

AIR CONDITIONER

In Row Cooling



PRODUCT OVERVIEW

In Row Cooling

HHEX-Air Cold DX type In Row Scale air conditioners are mainly used for medium or at least small-scale data center construction project.

It is the fast solution since there is no need for chillers, towers and much less piping work.

Optional Items!

- Dual power source
- Heating
- Humidification
- Dehumidification
- Condensate water drainage pump
- Remote installation kits for outdoor units
- Super low ambient operations kit for extremely cold areas

Feature & benefits

- New generation BLDC compressor motor & EC fans for higher efficiency operation.
- Utmost high operation efficiency up to $EER \geq 3.0$
- Utmost high SHR up to 1.0
- Fans are separated controlled and maintained.
- Coils are well designed with less pressure loss while enhanced performance.
- Multiple temperature and humidity sensor for both return hot air and supply cold air.
- Standard MODBUS protocol through RS485 port and comparable to TCP/IP protocol up to 16 Pcs unit working in one loop.
- Outdoor unit with aluminum casing for corrosion resistant, can be mounted from horizontal or vertical direction, pipes can be accessed from up or bottom from both indoor unit and outdoor unit.
- Intelligent control target based on specific selection of return air temperature, cold air supply temperature, hot spot area air temperature.
- Environment friendly refrigerant: R410A with intelligent flow rate controller.
- Significantly contributed for PUE ≤ 1.3 operation target.


Contact Details

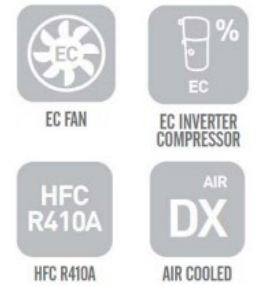
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SPECIFICATION

In Row Cooling

Product Model		ALVC-150-030-010	ALVC-250-030-020	ALVC-350-050-030 
P/N		745010	745020	745030
Performance * Rated Value				
Total Cooling Capacity @ 40 °C DB & 20% RH	kW	16	27	38
Sensible Cooling @ 40 °C DB & 20% RH	kW	16	27	38
Total Cooling Capacity @ 37 °C DB & 24% RH *	kW	15 *	25 *	35 *
Sensible Cooling @ 37 °C DB & 24% RH *	kW	15 *	25 *	35 *
Total Cooling Capacity @ 32 °C DB & 29% RH	kW	13	22	31
Sensible Cooling @ 32 °C DB & 29% RH	kW	13	22	31
Total Cooling Capacity @ 30 °C DB & 34% RH	kW	12	21	29
Sensible Cooling @ 30 °C DB & 34% RH	kW	12	21	29
Heater size Option items	kW	3	3	5
Humidification Option items	Kg/h	3	3	3
Air flow Circulation	m ³ /h	3000	5000	8000
Rated EER for cooling *		3.5 *	3.0 *	3.0 *
Working environment	° C	STD: -15 ~45 (-40~45 with Optional lower ambient operation kits)		
Refrigerant type	g	R410A		
Indoor Unit Noise Level	dB(A)	Min. 50 Max: 75		
Outdoor Unit Noise Level	dB(A)	Min. 50 Max: 65		
Power Supply & Consumption				
Voltage input		415 VAC 3 P 50/60 Hz		
Maximum Current Cooling	Amps	12	19	33
Maximum Current Cooling & Humidification	Amps	15	22	36
Maximum Current Cooling & Heating & Humi.	Amps	18	25	40
System				
Compressor type		Rotary or Scroll		
Expansion Device		Electronics type		
Evaporator & Condenser		Copper and Aluminum Fin		
Connecting Pipe Diameter				
Liquid Pipe (O.D.)	Mm	9.52	15.88	19.05
Gas Pipe (O.D.)	mm	19.05	19.05	22
Water connection pipes for humidification		G 1/2"		
Water connection pipes for drainage pump		Mm 12		
Features				
Display & Communication		7" display & MODUBUS RS485		
Filter efficiency / Washable or not		G4 efficiency and washable		
Heating & Supply air temperature control option		Yes		
Unit size/weight				
Inner unit	mm	2000 * 1200 * 300		2000 * 1200 * 600
	Kg	160	200	320
Outdoor unit	mm	1150 * 970 * 1350		1150 * 970 * 1800
	Kg	70	90	155



 ALVC-350-050-030
ESTIMATED AVAILABILITY Q3 2020