

HITECH



2016

50Hz R410a

AIR-CONDITIONERS

HEAT PUMPS

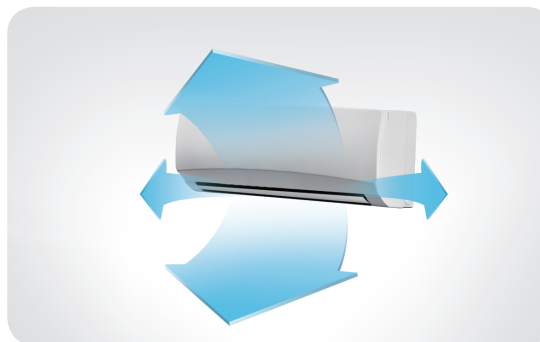
FAN COIL

Quality Living



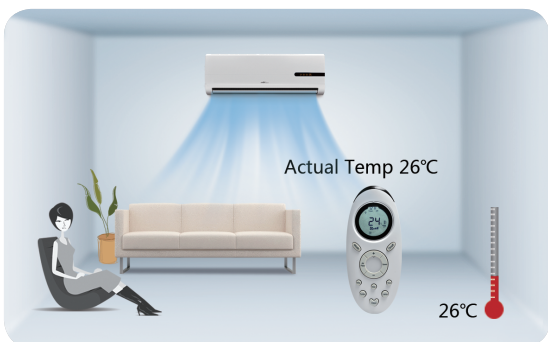
Independent Dehumidifying

Effectively removes moisture from the room.



360° Three Dimensional Air Delivery

360° air swing design allows air to reach every corner of a room within a wide angle.



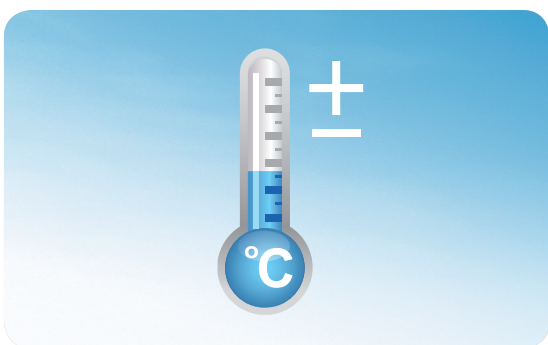
I Feel (Follow me)

Sensors detect temperatures around the remote control, leading to more precise adjustment of room temperature and mode.



Cold Air Protection

During winter heating, unit output is restricted at a low level, or set in gentle breeze mode, throughout initial power-up. This guarantees heat exchange as well as comfort, while preventing cold blasts entering the room.



Temperature Compensation

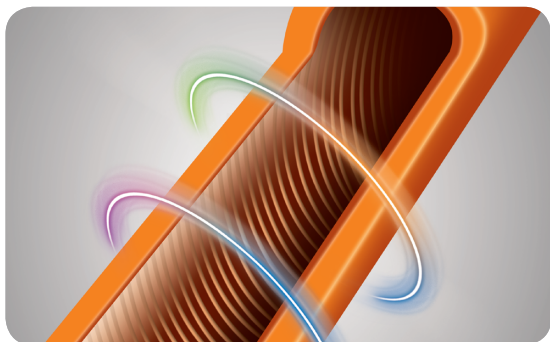
As indoor units are installed at different heights, the temperature detected by the indoor unit temperature probe will often be different from the actual ground temperature. This feature can correct the temperature difference.



Turbo Cooling/Heating

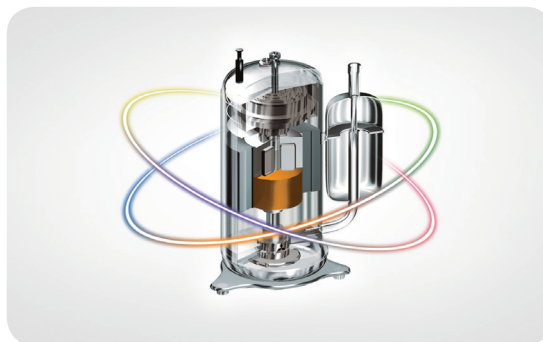
This feature maximizes cooling or heating output so room temperature quickly reaches the preset level.

Quality Living



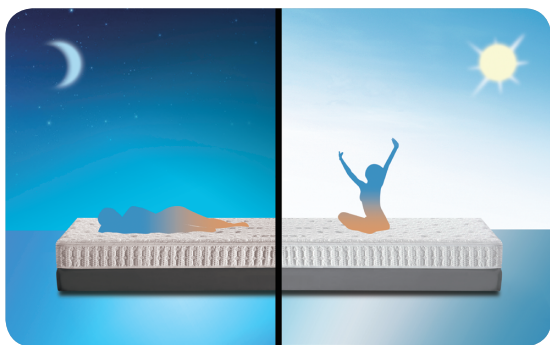
Inner-grooved Copper Tubes

High quality inner-grooved copper increases the surface area of the inner copper wall, significantly improving thermal conductivity (conductivity is 20-30% higher than that of smooth tubes).



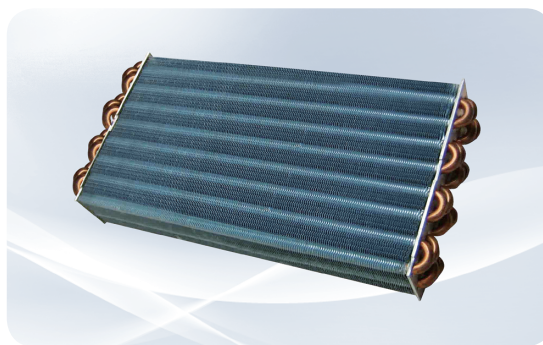
World Famous Compressor

A name brand compressor, using PM motors with PMs in the rotor and stator structure to produce an opposing, self-rotating force during operation, results in more efficient operation.



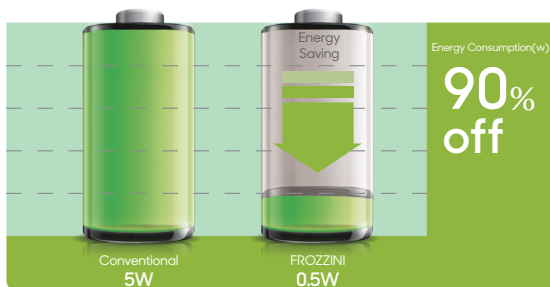
Sleep Mode

The AC will automatically increase (cooling) or decrease (heating) the temperature by 1°C within the first two hours, and then maintain a constant temperature for the next 5 hours, after that it will switch off, which maintains both energy saving and comfort.



Multi-folding Evaporator

With heat exchange area increased, multi-folding evaporator improves heat change efficiency.



0.5W Standby

FROZZINI AC units automatically enter energy-saving standby mode, dropping from the usual consumption of 4-5 watts to 0.5 watts, thereby reducing energy consumption by more than 90%.

Features

Comfort



Independent Dehumidifying
Can effectively remove moisture from the room.



Turbo Cooling/heating
Maximizes cooling or heating output to rapidly cool or heat the room.



Cold Air Protection
This feature can prevent cold air being emitted prior to normal operation, thereby avoiding user discomfort.



Intelligent Defrost
Intelligently adjusts heating time to ensure the AC unit can enter heating mode as quickly as possible, thereby improving heat efficiency.

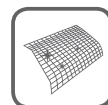


Multiple Flow Speeds
Multi-variable flow speeds, ensuring more precise control and a more comfortable breeze.



360° Three Dimensional Air Delivery
360° air swing design allows air to reach every corner of a room within a wide angle.

Health



Self-cleaning
Dust on the evaporator is removed by the fast-flowing condensation water while the clean button is pressed.

Others

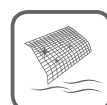


Child Lock
Remote control button, the remote cannot be operated without being unlocked, preventing use by children and accidental use.

Convenience



Easy to Clean Panel
The indoor unit panel can be detached easily for regular cleaning.



Washable Filter
Patented disassembling technology offers easier detachment, so filter mesh may be cleaned at will.



Timer Switch
24-Hour timer can be set to automatically turn the device on and off.



Self-diagnosis
Automatic detection of abnormal operation or components, fault codes will be displayed on the indoor unit.



Auto-restart
If the unit stops unexpectedly due to a power cut, the AC unit will automatically restart in the previous mode once power is restored.



LED Display
Temperature will be shown in the LED display, which is functional and aesthetic.

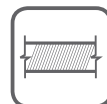


Two-way Draining Connection
Both left and right sides of the indoor unit are possible for outstretch of connective piping and drainage hose, which enables easy installation.

Energy Saving



Sleep Mode
The AC will automatically increase (cooling) or decrease (heating) the temperature by 1°C within the first two hours, and then maintain a constant temperature for the next 5 hours, after that it will switch off, which maintains both energy saving and comfort.



Inner-grooved Copper Tubes
High quality inner-grooved copper increases the surface area of the inner copper wall, significantly improving thermal conductivity (heat conductivity is 20%-30% higher than that of smooth tubes).



Multi-folding Evaporator
With heat exchange area increased, multi-folding evaporator improves heat change efficiency.

Remote Control



1 OPERATION MODE

Changes the operation mode: AUTO, COOL, DRY, HEAT, FAN.

2 AIR FLOW (OPTIONAL)

Used for selection of the left/right air flow direction, whenever pressed the in flap will swing or fix (It just works on three-dimensional air flow model).

3 SWING

Changes the flap mode: natural flow, swing or fixed wind.

4 SLEEP

Changes to SLEEP operation.

5 TURBO

Changes to TURBO operation (It does not work in AUTO, DRY, and FAN mode).

6 ON/OFF

This button, when pressed starts operation and stops when repressed.

7 FAN SPEED

Sets air rate.

8 ±

Sets room temperature.

9 TIMER

Used to set the switch-on or switch-off and the timer time.

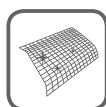
10 LAMP

Used to turn on/off LED display.

11 CLEAN

Used to start self-cleaning function.

2016 New Product



Capacity		9000BTU		12000BTU		18000BTU		24000BTU		
Model		AS09Y4M		AS12Y4M		AS18Y4M		AS24Y4M		
(Ph-V-Hz)Rated volt and frequency		1-220-240/50		1-220-240/50		1-220-240/50		1-220-240/50		
Mode		Cooling	Heating	Cooling	Heating	Cooling	Heating	Cooling	Heating	
(W)Rated capacity		9000 (6200~12000)	9000 (6200~12000)	12000 (6200~14000)	12000 (5500~14000)	18000 (6200~21000)	18000 (6200~21000)	24000 (9000~25000)	24000 (7000~26000)	
(W)Cooling power input		760	690	1080	760	1600	1400	2180	1930	
(A)Heating current input		3.8	3.5	4.9	3.5	7.2	6.4	9.4	8.3	
Working temperature		-15 to 46 degree	-15 to 24 degree	-15 to 46 degree	-15 to 24 degree	-15 to 46 degree	-15 to 24 degree	-15 to 46 degree	-15 to 24 degree	
SEER/SCOP(W/W)		5.9/A+	4.0/A+	5.9/A+	4.0/A+	6.1/A++	4.0/A+	5.6/A+	4.0/A+	
Climatic zones of heating		/	Average	/	Average	/	Average	/	Average	
(W)Design load		2500	2300	3200	2800	5100	4500	7000	6300	
T biv.(°C)Heating balance point temperature		/	-7	/	-7	/	-7	/	-7	
T ol.(°C)Heating limit operating temperature		/	-10	/	-10	/	-15	/	-15	
(W)thermostat-off mode		29		30		60		80		
(W)Stand by mode		0.5		0.5		0.5		0.5		
throttle type		capillary		capillary		capillary		capillary		
Annual Consumption Capacity(KW)		156	847	200	1032	293	1575	438	2205	
(L/h)Moisture Removal		0.95		1.2		1.86		2.56		
Compressor		Model	ASK89D53UEZ		ASK89D53UEZ		ATD141RDP8JT		ATL165SDNC9AU1	
		Type (Rotary/Piston/scroll)	Rotary		Rotary		Rotary		Rotary	
		Brand	GMCC		GMCC		HIGHLY		HIGHLY	
Indoor	Fan motor	Model	YDK-14-4		YDK-16-4 9		YDK-27-4 A6		YDK-30-4	
		power type	AC		AC		AC		AC	
		(W)Power input	33		16		56		63	
		(uF)Capacitance	1.2		1		1.8		2	
		Indoor Fan Speed RPM (High/Med/Low)	1350±30		1250/1100/850		1300/1150/1000		1350/1200/1050	
		(m³/h)Indoor Air Circulation	450		550		850		1050	
	(mm) Dimension (L*W*H)	745×250×195		780×276×202		900*292*215		1080×302×220		
	(mm)Packing (L*W*H)	835×330×278		960×367×305		983×377×300		1275×392×318		
	(Kg)Net/Gross weight	9/11		10/12		14/17		16/20		
	(dB/A)noise sound pressure level	30~38		30~39		42~46		42~48		
	(dB/A)Sound power noise	40~48		40~49		52~56		52~58		
	Outdoor	Fan motor	Model	D-280-25-8H		D-280-25-8H		DR-9538-722A		MDR-9538-901M
power type			DC		DC		DC		DC	
(W)Power input			25		25		57		100	
(uF)capacity			/		/		/		/	
Indoor Fan Speed RPM (High/Med/Low)			1150		1150		850		850	
(mm) Net Dimension (L*W*H)		715×235×540		715×235×540		850×295×605		970×395×760		
(mm) Packing Dimension (L*W*H)		851×335×600		851×335×600		995×415×690		990×410×770		
(Kg) Net/Gross weight		27/29		27/29		40/45		52/57		
(dB/A)noise sound pressure level		52		53		55		58		
(dB/A)Sound power noise		62		63		65		68		
Refrigerant type/weight		R410A/770		R410A/780		R410A/1350g		R410A/1700g		
Defrost mode		Automatic defrosting		Automatic defrosting		Automatic defrosting		Automatic defrosting		
Applicable climate types	T1		T1		T1		T1			
Refrigerant piping /Connection wiring	Liquid side/ Gas side/Length		(φ6.0+φ9.52)×3500		φ6.0+φ9.52×3500		(φ6.0+φ12)×5000		(φ9.52+φ15.88)×5000mm	
	Max. refrigerant pipe length/ Max. difference in level		15/5		15/5		15/5		15/5	
	Power cord (line numberX line diameter X length)		3×1.5mm2×2000mm		3×1.5mm2×2000mm		3×2.5mm2×2500mm		3×2.5mm2×2500mm	
	Indoor&Outdoor connecting cable (line numberX line diameter X lenath)		4×1.5mm2×4580mm		4×1.5mm2×4580mm		4×1.5mm2×6080mm		4×2.5mm×6500mm	



Model			HFC40C3A
Rated volt and frequency		Ph-V-Hz	380V/50Hz/3PH
Cooling	Cooling capacity	W	14000
	Cooling power input	W	4390
	Cooling current input	A	7.5
	EER	w/w	3.19
Heating	Heating capacity	W	15000
	Heating power input	W	4740
	Heating current input	A	8.1
	COP	w/w	3.16
Additional electrical heater power input (actual/label)		W	2500
Additional electrical heater current input(actual/label)		A	11.4
Max. input consumption		W	9500
Max. current		A	26
Compressor	Model		ATE590SC3Q9JK
	Type (Rotary,Piston,scroll)		Rotary
	Brand		HIGHLY
Indoor	Fan motor	Model	YDK-100-10B 1
		Power input	W
		capacity	uF
		Indoor Fan Speed RPM	r/min
	Indoor Air Circulation		m3/h
	Indoor Noise Level dB		dB(A)
	Dimension (L×W×H)		mm
	Packing (L×W×H)		mm
	Net/Gross weight		Kg
Outdoor	Fan motor	Model	YDK-60-6G 1
		Power input	W
		capacity	uF
		Outdoor Fan Speed RPM	r/min
	Outdoor Noise Level dB		dB(A)
	Dimension (L×W×H)		mm
	Packing (L×W×H)		mm
	Net/Gross weight		Kg
	Refrigerant type/weight		g
Refrigerant piping	Design pressure (Hi/Low)		MPa
	Liquid side/ Gas side/Length		mm
	Max. refrigerant pipe length /Max. difference in level		m

DC Inverter Light Commercial Universal Outdoor Unit



18K Btu/h



24K Btu/h



36K Btu/h



48K/60K Btu/h

4-way Cassette Unit



18k~60k Btu/h

Standard



R410A Heating Pump

Model			HOD-18DOA	HOD-24DOA	HOD-36DOA	HOD-36DOA3	HOD-48DOA	HOD-60DOA
Indoor power supply		V/Ph/Hz	220~240/1/50	220~240/1/50	220~240/1/50	380~415/3/50	380~415/3/50	380~415/3/50
Performance								
Cooling	Capacity	Btu/h	18,000	24,000	36,000	36,000	48,000	60,000
		KW	5.3(2.0-5.6)	7.0(3.5-8.0)	10.5(6.6-12.8)	10.5(6.6-12.8)	14.0(7.15-15.6)	16.0(7.8-17.5)
Heating	Capacity	Btu/h	20,000	26,000	40,000	36,000	52,000	60,000
		KW	5.9(3.0-6.0)	7.7(4.5-8.5)	11.5(7.35-13.2)	11.5(7.35-13.2)	15.2(8.0-17.2)	17.6(8.5-19.5)
Physical data								
Compressor type			DC/ Twin-rotary	DC/ Twin-rotary	DC/ Twin-rotary	DC/ Twin-rotary	DC/ Twin-rotary	DC/ Twin-rotary
Motor type			DC	DC	DC	DC	AC/DC	AC/DC
Air flow		m³/h	4000	5000	5800	5800	7200	7200
Noise Level (MAX)	Power level	dB(A)	63	67	68	68	70	70
	Pressure level		52	54	55	55	58	58
Net Dimension (W*H*D)		mm	925×700×366	958×843×392	1054x944x399	1054x944x399	950×1335×388	950×1335×388
Net Weight		kg	45	59	80	80	96	96
Packing Dimension (W*H*D)		mm	990×410×770	1025×880×430	1135×1045×465	1135×1045×465	964x1445x402	964x1445x402
Gross Weight		kg	49	69	86	85	104	104
Refrigerant type / Quantity		g	R410A/1800	R410A/2400	R410A/3700	R410A/3700	R410A/4100	R410A/4100
Piping Data								
Diameter	Liquid Side	mm	Φ6.53	Φ9.52	Φ9.52	Φ9.52	Φ9.52	Φ9.52
	Gas Side	mm	Φ12.7	Φ15.88	Φ15.88	Φ15.88	Φ15.88	Φ15.88
Max Pipe Length		m	15	20	50	50	50	50
Max Height Difference		m	8	10	20	20	20	20

R410A Heating Pump

Model			HCD-18DCA	HCD-24DCA	HCD-36DCA	HCD-48DCA	HCD-60DCA
Indoor power supply		V/Ph/Hz	220~240/1/50	220~240/1/50	220~240/1/50	220~240/1/50	220~240/1/50
Cooling	Capacity	Btu/h	18,000	24,000	36,000	48,000	60,000
		KW	5.3(2.0-5.6)	7.0(3.5-8.0)	10.5(6.6-12.8)	14.0(7.15-15.6)	16.0(7.8-17.5)
	Input	KW	1.59(0.42-1.84)	2.15(0.6-3.0)	3.27(1.05-4.6)	4.78(1.22-5.58)	5.33(1.9-6.1)
	SEER		5.6	5.6	5.1	/	/
	EER		3.33	3.26	3.21	2.93	3.0
Energy Class			A+	A+	A	A	A
Heating	Capacity	Btu/h	20,000	26,000	40,000	52,000	60,000
		KW	5.9(3.0-6.0)	7.7(4.5-8.5)	11.5(7.35-13.2)	15.2(8.0-17.2)	17.6(8.5-19.5)
	Input	KW	1.43(0.64-1.64)	2.07(1.5-2.6)	3.2(1.1-4.15)	4.23(1.2-5.28)	4.96(2.0-6.5)
	SCOP		4.0	4.0	4.0	/	/
	COP		4.12	3.72	3.59	3.59	3.55
	Energy Class		A+	A+	A+	A	A
Physical data							
Airflow (High Speed)		m³/h	900	1100	1800	1900	1900
Noise level (MAX)	Power Level	dB (A)	46-58	56-63	53-61	56-63	56-63
	Pressure Level		36-45	43-49	43-48	45-52	45-52
Net Dimension (W*H*D)	Body	mm	840×230×840	840×230×840	840×285×840	840×285×840	840×285×840
	Panel	mm	950×50×950	950×50×950	950×50×950	950×50×950	950×50×950
Net Weight	Body	kg	25	25	30.5	30.5	30.5
	Panel	kg	5.4	5.4	5.4	5.4	5.4
Packing Dimension (W*H*D)	Body	mm	920×265×920	920×265×920	920×310×920	920×310×920	920×310×920
	Panel	mm	1030×105×1030	1030×105×1030	1030×105×1030	1030×105×1030	1030×105×1030
Gross Weight	Body	kg	30	30	36	36	36
	Panel	kg	8.0	8.0	8.0	8.0	8.0
Piping Data							
Diameter	Liquid Side	mm	Φ6.53	Φ9.52	Φ9.52	Φ9.52	Φ9.52
	Gas Side	mm	Φ12.7	Φ15.88	Φ15.88	Φ15.88	Φ15.88
Drain Pipe		mm	DN25	DN25	DN25	DN25	DN25

Floor & Ceiling Unit



18K ~60K Btu/h

Standard



Low ESP Ducted Unit



18K-24K Btu/h

Standard



R410A Heating Pump

Model			HDD-18DBA	HDD-24DBA	HDD-36DBA	HDD-48DBA	HDD-60DBA	
Indoor power supply		V/Ph/Hz	220~240/1/50	220~240/1/50	220~240/1/50	220~240/1/50	220~240/1/50	
Performance								
Cooling	Capacity	Btu/h	18,000	24,000	36,000	48,000	60,000	
		KW	5.3(2.0-5.6)	7.0(3.5-8.0)	10.5(6.6-12.8)	14.0(7.15-15.6)	16.0(7.8-17.5)	
	Input	KW	1.6(0.42-1.84)	2.15(0.6-3.0)	3.27(1.05-4.6)	4.86(1.22-5.58)	5.43(1.9-6.1)	
	SEER		5.6	5.6	5.6	/	/	
	EER		3.31	3.26	3.21	2.88	2.95	
	Energy Class			A+	A+	A+	A	A
Heating	Capacity	Btu/h	20,000	26,000	40,000	52,000	60,000	
		KW	5.9(3.0-6.0)	7.7(4.5-8.5)	11.5(7.35-13.2)	15.2(8.0-17.2)	17.6(8.5-19.5)	
	Input	KW	1.39(0.64-1.64)	2.0(1.5-2.6)	3.05(1.1-4.15)	4.31(1.2-5.28)	5.06(2.0-6.5)	
	SCOP		4.0	4.0	4.0	/	/	
	COP			4.24	3.85	3.77	3.53	3.48
	Energy Class			A+	A+	A+	A	A
Physical data								
Airflow (High Speed)		m³/h	900	1150	1800	2000	2000	
Noise level (MAX)	Power Level	dB (A)	46-58	53-60	56-65	56-67	57-67	
	Pressure Level		36-47	43-49	45-51	45-52	46-52	
Net Dimension (W*H*D)		mm	1245×680×240	1245×680×240	1245×680×240	1670x680x240	1670x680x240	
Net Weight		kg	34	35	35	50	50	
Packing Dimension (W*H*D)		mm	1325×770×325	1325×770×325	1325×770×325	1750x765x330	1750x765x330	
Gross Weight		kg	40	41	41	57	57	
Piping Data								
Diameter	Liquid Side	mm	Φ6.53	Φ9.52	Φ9.52	Φ9.52	Φ9.52	
	Gas Side	mm	Φ12.7	Φ15.88	Φ15.88	Φ15.88	Φ15.88	
Drain Pipe		mm	DN25	DN25	DN25	DN25	DN25	

R410A Heating Pump

Model			HRD-18DRA	HRD-24DRA
Indoor power supply		V/Ph/Hz	220~240/1/50	220~240/1/50
Performance				
Cooling	Capacity	Btu/h	18,000	24,000
		KW	5.3(2.0-5.6)	7.0(3.5-8.0)
	Input	KW	1.59(0.42-1.84)	2.14(0.6-3.0)
	SEER		5.5	5.5
	EER		3.33	3.27
	Energy Class		A	A
Heating	Capacity	Btu/h	20,000	26,000
		KW	5.9(3.0-6.0)	7.7(4.5-8.5)
	Input	KW	1.4(0.64-1.64)	2.06(1.5-2.6)
	SCOP		3.8	.3.8
	COP		4.21	3.74
	Energy Class		A	A
Physical data				
Airflow (High Speed)		m³/h	800	1050
Stastic Pressure		Pa	0-30	0-30
Noise level (MAX)	Power Level	dB (A)	46-58	56-63
	Pressure Level		36-45	43-47
Net Dimension (W*H*D)		mm	1214×210×467	1214×210×467
Net Weight		kg	22.5	25
Packing Dimension (W*H*D)		mm	1310×240×510	1310×240×510
Gross Weight		kg	25.5	28
Piping Data				
Diameter	Liquid Side	mm	Φ6.53	Φ9.52
	Gas Side	mm	Φ12.7	Φ15.88
Drain Pipe		mm	DN25	DN25

Medium ESP Ducted Unit



Standard



36K-60K Btu/h

High ESP Ducted Type Unit



Standard



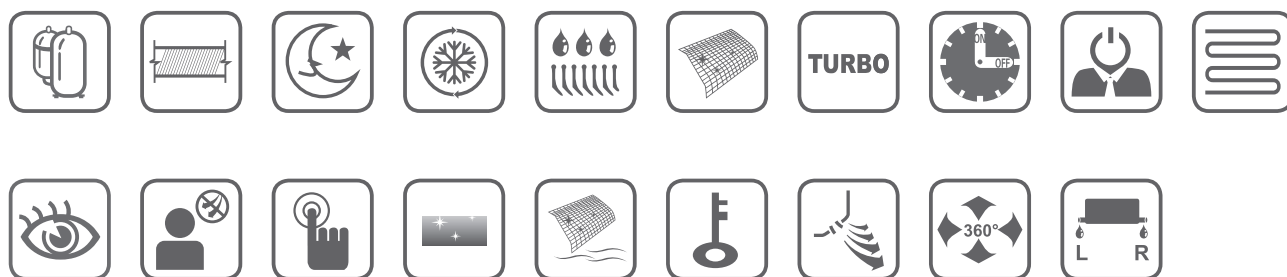
48k~60k Btu/h

R410A Heating Pump

Model			HRD-36DRA	HRD-48DRA3	HRD-60DRA3
Indoor power supply		V/Ph/Hz	220~240/1/50	220~240/1/50	220~240/1/50
Performance					
Cooling	Capacity	Btu/h	36,000	48,000	60,000
		KW	10.5(6.6-12.8)	14.0(7.15-15.6)	16.0(7.8-17.5)
	Input	KW	3.27(1.05-4.6)	4.94(1.22-5.58)	5.49(1.9-6.1)
	SEER		5.1	/	/
	EER		3.21	2.83	2.91
Energy Class			A	A	A
Heating	Capacity	Btu/h	40,000	52,000	60,000
		KW	11.5(7.35-13.2)	15.2(8.0-17.2)	17.6(8.5-19.5)
	Input	KW	3.1(1.1-4.15)	4.39(1.2-5.28)	5.12(2.0-6.5)
	SCOP		3.8	/	/
	COP		3.71	3.46	3.44
Energy Class			A	A	A
Physical data					
Airflow (High Speed)		m³/h	1800	2000	2000
Stastic Pressure		Pa	50	50	50
Noise level (MAX)	Power Level	dB (A)	55-63	55-65	55-65
	Pressure Level		42-48	40-52	40-52
Net Dimension (W*H*D)		mm	1425×260×643	1425x260x643	1425x260x643
Net Weight		kg	46	45	45
Packing Dimension (W*H*D)		mm	1490×325×720	1490x325x720	1490x325x720
Gross Weight		kg	50	50	50
Piping Data					
Diameter	Liquid Side	mm	Φ9.52	Φ9.52	Φ9.52
	Gas Side	mm	Φ15.88	Φ15.88	Φ15.88
Drain Pipe		mm	DN25	DN25	DN25

R410A Heating Pump

Model			HRD-48DRA3	HRD-60DRA3
Indoor power supply		V/Ph/Hz	220~240/1/50	220~240/1/50
Performance				
Cooling	Capacity	Btu/h	48,000	60,000
		KW	14.0(7.15-15.6)	16.0(7.8-17.5)
	Input	KW	5.1(1.22-5.58)	5.65(1.9-6.1)
	SEER		/	/
	EER		2.75	2.83
	Energy Class		A	A
Heating	Capacity	Btu/h	52,000	60,000
		KW	15.2(8.0-17.2)	17.6(8.5-19.5)
	Input	KW	4.55(1.2-5.28)	5.28(2.0-6.5)
	SCOP		/	/
	COP		3.34	3.33
	Energy Class		A	A
Physical data				
Airflow (High Speed)		m³/h	2300	2300
Stastic Pressure		Pa	120	120
Noise level (MAX)	Power Level	dB (A)	56-66	56-66
	Pressure Level		44-52	44-52
Net Dimension (W*H*D)		mm	1175x370x625	1175x370x625
Net Weight		kg	47	47
Packing Dimension (W*H*D)		mm	1245x445x655	1245x445x655
Gross Weight		kg	51	51
Piping Data				
Diameter	Liquid Side	mm	Φ9.52	Φ9.52
	Gas Side	mm	Φ15.88	Φ15.88
Drain Pipe		mm	DN25	DN25



Capacity			9000BTU	12000BTU	18000BTU	24000BTU	
Model			HCS-25C1A	HCS-32C1A	HCS-51C1A	HCS-61C1A	
energy rate			A/A	A/A	A/B	A/B	
Rated volt and frequency		Ph-V-Hz	220-240/50	220-240/50	220-240/50	220-240V/50Hz	
Cooling	Cooling capacity	W	2700	3200	5100	6400	
	Cooling power input	W	800	955	1530	1930	
	Cooling current input	A	3.6	4.4	6.6	8.6	
	EER	w/w	3.38	3.35	3.33	3.32	
Heating	Heating capacity	W	2750	3750	5500	6600	
	Heating power input	W	725	1000	1540	1880	
	Heating current input	A	3.3	4.6	6.7	8.4	
	COP	w/w	3.79	3.75	3.57	3.51	
Max. input consumption		W	1150	1700	2400	2700	
Max. current		A	5.8	7.4	12.5	14.3	
Compressor	Model		44A203BK&FJKC	ASM135V1VDZ	PA200X2CS-4KU1	PA240X2CS-4KU1	
	Type (Rotary,Piston ,scroll)		Rotary	Rotary	Rotary	Rotary	
	Brand		Rechi	GMCC	GMCC	GMCC	
Indoor	Fan motor	Model		YDK-14-4	YDK-14-4	YDK-23-4 A6	YDK-27-4 A6
		Power input	W	40	40	47	56
		capacity	uF	1.2	1.2	1.2	1.8
		Indoor Fan Speed RPM	r/min	1350	1350	1250±20rpm 1150±30rpm 950±30rpm	1300/1150/1000
	Indoor Air Circulation		m3/h	500	500	800	900
	Indoor Noise Level dB		dB(A)	30-39	32-40	37-44	42-46
	Dimension (L×W×H)		mm	745×250×195	745×250×195	900×292×215	900×292×215
	Packing (L×W×H)		mm	833×330×278	833×330×278	983×377×300	983×377×300
	Net/Gross weight		Kg	9/11	9/11	13/15	14/17
Outdoor	Fan motor	Model		YDK-30-6	YDK-35-6A H	YDK-38-6B	YDK-40-6A 1
		Power input	W	60	67	85	106
		capacity	uF	2	2	2.5	3
		Outdoor Fan Speed RPM	r/min	930/890/880	900	920	870
	Outdoor Noise Level dB		dB(A)	51	54	54	54
	Dimension (L×W×H)		mm	700×225×500	715×235×540	795×255×540	850×295×605
	Packing (L×W×H)		mm	825×320×550	851×335×600	920×335×595	995×415×690
	Net/Gross weight		Kg	25/29	28/33	38/42	45/51
	Refrigerant type/weight		g	R410A/600	R410A/790g	R410A/1500	R410A/1900
	Design pressure (Hi/Low)		MPa	4.2/1.2	3.8/1.2	4.2/1.2	4.0-1.2
Refrigerant piping		Liquid side/ Gas side/Length	mm	φ 6.0+ 9.52×3500	φ 6.35+ 9.52×3500	φ 6.0+ 12.7×4000	φ 6.0+ 12.7×4000
		Max. refrigerant pipe length /Max. difference in level	m	15/5	15/5	15/5	15/5

ON/OFF Light Commercial Universal Outdoor Unit



9K/12K/18K Btu/h



24K Btu/h



36K Btu/h



48k/60k Btu/h

4-way Cassette (Compact) Unit



12K/18K Btu/h

Standard



R410A Heating Pump

Outdoor unit		HOD-18DOA	HOD-24DOA	HOD-36DOA	HOD-36DCO3	HOD-48DOA	HOD-60DOA	
Power supply	V/Ph/Hz	220~240/1/50	220~240/1/50	220~240/1/50	380~415/3/50	380~415/3/50	380~415/3/50	
Capacity								
Cooling	Capacity	Btu/h	18000	24000	36000	36000	48000	60000
		KW	5.3	7.1	10.5	10.5	14	16
	Input	W	1900	2400	3710	3800	5000	5700
	Rated current	A	8.26	10.6	16.7	6.9	8.2	10
Heating	Capacity	Btu/h	20000	26000	39000	39000	52000	60000
		KW	5.9	7.7	11.5	11.5	15.2	16
	Input	W	1690	2100	3310	3600	5100	5800
Physical data								
Max. input consumption		W	2500	2700	4800	4900	6000	6600
Max. current		A	12.6	13.2	21.2	10.3	10.5	11.8
Starting current		A	40	49	112	48	66	70
Compressor	Type		Rotary	Rotary	Scroll	Scroll	Scroll	Scroll
	Brand		Hitachi	Hitachi	Panasonic	Panasonic	Panasonic	Panasonic
Outdoor air flow		m³/h	2800	3800	6000	6000	6100	6100
Outdoor noise level		dB(A)	53	58	65	65	60	60
Dimension(WxHxD)		mm	866×535×304	930×700×370	1070×995×400	1070×995×400	911×1335×400	911×1335×400
Packing dimension(WxHxD)		mm	920×585×335	990×770×410	1145×1120×475	1145×1120×475	964×1445×402	964×1445×402
Net/Gross weight		kg	41/43	52/56	92/100	92/100	99/110	99/110
Refrigerant type/quantity		g	R410A/1200	R410A/1800	R410A/2100	R410A/2100	R410A/3600	R410A/4000
Design pressure		MPa	4.0/1.2	4.0/1.2	4.0/1.2	4.0/1.2	4.0/1.2	4.0/1.2
Piping data								
Liquid side/Gas side		mm	Φ6.35/Φ12.7	Φ9.52/Φ15.88	Φ9.52/Φ19.05	Φ9.52/Φ19.05	Φ9.52/Φ19.05	Φ9.52/Φ19.05
Max. pipe length		m	20	20	20	20	20	20
Max. high drop		m	10	10	10	10	10	10

R410A Heating Pump

Indoor Unit		HCC-18CCAC	
Power supply		V/Ph/Hz	220~240/1/50
Capacity			
Cooling	Capacity	Btu/h	18000
		KW	5.3
	Input	W	75
	Rated curren	A	0.4
	EER	W/W	2.68
Heating	Capacity	Btu/h	20000
		KW	5.9
	Input	W	75
	Ratted curren	A	0.4
	COP	W/W	3.34
Physical data			
Indoor air flow(Hi/Med/Lo)		m³/h	700/580/480
Indoor noise level(Hi/Med/Lo)		dB(A)	48/45/43
Dimension(W×H×D)		Body(mm)	580×275×580
		Panel(mm)	650×30×650
Packing dimension(W×H×D)		Body(mm)	745×375×675
		Panel(mm)	750×95×750
Net/Gross weight		Body(Kg)	25/27
		Panel(Kg)	2.7/4.0
Refrigerant type			R410a
Piping data			
Liquid side/Gas side		mm	Φ6.35/Φ12.7
Drainag pipe		mm	DN25
Application area		m²	20-35
Stuffing Quantity(set)		40'HQ	150

4-way Cassette Unit

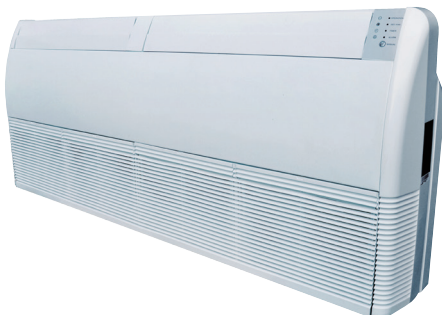


18k~60k Btu/h

Standard



Floor & Ceiling Unit



18K ~60K Btu/h

Standard



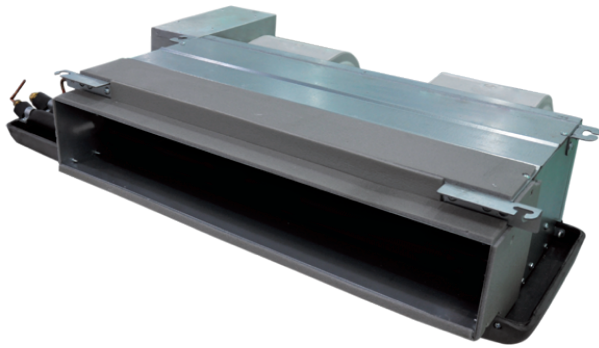
R410A Heating Pump

Indoor Unit		HCC-18CCA	HCC-24CCA	HCC-36CCA	HCC-48CCA	HCC-60CCA	
Power supply	V/Ph/Hz	220-240/1/50	220-240/1/50	220-240/1/50	220-240/1/50	220-240/1/50	
Capacity							
Cooling	Capacity	Btu/h	18000	24000	36000	48000	60000
		KW	5.3	7.1	10.5	14	16
	Input	W	65	150	160	180	180
	Rated current	A	0.4	0.7	0.8	0.8	0.8
	EER	W/W	2.70	2.78	2.71	2.70	2.72
Heating	Capacity	Btu/h	20000	26000	39000	52000	60000
		KW	5.9	7.7	11.5	15.2	16.0
	Input	W	65	150	160	180	180
	Rated current	A	0.4	0.7	0.8	0.8	0.8
	COP	W/W	3.31	3.42	3.31	2.88	2.78
Physical data							
Indoor air flow(Hi/Med/Lo)	m³/h	810/720/640	1200/1020/840	1700/1500/1300	1900/1650/1400	1900/1650/1400	
Indoor noise level(Hi/Med/Lo)	dB(A)	45/41/38	48/46/44	48/46/44	52/48/45	52/48/45	
Dimension(W×H×D)	Body(mm)	840×230×840	840×230×840	840×285×840	840×285×840	840×285×840	
	Panel(mm)	950×50×950	950×50×950	950×50×950	950×50×950	950×50×950	
Packing dimension(W×H×D)	Body(mm)	920×265×920	920×265×920	920×310×920	920×310×920	920×310×920	
	Panel(mm)	1030×105×1030	1030×105×1030	1030×105×1030	1030×105×1030	1030×105×1030	
Net/Gross weight	Body(kg)	24/29	24/29	28/33.5	28/33.5	30.5/36	
	Panel(kg)	5.4/8.0	5.4/8.0	5.4/8.0	5.4/8.0	5.4/8.0	
Refrigerant type		R410a	R410a	R410a	R410a	R410a	
Piping data							
Liquid side/Gas side	mm	Φ6.35/Φ12.7	Φ9.52/Φ15.88	Φ9.52/Φ19.05	Φ9.52/Φ19.05	Φ9.52/Φ19.05	
Drainag pipe	mm	DN25	DN25	DN25	DN25	DN25	
Application area	m²	20-35	28-50	40-70	55-95	60~105	

R410A Cooling Only

Indoor Unit			HDC-18CBA	HDC-24CBA	HDC-36CBA	HDC-48CBA	HDC-60CBA
Power supply		V/Ph/Hz	220-240/1/50	220-240/1/50	220-240/1/50	220-240/1/50	220-240/1/50
Capacity							
Cooling	Capacity	Btu/h	18000	24000	36000	48000	60000
		KW	5.3	7.1	10.5	14	16
	Input	W	130	150	300	260	260
	Rated current	A	0.3	0.7	1.4	1.15	1.15
	EER	W/W	2.61	2.78	2.62	2.66	2.68
Physical data							
Indoor air flow(Hi/Med/Lo)		m³/h	790/670/540	1300/1050/900	1700/1300/1100	2300/1900/1500	2300/1900/1500
Indoor noise level(Hi/Med/Lo)		dB(A)	52/48/44	48/43/39	52/48/44	57/52/48	57/52/48
Dimension(W×H×D)		mm	880×635×203	1245×680×247	1245×680×247	1670×680×247	1670×680×247
Packing dimension(W×H×D)		mm	970×725×301	1325×770×325	1325×770×325	1750×770×325	1750×770×325
Net/Gross weight		kg	30/35	35/41	37/43	47/54	47/54
Refrigerant type			R410a	R410a	R410a	R410a	R410a
Piping data							
Liquid side/Gas side		mm	Φ6.35/Φ12.7	Φ9.52/Φ15.88	Φ9.52/Φ19.05	Φ9.52/Φ19.05	Φ9.52/Φ19.05
Drainag pipe		mm	DN25	DN25	DN25	DN25	DN25
Application area		m²	20-35	28-50	40-70	55-95	60~105
Stuffing Quantity (Set)		40' HQ	150	95	70	60	60

Low ESP Ducted Unit



9K-24K Btu/h

Standard



Medium ESP Ducted Unit



18K-60K Btu/h

Standard



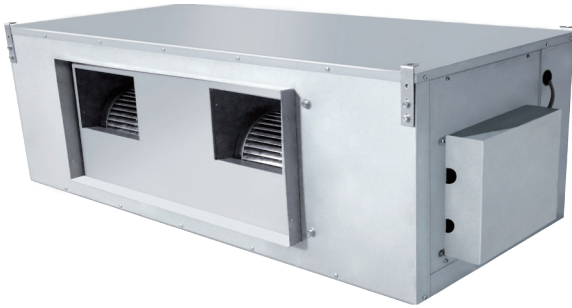
R410A Heating Pump

Indoor Unit		CTA-18HR1		CTA-24HR1	
Power supply		V/Ph/Hz		220-240/1/50	
Capacity					
Cooling	Capacity	Btu/h	18000	24000	
		KW	5.3	7.1	
	Input	W	70	150	
	Rated current	A	0.4	0.7	
	EER	W/W	2.69	2.78	
Heating	Capacity	Btu/h	20000	26000	
		KW	5.9	7.7	
	Input	W	70	150	
	Rated current	A	0.4	0.7	
	COP	W/W	3.35	3.42	
Physical data					
Indoor air flow(Hi/Med/Lo)		m³/h	730/600/500	1150/950/700	
Static Pressure		Pa	0~20	0~20	
Indoor noise level(Hi/Med/Lo)		dB(A)	46/42/37	48/42/38	
Dimension(W×H×D)		mm	1204×181×560	1532×181×560	
Packing(W×H×D)		mm	1310x250x645	1625×250×645	
Net/Gross weight		kg	20/24	24/27.5	
Refrigerant type			R410a	R410a	
Piping data					
Liquid side/Gas side		mm	Φ6.35/Φ12.7	Φ9.52/Φ15.88	
Drainag pipe		mm	DN25	DN25	
Application area		m²	20-35	28~50	
Stuffing quantity (Set)		40' HQ	130	120	

R410A Heating Pump

Indoor Unit			CTB-18HR1-B	CTB-24HR1	CTB-36HR1	CTB-48HR1	CTB-60HR1
Power supply			V/Ph/Hz	220~240/1/50	220-240/1/50	220-240/1/50	220-240/1/50
Capacity							
Cooling	Capacity	Btu/h	18000	24000	36000	48000	60000
		KW	5.3	7.1	10.5	14	16
	Input	W	250	250	300	340	340
	Rated current	A	1.1	1.1	1.4	1.6	1.6
	EER	W/W	2.47	2.68	2.62	2.56	2.65
Heating	Capacity	Btu/h	19800	26000	39000	52000	60000
		KW	5.9	7.7	11.5	15.2	16.0
	Input	W	250	250	300	340	340
	Rated current	A	1.1	1.1	1.4	1.6	1.6
	COP	W/W	3.04	3.28	3.18	2.79	2.61
Physical data							
Indoor air flow(Hi/Med/Lo)		m³/h	900/750/640	1200/980/720	1900/1600/1300	2000/1700/1400	2000/1700/1400
Static Pressure		Pa	30~70	30~70	30~70	30~70	30~70
Indoor noise level(Hi/Med/Lo)		dB(A)	48/44/40	48/44/40	50/45/40	50/45/40	50/45/40
Dimension(W×H×D)		mm	1189×260×643	1189×260×643	1425×260×643	1425×260×643	1425×260×643
Packing dimension(W×H×D)		mm	1255×325×720	1255×325×720	1490×325×720	1490×325×720	1490×325×720
Net/Gross weight		kg	33/36	33/37	44/48	44/48	44/48
Refrigerant type			R410a	R410a	R410a	R410a	R410a
Piping data							
Liquid side/Gas side		mm	Φ6.35/Φ12.7	Φ9.52/Φ15.88	Φ9.52/Φ19.05	Φ9.52/Φ19.05	Φ9.52/Φ19.05
Drainag pipe		mm	DN25	DN25	DN25	DN25	DN25
Application area		m²	20-35	28-50	40-70	55~95	60~105
Stuffing quantity (Set)		40' HQ	100	100	70	60	60

High ESP Ducted Type Unit



48k~60k Btu/h

Standard

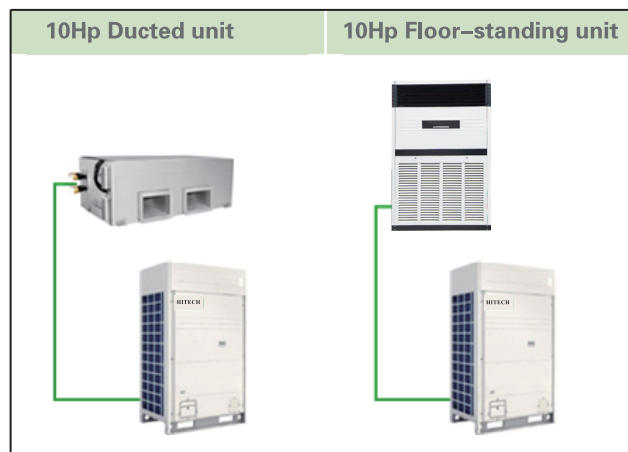


8/10HP Outdoor Unit



96K Btu/h

Matching mode



R410A Heating Pump

Indoor Unit			HRC-48CRA3H	HRC-60CRA3H
power supply		V/Ph/Hz	220-240/1/50	220-240/1/50
Capacity				
Cooling	Capacity	Btu/h	48000	60000
		KW	14	16
	Input	W	500	500
	Rated current	A	2.3	2.3
	EER	W/W	2.55	2.58
Heating	Capacity	Btu/h	52500	60000
		KW	15.2	16.0
	Input	W	500	500
	Rated current	A	2.3	2.3
	COP	W/W	2.71	2.54
Physical data				
Indoor air flow(Hi/Med/Lo)		m ³ /h	2300/1900/1500	2300/1900/1500
Static Pressure		pa	120	120
Indoor noise level(Hi/Med/Lo)		dB(A)	52/48/44	52/48/44
Dimension(WxHxD)		mm	1175x370x625	1175x370x625
Packing(WxHxD)		mm	1245×445×655	1245×445×655
Net/Gross weight		Kg	45/49	45/49
Refrigerant type			R410a	R410a
Piping data				
Liquid side/Gas side		mm	Φ9.52/Φ19.05	Φ9.52/Φ19.05
Drainage pipe		mm	DN25	DN25
Application area		m ²	55~95	60~105
Stuffing Quantity (Set)		40'HQ	57	57

R410A Heating Pump

Outdoor Unit			HOC-96CFA3
power supply		V/Ph/Hz	380-415/3/50
Capacity			
Cooling	Capacity	Btu/h	96000
		KW	28
	Input	W	9400
Heating	Capacity	Btu/h	105000
		KW	30
	Input	W	9000
Physical data			
Outdoor air flow		m ³ /h	12000
Outdoor noise level		dB(A)	63
Net dimension (WxHxD)		mm	974×1618×766
Packing dimension(WxHxD)		mm	1030×1750×825
Net weight		kg	194
Gross weight		kg	200
Refrigerant Type			R410a
Charge		g	2X5000
Piping data			
Liquid side		mm	Φ9.52X2
Gas side		mm	Φ19.05X2
Max. refrigerant pipe length		m	50
Max. difference in level		m	20
Application area		m ²	140~187

70K / 96K Btu/h

Floor-standing Indoor Unit



70k / 96k Btu/h



Standard

96K Btu/h High ESP

Ducted Indoor Unit



96K Btu/h

Standard



R410a Heating Pump

Indoor Unit		HFC-96CFA3	
Power supply		V/Ph/Hz	220~240/1/50
Capacity			
Cooling	Capacity	Btu/h	96000
		KW	28
	Input	W	740
	EER	W/W	2.76
Heating	Capacity	Btu/h	105000
		KW	30
	Input	W	740
Physical data			
Indoor air flow (Hi/Med/Lo) (0 pa)		m³/h	4000/3600/3300
Indoor noise level (Hi/Med/Lo)		dB(A)	54/50/45
Net dimension (WxHxD)		mm	1200×1855×420
Packing dimension(WxHxD)		mm	1350×1960 ×452
Net weight		kg	120
Gross weight		kg	135
refrigerant type			R410a
Piping data			
Liquid side		mm	Φ9.52X2
Gas side		mm	Φ19.05X2
Drainage pipe		mm	DN25
Application area		m²	140~187
Stuffing Quantity (Set)		40'HQ	18

R410a Heating Pump

Indoor Unit			HRC-96CRA3H
power supply			220~240/1/50
Capacity			
Cooling	Capacity	Btu/h	96000
		KW	28
	EER	W/W	2.64
Heating	Capacity	Btu/h	105000
		KW	30
	COP	W/W	2.94
Physical data			
Indoor air flow (Hi/Med/Lo)		m³/h	4400/3800/3300
Static Pressure		Pa	120
Indoor noise level(Hi/Med/Lo)		dB(A)	55/50/45
Dimension (WxHxD)		mm	1440×811×448
Packing (WxHxD)		mm	1595×855×560
Net/Gross weight		kg	100/104
Refrigerant type			R410a
Piping data			
Liquid side/ Gas side		mm	Φ9.52/Φ19.05
Ambient temp		°C	DN25
Application area		m²	140~187
Stuffing Quantity		40'HQ	47



Model			HFC-20C1A	HFC-30C3A
Rated volt and frequency		Ph-V-Hz	220V~50HZ	380-V/50Hz/3PH
Cooling	Cooling capacity	W	7600	12200
	Cooling power input	W	2405	3620
	Cooling current input	A	10.5	7.9
	EER	w/w	5.1	3.21
Heating	Heating capacity	W	8400+2100	12300+3000
	Heating power input	W	2390	3220
	Heating current input	A	10.4	7
	COP	w/w	3.8	3.62
Additional electrical heater power input (actual/label)		W	2100	3000
Additional electrical heater current input(actual/label)		A	9.5	4.6
Max. input consumption		W	7500	6500
Max. current		A	25	16.5
Compressor	Model		ATL232SDNC9AUA	ATH356SDPC9FQ
	Type (Rotary,Piston ,scroll)		Rotary	Rotary
	Brand		HIGHLY	HIGHLY
Indoor	Fan motor	Model	MDR-9538-805D	YDK-90-10G 1
		Power input	W	DC
		capacity	uF	70W/570rpm
		Indoor Fan Speed RPM	r/min	540/510/430/400
	Indoor Air Circulation		m3/h	≥ 1100
	Indoor Noise Level dB		dB(A)	42~48
	Dimension (L×W×H)		mm	520×210×1690
	Packing (L×W×H)		mm	618×460×1990
	Net/Gross weight		Kg	53/74
				59/75
Outdoor	Fan motor	Model	MDR-9538-901M	YDK-150-6H 2
		Power input	W	DC
		capacity	uF	100
		Outdoor Fan Speed RPM	r/min	850
	Outdoor Noise Level dB		dB(A)	58
	Dimension (L×W×H)		mm	870×310×700
	Packing (L×W×H)		mm	990×410×780
	Net/Gross weight		Kg	58/62
	Refrigerant type/weight		g	R410A/2290G
	Design pressure (Hi/Low)		MPa	4.2/1.3
Refrigerant piping		Liquid side/ Gas side/Length	mm	φ 6+ 12×5000
		Max. refrigerant pipe length /Max. difference in level	m	15/5

Air-cooled Modular Chiller

Features



30kW



60/65kW



130kW



HCH-WRC

Wired Controller (Optional for chiller, but one chiller system need one controller)

- 2 operation modes: Cooling, Heating
- Timer function
- Operation and error information inquiry
- Forced defrosting operation
- Button lock

Chiller Type				R410A/50Hz	
Model			HCH-30ZR1	HCH-65ZR1	HCH-130ZR1
Power supply		V/ph/Hz	380-415/3/50	380-415/3/50	380-415/3/50
Capacity					
Cooling		kW	30	65	130
Heating		kW	35	70	140
Electrical data					
Power input	Cooling	kW	11	22	44
	Heating	kW	10.5	21	42
	Max. power input	kW	15	26	52
Rated current	Cooling	A	19	38	78
	Heating	A	18	37	76
	Max. Current	A	29	51	102
Physical data					
Refrigerant	Weight	kg	6.5	6.5x2	6.5x4
	Refrigerant control		EXV+Capillary	EXV+Capillary	EXV+Capillary
	Type		R410A	R410A	R410A
Compressor	Brand		Copeland	Copeland	Copeland
	Type		Scroll	Scroll	Scroll
	Quantity	pcs	1	2	4
Fan motor	Quantity	pcs	1	2	4
	Air flow volume	m³/h	12000	24000	48000
Evaporator (Water side)	Heat-exchanger type		Shell and tube	Shell and tube	Shell and tube
	Water pressure drop	kPa	30	30	40
	Water inlet/outlet diameter	mm	DN40	DN100	DN65
	Water flow volume	m³/h	5.16	11.18	22.36
	Max. Pressure	MPa	1.1	1.1	1.1
	Connection type		Flange connection	Flange connection	Flange connection
Dimension (W×H×D)	Net	mm	1160×2090×900	2000×2090×900	2000×2090×1700
	Packing	mm	1240×2250×950	2080×2250×950	2080×2250×1740
Weight					
	Gross	kg	330	600	1120
Control type			Wired controller	Wired controller	Wired controller
Sound level(semi-anechoic)		dB(A)	62	65	68
Quantity per 20GP/40GP/40HQ		Set	10/21/21	6/12/12	3/6/6
Operation range					
Water inlet temperature	Cooling	°C	9-25	9-25	9-25
	Heating	°C	30-48	30-48	30-48
Water outlet temperature	Cooling	°C	5-20	5-20	5-20
	Heating	°C	35-53	35-53	35-53
Ambient temperature	Cooling	°C	10-46	10-46	10-46
	Heating	°C	-10-21	-10-21	-10-21

Remarks(specifications are based on the following conditions):

- 1.Cooling:water inlet/outlet:12°C / 7°C,outdoor ambient temp.of 35°C DB.
- 2.Heating:water inlet/outlet:40°C / 45°C,outdoor ambient temp. 7°C DB/6°CWB.
- 3.Water side fouling factor:0.086m²°C /kW.

4-Way Cassette



Compact 4-way Cassette Type

300~470CFM



4-way Cassette Type

600~1000CFM



300~470CFM



600~1000CFM

Wireless Controller (for cassette type FCUs)

- Wireless 8m transmission
- 5 operation modes: Auto, Cooling, Dehumidification, Heating, Fan
- Timer ON/OFF setting up to 24Hr
- Temperature control range 16~32°C
- Three fan speed selection
- Sleep mode function

FCU type		Compact 4-way Cassette Type			
Model		FHC300		FHC350	FHC470
Power supply		V/ph/Hz	220-240/1/50	220-240/1/50	220-240/1/50
Capacity					
Air-flow volume	Hi/Med/Lo	CFM	300/260/180	350/300/210	470/400/280
		m ³ /h	500/430/310	600/510/360	800/680/480
Cooling	Hi/Med/Lo	kW	2.8/2.4/1.8	3.5/3.0/2.3	4.5/3.9/2.9
Heating	Hi/Med/Lo	kW	4.2/3.7/2.7	5.3/4.6/3.4	6.8/5.9/4.4
Physical data					
Noise level (High-speed)		dB(A)	40	44	44
Water flow volume		m ³ /h	0.48	0.60	0.78
Water pressure drop		kPa	25	28	30
Indoor coil	Number Of Rows		2	2	2
	Fin type		copper tube, aluminum fin		
Fan motor	Quantity	pcs	1	1	1
	Power Input	W	43	64	65
Indoor unit	Dimension (W×H×D)	mm	580×275×580	580×275×580	580×275×580
	Packing (W×H×D)	mm	745×350×675	745×350×675	745×350×675
	Net/Gross weight	kg	22/24	22/24	22/24
panel	Dimension (W×H×D)	mm	650×30×650	650×30×650	650×30×650
	Packing (W×H×D)	mm	750×95×750	750×95×750	750×95×750
	Net/Gross weight	Kg	2.7/4.0	2.7/4.0	2.7/4.0
Pipe	Water-inlet pipe	mm	DN20	DN20	DN20
	Water-outlet pipe	mm	DN20	DN20	DN20
	Drainage pipe	mm	DN25	DN25	DN25
Controller			remote controller(standard)		

Remark:

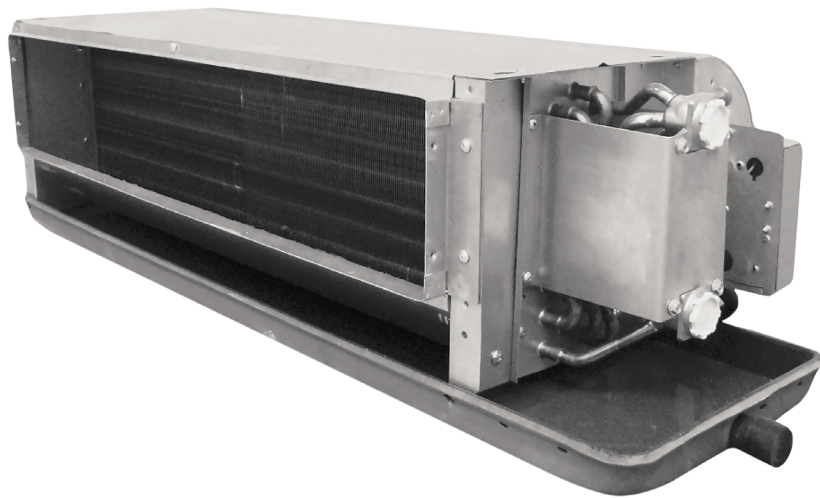
1. Cooling capacity test condition: air side temperature:27DB°C/19WB°C, water inlet temperature 7°C, water temperature difference 5°C.
2. Heating capacity test condition: air side temperature:21DB°C, ater inlet temperature 60 DB°C, water temperature difference 5°C.

FCU type			4-way Cassette Type			
Model			FHC600	FHC760	FHC880	FHC1000
Power supply		V/ph/Hz	220-240/1/50	220-240/1/50	220-240/1/50	220-240/1/50
Capacity						
Air-flow volume	Hi/Med/Lo	CFM	600/510/360	760/646/456	880/748/528	1000/850/600
		m³/h	1000/867/612	1300/1098/775	1500/1272/898	1700/1445/1020
Cooling capacity	Hi/Med/Lo	kW	5.3/4.6/3.4	7.2/6.3/4.7	8.5/7.4/5.5	10.0/8.7/6.5
Heating capacity	Hi/Med/Lo	kW	8.0/7.0/5.2	10.8/9.4/7.0	12.8/11.1/8.3	15.0/13.1/9.8
Physical data						
Noise level (High-speed)		dB(A)	43-48	44-48	45-52	45-53
Water flow volume		m³/h	1.10	1.24	1.46	1.55
Water pressure drop		kPa	36	36	38	40
Indoor coil	Number Of Rows		2	2	2	2
	Fin type		copper tube, aluminum fin			
Fan motor	Quantity	pcs	1	1	1	1
	Power Input	W	140	150	160	180
Indoor unit	Dimension (W×H×D)	mm	840×230×840	840×230×840	840×285×840	840×285×840
	Packing (W×H×D)	mm	920×265×920	920×265×920	920×310×920	920×310×920
	Net/Gross weight	kg	23/28	23/28	26/31.5	28/33.5
panel	Dimension (W×H×D)	mm	950×50×950	950×50×950	950×50×950	950×50×950
	Packing (W×H×D)	mm	1030×105×1030	1030×105×1030	1030×105×1030	1030×105×1030
	Net/Gross weight	Kg	5.4/8.0	5.4/8.0	5.4/8.0	5.4/8.0
Pipe	Water-inlet pipe	mm	DN20	DN20	DN20	DN20
	Water-outlet pipe	mm	DN20	DN20	DN20	DN20
	Drainage pipe	mm	DN25	DN25	DN25	DN25
Controller			Wired controller(optional),remote controller(standard)			

Remark:

1. Cooling capacity test condition: air side temperature:27DB°C/19WB°C, water inlet temperature 7°C, water temperature difference 5°C.
2. Heating capacity test condition: air side temperature:21DB°C, ater inlet temperature 60 DB°C, water temperature difference 5°C.

Duct Type



200~1400CFM

FCU type			Ducted type (Pro Series)								
Model NO.			FHR200	FHR300	FHR400	FHR500	FHR600	FHR800	FHR1000	FHR1200	FHR1400
Power supply	V/ph/Hz		220-240/1/50	220-240/1/50	220-240/1/50	220-240/1/50	220-240/1/50	220-240/1/50	220-240/1/50	220-240/1/50	220-240/1/50
			208-230/1/60	208-230/1/60	208-230/1/60	208-230/1/60	208-230/1/60	208-230/1/60	208-230/1/60	208-230/1/60	208-230/1/60
Capacity											
Air-flow volume	Hi/Med/Lo	CFM	200/170/120	300/250/190	400/340/250	500/410/310	600/490/370	800/680/490	1000/820/590	1200/970/780	1400/1120/840
		m³/h	340/290/210	510/420/320	680/580/420	850/700/520	1020/840/620	1360/1150/840	1700/1400/1000	2040/1650/1250	2380/2000/1480
Cooling	Hi/Med/Lo	kW	2.2/1.7/1.1	3.3/2.5/1.6	4.2/3.3/2.0	4.6/3.6/2.2	5.8/4.5/2.8	7.9/6.2/3.8	9.1/7.1/4.4	10.8/8.6/7.0	12.6/10/7.5
Heating	Hi/Med/Lo	kW	3.5/2.7/2.2	5.3/4.1/3.4	6.8/5.2/4.4	7.9/6.1/5.1	10.0/7.7/6.4	13.6/10.5/8.7	16.0/12.3/10.3	16.2/12.9/10.5	18.9/15/11.5
Physical data											
External static pressure		Pa	12	12	12	12	30	30	30	30	30
Noise level (High-speed)		dB(A)	36	37	40	43	47	47	50	51	52
Water flow volume		m³/h	0.37	0.56	0.72	0.83	1.00	1.36	1.56	1.98	2.24
Water pressure drop		kPa	14	20	22	24	34	34	40	42	50
Indoor coil	Number Of Rows		3	3	3	3	3	3	3	3	3
	Fin type		copper tube, aluminum fin								
Fan motor	Quantity	pcs	1	1	1	1	1	2	2	2	2
	Power Input	W	30	39	60	76	106	150	172	210	250
Indoor unit	Dimension (W×H×D)	mm	770×240×472	827×240×472	927×240×472	927×240×472	1140×240×472	1440×240×472	1546×240×472	1835×240×461	1835×240×461
	Packing (W×H×D)	mm	790×265×500	865×265×500	940×265×500	940×265×500	1155×265×500	1475×265×500	1565×265×500	1845×265×500	1845×265×500
Pipe	Net/Gross weight	kg	13/15	15/17	17/20	17/20	20/23	27/31	32/35	36/40	36/40
	Water-inlet pipe	mm	DN20	DN20	DN20	DN20	DN20	DN20	DN20	DN20	DN20
	Water-outlet pipe	mm	DN20	DN20	DN20	DN20	DN20	DN20	DN20	DN20	DN20
	Drainage pipe	mm	DN25	DN25	DN25	DN25	DN25	DN25	DN25	DN25	DN25

Remark:

1. All performance data above are based upon 12Pa ESP(200-500); 30Pa ESP(600-1000).
2. Cooling capacity test condition: air side temperature: 27DB ℃/19WB ℃, water inlet temperature 7 ℃, water temperature difference 5 ℃.
3. Heating capacity test condition: air side temperature: 21DB ℃, ater inlet temperature 60 DB ℃, water temperature difference 5 ℃.

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