



Water Cooled Air Supply Chiller & Heat Pump

FEATURES

HERMETIC COMPRESSOR

The units use high efficiency, hermetically sealed, compressors, oil return lubrication and rubber vibration damper. The thermal overload cut-out, phase sequence relay and crankcase heater are integrated as the security protection to enhance reliability and performance.

CONDENSER

Condenser built with high efficiency tube-in-tube type, plate type, shell and tube type heat exchanger, factory insulated with flexible close cell material.

EVAPORATOR

Evaporator built with seamless internal screw thread copper tubes mechanically expanded into blue wave hydrophilic aluminum fins.

ELECTRIC PANEL

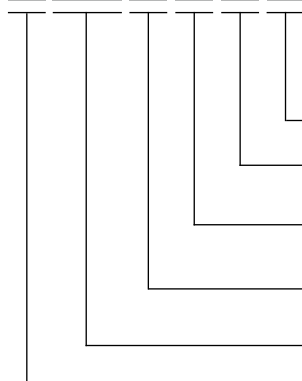
Electric panel consist of: Compressor contactor, fan motor contactor, compressor protection breaker, fan protection breaker, phase sequence relay and microprocessor with function display (display only for master/packaged unit) Automatic operation dramatically reducing maintenance cost thanks to reliable microprocessor system.

OPTIONAL

- Rubber anti-vibration mounting..
- Compressor soft connection
- BMS
- Stainless steel covering
- Floor standing design, bigger capacity

NOMENCLATURE

H **SHA** **C** **C** **10** **W**



- W: Scroll compressor; R: Rotary compressor
- Model (kW)
- Refrigerant Type
--: R22; A: R410a; C: R407c
- C: Cooling Only
H: Heat Pump
- SHA: Water cooled air supply
- HYC product

SPECIFICATION

Ceiling concealed horizontal

Model	/	10	12	15	18	21	25	30	35
Cooling capacity	kW	10.2	12.3	15	18	21	25	30	35
Heating capacity	kW	11.9	13.2	18	20	25	27	35	41
Cooling input power	kW	2.5	2.9	3.74	4.04	5.2	6.3	7.3	8.8
Heating input power	kW	2.7	3.1	4.3	4.5	5.9	6.8	8.8	10.2
Power supply	/	380-415V/3PH/50Hz							
Compressor type	/	Rotary/Scroll							
Evaporator									
Air flow	m ³ /h	1700	1800	2400	2950	3400	4270	5000	6000
Static pressure	Pa	50	50	80	80	100	100	100	100
Condenser									
Water flow	m ³ /h	2.1	2.1	3.1	3.6	4.2	5	6.1	7.2
Water pressure drop	Pa	47	45	42	52	50	52	54	56
Noise \leq dB(A)	dB(A)	46	47	48	49	54	56	57	58
Drain pipe size	/	DN20							
Dimension									
Length	mm	1500	1500	1500	1500	1805	1805	1915	1915
Width	mm	790	790	790	790	1045	1045	1045	1045
Height	mm	595	595	595	595	623	623	673	673
Net weight	kg	130	140	160	180	250	260	280	315
In/out pipe size	/	DN32							

The performance values refer to the following conditions:

- Cooling: indoor DB/WB temp. 27°C /19°C. Enter water temp. 30°C.
- Heating: indoor DB/WB temp. 20°C /15°C. Enter water temp. 20°C.
- HYC reserve the right to make changes for above parameters without prior notice.