

OMEGA VRF TECHNOLOGY

Engineered to elevate efficiency and comfort
..... to the next level!

ACMI SERIES Air Cooled Heatpump Inverter Modular Chiller

Cooling Capacity Min~Max: 61,000 ~ 240,000 BTU/h (17.9 ~ 70.3 kW)

Heating Capacity Min~Max: 65,100 ~ 256,000 BTU/h (19.1 ~ 75.0 kW)

Product Features

- ✓ Cooling & Heating.
- ✓ DC Inverter Compressor.
- ✓ Blue Lance Fins & Inner Groove Copper Tubes.
- ✓ High Efficiency Plate Heat Exchanger.
- ✓ High Performance Condenser.
- ✓ Wide operation Temperature Range.
- ✓ Reduced Running Noise.
- ✓ Metallic Protective Cabinet.
- ✓ Rustproof Polyester Paint.
- ✓ Electronic Expansion Valves.
- ✓ Self-Diagnostics.
- ✓ Running Conditions Real Time Display.
- ✓ Power Delay Control for Low Start-Up Current.

Standard Protective Devices

- ✓ High & Low Pressure.
- ✓ Compressor Discharge Temperature.
- ✓ Compressor Overload.
- ✓ Anti-Freeze.
- ✓ Water Flow Switch Error.
- ✓ Voltage & Current protection.
- ✓ Temperature Sensor.
- ✓ Communication Error.



ISO 45001 ISO 14001 ISO 9001



A Product of
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Environmental
Technologies LLC.

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Air Cooled Heatpump Inverter Modular Chiller					
MODEL NO.	ACMI		020H4T-DHC070	030H8T-DHC096	040H8T-DHC130
Power Supply		V/PH/Hz	208-230/3/60	460±10%/3/60	460±10%/3/60
Cooling	Capacity	TR	19.9	28.4	37.8
	Input Power	kW	23.73	35.51	47.53
	EER	Btu/W*h	10.06	9.59	9.55
	IPLV	Btu/W*h	20.15	19.96	19.76
Heating 47 /105 LWT	Capacity	kBtu/h	255.9	370.55	493.73
	Input Power	kW	19.48	28.2	37.97
	COP	Btu/W*h	13.13	13.14	13.00
Heating 17 /105 LWT	Capacity	kBtu/h	204.7	295.5	394.1
	Input Power	kW	24.49	33.9	45.65
	COP	Btu/W*h	8.35	8.71	8.63
Heating 47 /120 LWT	Capacity	kBtu/h	255.9	364.1	485.5
	Input Power	kW	22.06	31.8	42.86
	COP	Btu/W*h	11.60	11.44	11.32
Heating 17 /120 LWT	Capacity	kBtu/h	204.7	295.5	394.1
	Input Power	kW	27.27	38.6	52.02
	COP	Btu/W*h	7.50	7.65	7.57
Sound Pressure	Cooling	dB(A)	67.0	74.0*	75.0*
	Heating	dB(A)	69.5	76.0*	78.0*
Refrigerant	Refrigerant Name	-	R32	R32	R32
Compressor	Type	-	Inverter Scroll		
Evaporator	Type	-	Plate Heat Exchanger		
Fan	Type	-	BLDC		
	Number of Fans	-	2	2	2
Net Weight		lbs (kg)	1192	2315	2315
Net Dimensions	Width	inch (mm)	78 3/4 (2000)	90 1/6 (2290)	90 1/6 (2290)
	Height	inch (mm)	74 (1880)	98 3/7 (2500)	98 3/7 (2500)
	Depth	inch (mm)	37 4/5(960)	61 4/5(1570)	61 4/5(1570)
Operating Ambient Temperature Range	Cooling	°F	5~131	5~131	5~131
	Heating	°F	-22~118.4	-22~118.4	-22~118.4
	DHW	°F	-22~118.4	/	/
Supply Water Temperature Range	Cooling	°F	14~77	41 ~ 77	41 ~ 77
	Heating	°F	77~149	77 ~ 149	77 ~ 149
	DHW	°F	77~149	/	/

Environment friendly

- R32 refrigerant with low GWP
- Zero impact on ozone layer
- Less carbon emission

All DC Inverter

- High efficiency for energy saving
- Quick start-up and less frequent start/stop
- Precise consumption on real load

Silence

- Multiple silence modes
- Adapt to the noise requirements at different times of the day

High reliability

- Multi anti-freeze protection
- Alternative cycle duty/thawing operation
- Back-up function

Comfort

- Automatically adjust the target outlet temperature
- Stable and comfortable outlet temperature

High-efficiency

- Efficient plate heat exchanger
- High energy efficiency ratio



LCD touch wire controller

Dot matrix LCD screen
Weekly time, daily time
Double temperature point setting
Mute mode setting
Master/slave wire controller settings
Buzzer sound and alarm function
Modbus function

