1,982 (4,200)	2,171 (4,600)
	Medium	I/s (CFM)	991 (2,100)	1,416 (3,000)	N/A	N/A
	Low	I/s (CFM)	826 (1,750)	1,321 (2,800)	N/A	N/A
External Static Pressure With Filter	Pa (in. wg)	100 / 72 / 50	100 / 80 / 60	149*	149*	
Nominal Water Flow Rate	USGPM	16.9	21.1	27.7	33.3	
	liters/min	64	80	105	126	
Head Loss (Cooling)	kPa	34.5	42	48.8	53.3	
Maximum Working Pressure (Cooling)	kPa	1,608				
Surface Air Velocity	m/s	2.18	2.79	1.97	2.16	
Sound Pressure Level (H/M/L)	dB(A)	50 / 46 / 42	54 / 52 / 50	58	58	
Unit Dimension	Height	mm (in)	572 (23)		885 (35)	
	Width	mm (in)	1,402 (55)		1,540 (61)	
	Depth	mm (in)	605 (24)		850 (33)	
Packing Dimension	Height	mm (in)	762 (30)		1,154 (45)	
	Width	mm (in)	1,605 (63)		1,787 (70)	
	Depth	mm (in)	880 (35)		1,188 (47)	
Unit Weight	kg (lb)	92 (203)	102 (225)	176 (388)	189 (417)	
Condensate Drain Pipe Size	mm (in)	19.05 (3/4)				
Pipe Connection	Type	BSP FEMALE THREAD ADAPTOR				
	Size	mm (in)	31.75 (1 1/4)			
Filter	Type	WASHABLE SARANET FILTER		VILEDON R29		
	Quantity	pcs	2		3	
Casing	Colour	IVORY WHITE				

Notes:

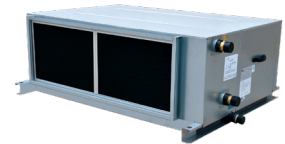
1. Nominal cooling capacity are based on the conditions below:

Mode	Cooling
Entering Air Temperature	27°C DB / 19°C WB
Entering Water Temperature	7°C
Leaving Water Temperature	12°C

2. Sound measurement position is 1m in front and center of the unit.
 3. All specifications are subjected to change by the manufacturer without prior notice.

TECHNICAL SPECIFICATION

ADB 200FW - ADB 300FW Ducted Blower



Indoor Model Name			ADB 200FW	ADB 240FW	ADB 300FW
Nominal Cooling Capacity	BTU/h		200,900	239,400	299,800
	KW		58.89	70.17	87.87
Motor Output Power	kW		4	4	5.5
Power Source	V/Ph/Hz		380 ~ 415/3/50		
Control	Air Discharge		HORIZONTAL & NON - CONVERTIBLE		
	Operation		NO CONTROLLER		
Air Flow Rate	High	l/s	2,611	3,083	3,806
		CFM	5,533	6,533	8,064
External Static Pressure With Filter	Pa (in. wg)		250 (1.0)	300 (1.2)	
Nominal Water Flow Rate	USGPM		44.1	52.9	66.3
	Liters/min		166.8	200.4	250.8
Head Loss (Cooling)	kPa		24.66	28.81	39.39
Maximum Working Pressure (Cooling)	kPa		1,600		
Surface Air Velocity	m/s		2.75	2.76	2.75
Sound Pressure Level	dBA		65.3	65.3	67
Unit Dimension	Height	mm (in)	620 (24)	715 (28)	740 (29)
	Width	mm (in)	2,180 (86)	2,270 (89)	2,490 (98)
	Depth	mm (in)	900 (35)	990 (39)	
Packing Dimension	Height	mm (in)	857 (34)	883 (35)	908 (36)
	Width	mm (in)	2,460 (97)	2,680 (106)	2,900 (114)
	Depth	mm (in)	1,220 (48)		
Unit Weight	kg (lb)		234 (516)	269 (593)	306 (675)
Condensate Drain Pipe Size	mm (in)		31.75 (1 1/4)		
Pipe Connection	Type		BSP FEMALE THREAD ADAPTOR		
	Size	mm (in)	63.5 (2 1/2)		
Filter	Type		G3		
	Quantity	pcs	1		
Casing	Colour		WITHOUT PAINT		

Notes:

1. Nominal cooling capacity are based on the conditions below:

Mode	Cooling
Entering Air Temperature	27°C DB / 19°C WB
Entering Water Temperature	7°C
Leaving Water Temperature	12°C

- 2. The external static pressure is inclusive of a flat Grade 3 filter contribute a pressure drop of 88 Pa.
- 3. The unit weight stipulated are net weight, operating weight will increase approximately 20%.
- 4. The sound pressure level value is estimated and the position is 1 m below and after the supply duct.
- 5. All specifications are subjected to change by the manufacturer without prior notice.

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Air Conditioners

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