

AIR COOLED MODULAR CHILLER

Our quality build your comfort

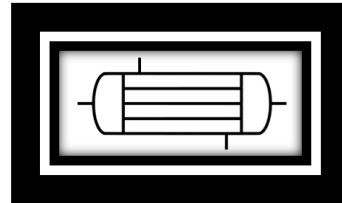


Features



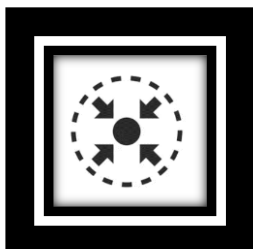
Hermetic Scroll Compressor

High efficiency, stable, high durability, and quiet operation.



Shell & Tube Condenser

High reliability, high efficiency in heat transfer, serviceable



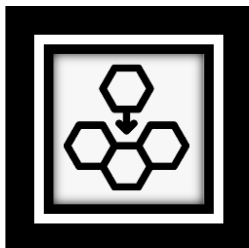
Compact

Optimum dimension with minimum footprint and size.



Minimum Spend in Spare Unit

Minimum investment on spare unit where only single modular unit required.



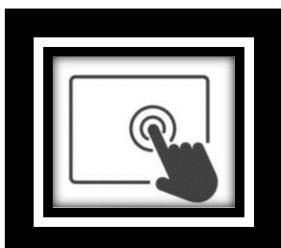
Modular System

Unit capacity can be flexible to add or reduce by modular system.



Technical Performance Guarantee

Coil selection by certified AHRI software. ISO 9001 certified factory.



Touch screen controller

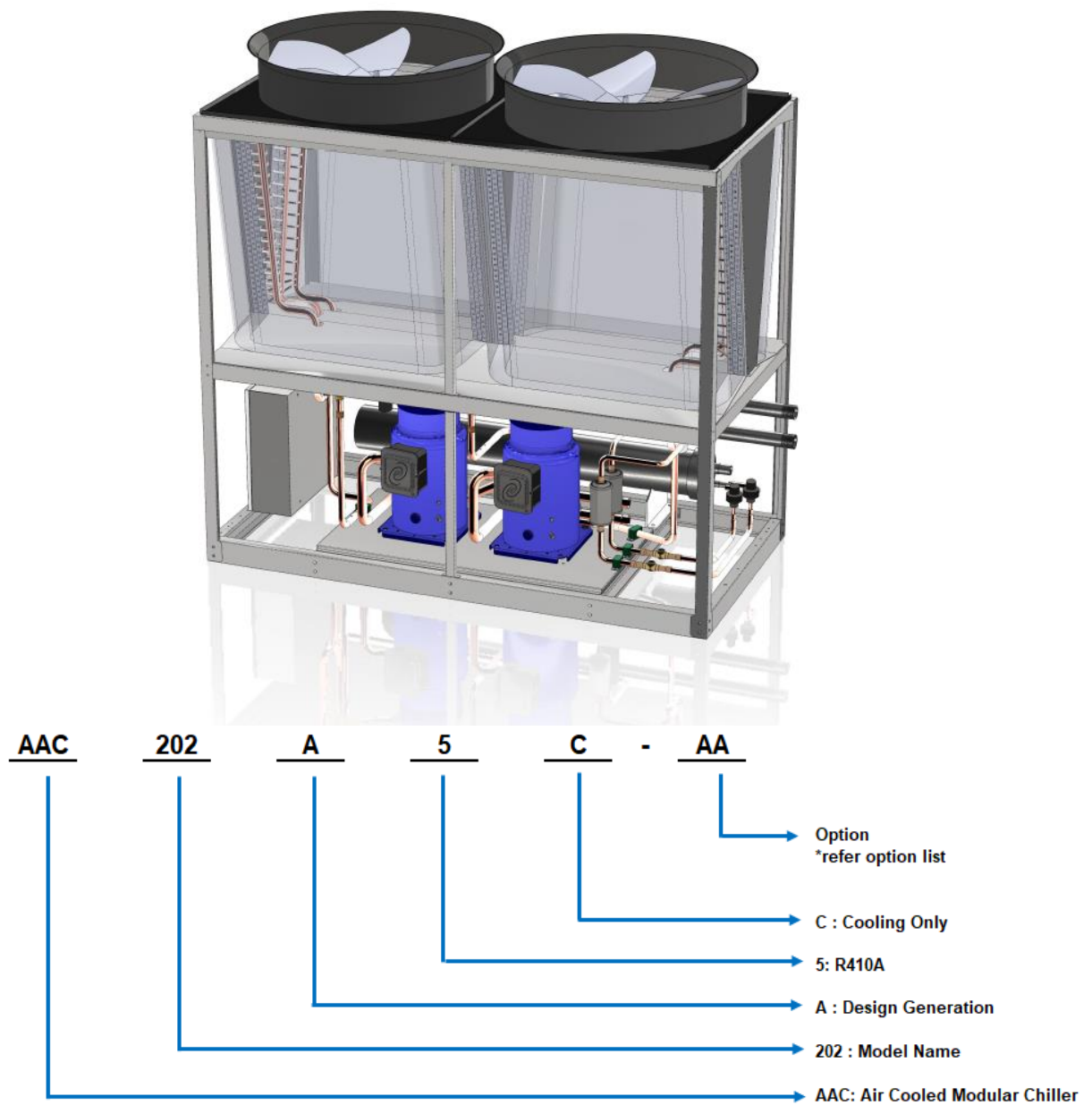
Stylish and operation friendly controller for superior experience.



Stage by stage investment

More cost effective on investment by stage to stage.

Nomenclature



Option list

1) Evaporator

SA	Shell & Tube
BA	BPHE

2) Condenser Coil Coating

XC	Epoxy Coating
HC	Heresite Coating

Specification Data

MODEL			AAC202A5C-SA	AAC252A5C-SA	AAC302A5C-SA
NOMINAL COOLING CAPACITY		Ton	18.1	22.5	30.5
		kW	63.7	79.3	107.2
NOMINAL POWER INPUT		kW	20.7	27.1	36.5
EER			3.07	2.93	2.94
RATED RUNNING CURRENT		A	39.6	54.5	67.8
POWER SUPPLY			380~415V / 3Ph / 50Hz		
REFRIGERANT	TYPE		R410A		
	NO. OF CIRCUIT		2	2	2
	CAPACITY STEPS		2	2	2
	CHARGING VOLUME	kg	7.5 x 2	8.5 x 2	9.5 x 2
COMPRESSOR	TYPE		FULLY HERMETIC SCROLL TYPE		
	PROTECTION DEVICE		HIGH/LOW PRESSURE SWITCH		
	POWER CONSUMPTION	kW	19.0	25.4	34.8
	RUNNING CURRENT	A	35.7	46.6	59.9
	QUANTITY		2	2	2
EVAPORATOR	TYPE		SHELL AND TUBE HEAT EXCHANGER		
	PROTECTION DEVICE		WATER FLOW SWITCH		
	WATER FLOW	m3/h	10.9	13.6	18.4
		l/s	3.0	3.8	5.1
WATER PRESSURE DROP	kPa	32	35	38	
CONDENSER	TYPE		CU AL FINNED TUBE HEAT EXCHANGER		
	DIAMETER	in / mm	3/8" / 9.52		
	COIL FACE AREA	ft2 / m2	39.5 / 3.67	59.7 / 5.55	
CONDENSER FAN MOTOR	FAN TYPE		HIGH EFFICIENCY LOW NOISE AXIAL FAN		
	BLADE TYPE		ALUMINUM		
	DRIVE		DIRECT DRIVE		
	SAFETY		STEEL WIRE FAN GRILLE		
	QUANTITY	pcs	1	2	2
	MOTOR TYPE		ALUMINUM SHELL MOTOR		
	NO. OF POLES		6		
	PROTECTION CLASS		IP55		
	INSULATION CLASS		F		
	RATED CURRENT	A	3.96	7.92	7.92
CONNECTIONS	WATER IN	inch / DN	2" / DN50		
	WATER OUT	inch / DN	2" / DN50		
NET WEIGHT		kg	542	1100	1198
OUTLINE DIMENSIONS	LENGTH	mm	1600	2200	2200
	WIDTH	mm	1100	1100	1100
	HEIGHT	mm	2089	2089	2089

Notes:

- Test conditions of nominal total capacity as below:
-12°C entering water temperature , 7°C leaving water temperature.
- 35°C ambient Temperature.
- Power supply is 380-415V/50Hz with allowable voltage fluctuation of ±10%
- Materials and specifications are subject to change without notice due to the manufacturer's ongoing research and development programme.

Specification Data

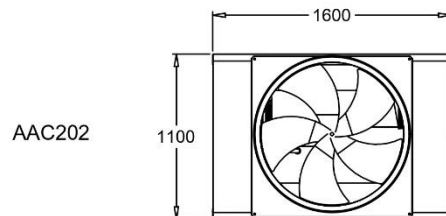
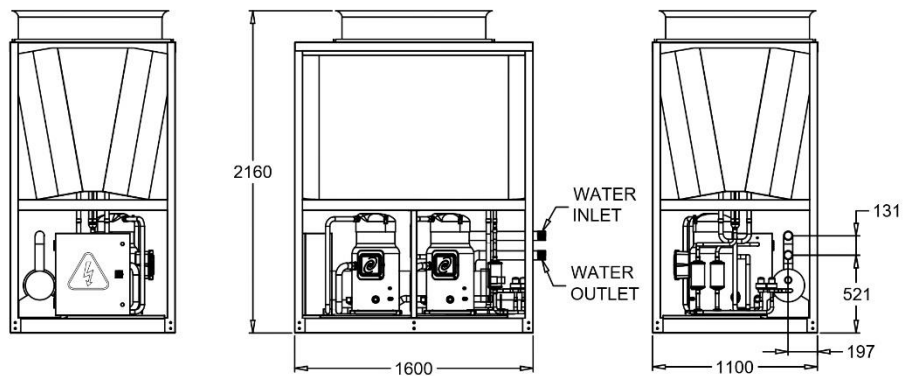
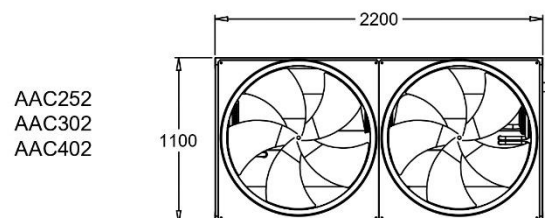
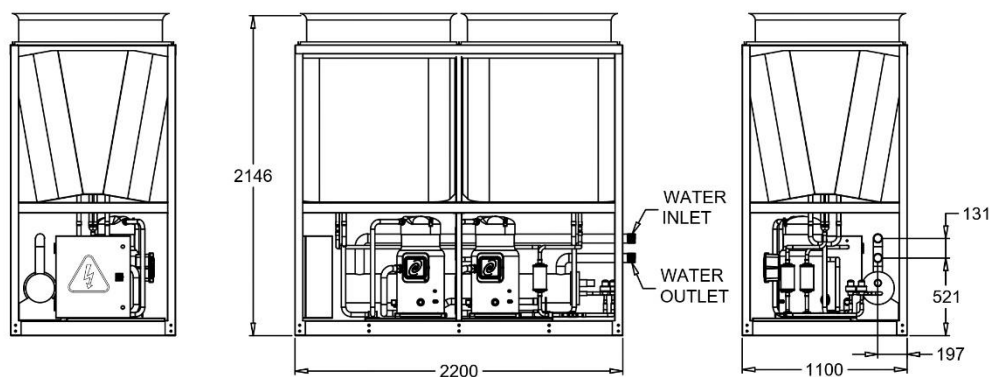
MODEL				AAC402A5C-SA	AAC502A5C-SA	AAC602A5C-SA
NOMINAL COOLING CAPACITY			Ton	37.3	46.6	59.0
			kW	131.2	164.0	207.4
NOMINAL POWER INPUT			kW	43.2	54.3	67.4
EER				3.04	3.02	3.08
RATED RUNNING CURRENT			A	79.3	98.5	125.7
POWER SUPPLY				380~415V / 3Ph / 50Hz		
REFRIGERANT	TYPE		R410A			
	NO. OF CIRCUIT		2	2	2	
	CAPACITY STEPS		2	2	2	
	CHARGING VOLUME	kg	13 x 2	15 x 2	17 x 2	
COMPRESSOR	TYPE		FULLY HERMETIC SCROLL TYPE			
	PROTECTION DEVICE		HIGH/LOW PRESSURE SWITCH			
	POWER CONSUMPTION	kW	41.5	52.6	65.7	
	RUNNING CURRENT	A	71.4	86.7	113.8	
	QUANTITY		2	2	2	
EVAPORATOR	TYPE		SHELL AND TUBE HEAT EXCHANGER			
	PROTECTION DEVICE		WATER FLOW SWITCH			
	WATER FLOW	m3/h	22.6	28.2	35.7	
		l/s	6.3	7.8	9.9	
WATER PRESSURE DROP	kPa	40	45	48		
CONDENSER	TYPE		CU AL FINNED TUBE HEAT EXCHANGER			
	DIAMETER	in / mm	3/8" / 9.52			
	COIL FACE AREA	ft2 / m2	59.7 / 5.55	78.9 / 7.33		
CONDENSER FAN MOTOR	FAN TYPE		HIGH EFFICIENCY LOW NOISE AXIAL FAN			
	BLADE TYPE		ALUMINUM			
	DRIVE		DIRECT DRIVE			
	SAFETY		STEEL WIRE FAN GRILLE			
	QUANTITY	pcs	3	3	3	
	MOTOR TYPE		ALUMINUM SHELL MOTOR			
	NO. OF POLES		6			
	PROTECTION CLASS		IP55			
	INSULATION CLASS		F			
	RATED CURRENT	A	7.92	11.88	11.88	
CONNECTIONS	WATER IN	inch / DN	2-1/2" / DN65		3" / DN80	
	WATER OUT	inch / DN	2-1/2" / DN65		3" / DN80	
NET WEIGHT			kg	1250	1550	1650
OUTLINE DIMENSIONS	LENGTH	mm	2200	3800	3800	
	WIDTH	mm	1100	1100	1100	
	HEIGHT	mm	2089	2089	2089	

Notes:

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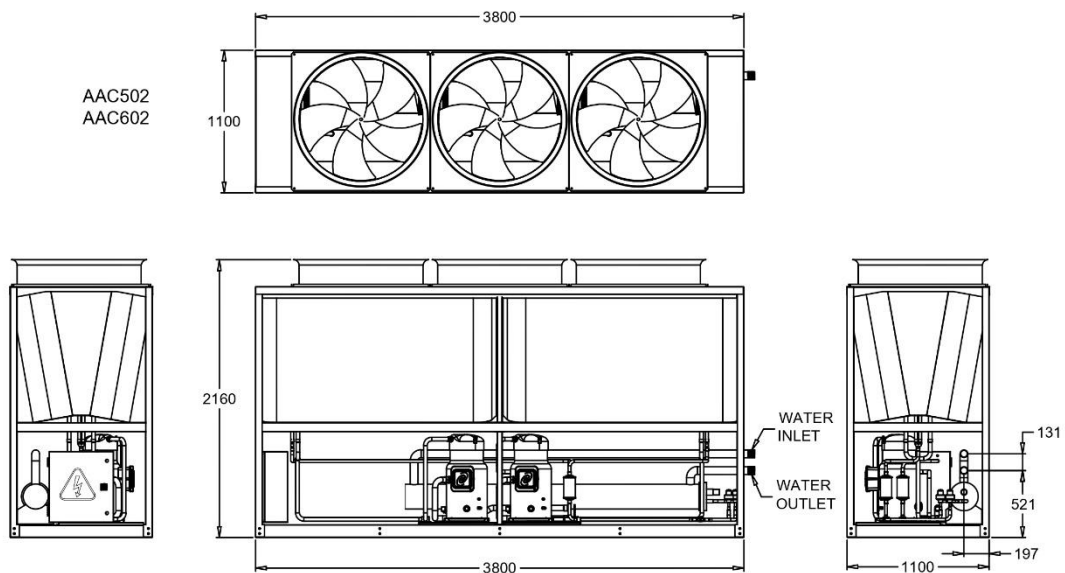
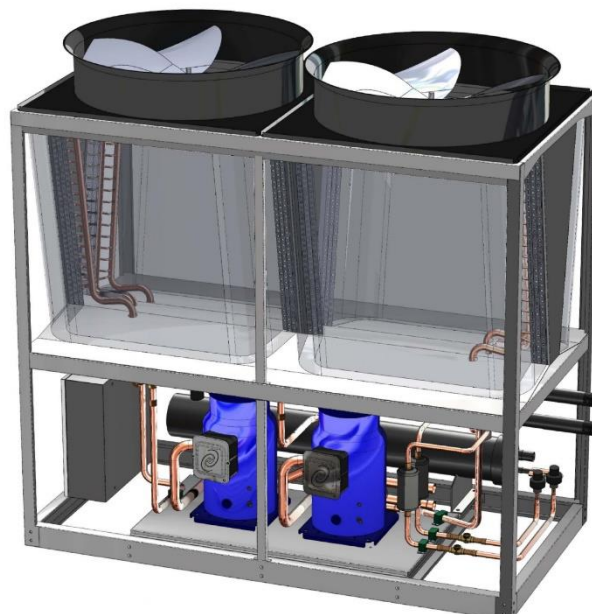
Dimension

OUTLINE DIMENSIONS



Dimension

OUTLINE DIMENSIONS





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ISO 9001: 2015 Cert.No 770145

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