

LIGHT COMMERCIAL AIR CONDITIONER

CH-Series



R410

T1/50Hz

Heat-Pump

DC Inverter

2023

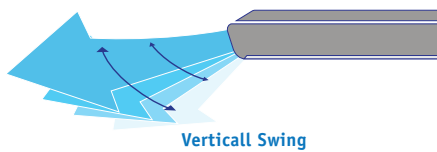
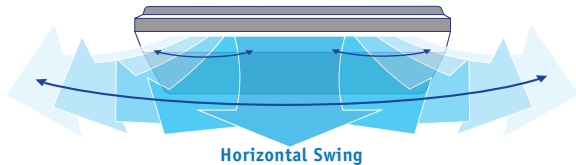


INDOOR UNIT

Ceiling Universal, R410a, T1, Heat-Pump

► 4D Air Swing.

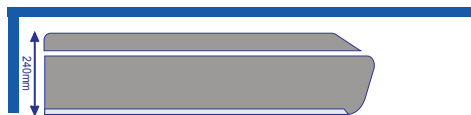
Vertical and horizontal control swing make air distribute to every corner.



A wide-angle swing together with bi-directional louver-blade swing allows the positioning of the unit airflow selected to suit the room's decor, whilst ensuring that full-room cooling and heating covered.

► Ultra Slim Design.

Body thickness is only 240mm minimized the installation space used.

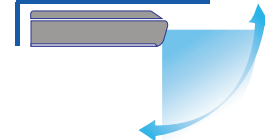


► Flexible Installation.

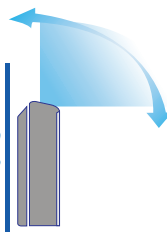
Can be vertically installed against the wall or horizontally installed under the ceiling.



Horizontally under the ceiling

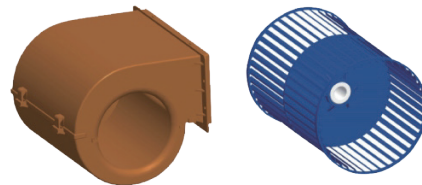


vertically against the wall



► Innovative Centrifugal Fan Design.

All unit design with 3-speed fan motor combining with an innovative centrifugal fan to produce large air flow volume with lower operation noise.



► Digital Display.

Digital display is standard, on the right side. It is more intuitive and simple, and error code can be shown in the display.





OUTDOOR UNIT

Universal Outdoor, R410a, T1, Heat-Pump



18K Btu/h

24K Btu/h

36K/48K Btu/h

60K Btu/h

► Convenient Control.

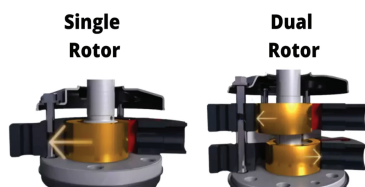
Standard wireless remote controller or wired controller. WIFI and wired controller is optional.

► Self Diagnosis Function.

Once abnormal operation or parts failure happen, the unit will monitor the failures, the microcomputer of air conditioner will switch off and protect the system automatically when it happens. Meanwhile, the

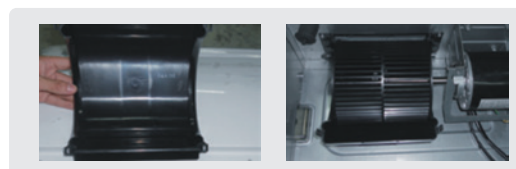
► DC Compressor.

Greatly improve the energy efficiency. High efficiency twin rotary compressor (36k~60K model)



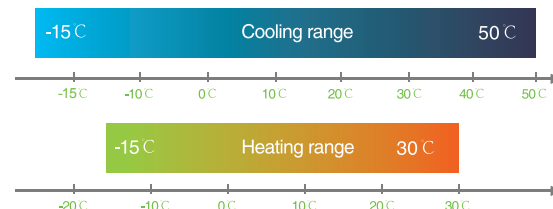
► Easy maintenance

New upper and lower buckle type wheel case, the upper wheel case can be removed alone, which is convenient to adjust the wheel motor.



► Wide Operation Range.

Wide outdoor operation range, the cooling operation temperature is down to -15 degree.



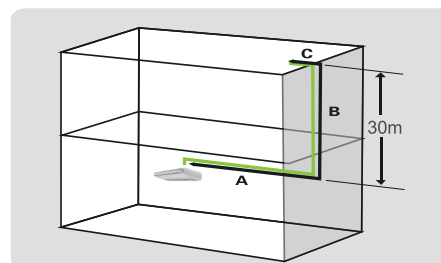
► Brand-new design

Brand-new outdoor unit design, external stop valve for easy installation and maintenance, there is also plastic cover to protect it from environmental erosion and accidental damage.



► Long Piping Capability.

Long piping design up to 65m length and 30m height difference for 36k~60k model.



Fresh Air Intake



Built-in Drain Pump



Auto Restart Function



Digital Tube Display



Hydrophilic Aluminum Fin



Intelligent Defrosting



Fast Cooling/Heating



Low Ambient Cooling



Fire-proof Electric Box



Sleep Mode



Wireless Remote Control



Wired Control

■ optional ■ standard



SPECIFICATION

Universal Outdoor, R410a, T1, Heat-Pump

a. Indoor Unit

R410a Heat Pump

Model Number		KDCX-H185MAA	KDCX-H245MAA	KDCX-H365MAA	KDCX-H485MAA	KDCX-H605MAA
Power supply	V/N/Hz	220-240/1/50	220-240/1/50	220-240/1/50	220-240/1/50	220-240/1/50
Cooling capacity	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)
Heating capacity	kW	5.3 (2.5-6.0)	7.0 (4.5-8.5)	10.5 (7.35-13.2)	14.0 (8.0-17.2)	17.6 (8.5-19.5)
Indoor air flow(high speed)	m ³ /h	1100	1200	1600	2100	2100
Indoor noise level	dB(A)	49-53	48-52	51-57	46-55	46-55
Dimension(WxHxD)	mm	1050×675×235	1050×675×235	1250×675×235	1670×675×235	1670×675×235
Packing(WxHxD)	mm	1130×765×330	1130×765×330	1380×765×325	1750×765×325	1750×765×325
Net/Gross weight	kg	26.5/31	26.5/31	32/37	40/46	40/46
Refrigerant liquid/gas side	mm	Φ6.35/ Φ12.7	Φ9.52/ Φ15.88	Φ9.52/ Φ15.88	Φ9.52/ Φ15.88	Φ9.52/ Φ15.88
Drainage pipe	mm	DN25	DN25	DN25	DN25	DN25

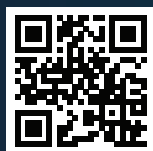
b. Outdoor Unit

R410a Heat Pump

Model Number			KDOX -H185MDA	KDOX -H245MDA	KDOX -H365MDA	KDOX -H365QDA	KDOX -H485MDA	KDOX -H485QDA	KDOX -H605QDA
Power supply		V/N/Hz	220-240/1/50	220-240/1/50	220-240/1/50	380~415/3/50	220-240/1/50	380~415/3/50	380~415/3/50
Cooling capacity		kW	5.3	7.0	10.5	10.5	14.0	14.0	16.0
Heating capacity		kW	5.3	7.0	10.5	10.5	14.0	14.0	17.6
Max. input consumption		W	2200	3220	3800	3800	4900	4900	6400
Max. current		A	9.6	14.0	16.5	6.0	21.3	7.7	11.5
Compressor			DC/Rotary	DC/Rotary	DC/Twin-rotary	DC/Twin-rotary	DC/Twin-rotary	DC/Twin-rotary	DC/Twin-rotary
Outdoor noise level		dB(A)	≤ 51	≤53	≤57	≤ 57	≤ 58	≤ 58	≤ 58
Outdoor unit	Net(WxHxD)	mm	804×304×496	880×345×555	1032×445×807	1032×445×807	1032×445×807	1032×445×807	985×400×1335
	Packing(WxHxD)	mm	850×350×550	915×380×605	1075×495×875	1075×495×875	1075×495×875	1075×495×875	1010×415×1445
	Net/Gross weight	kg	28.2/30.0	34.2/36.7	60.5/64.5	60.5/64.5	66.5/70.5	67.3/70.6	80.0/90.0
Refrigerant type/quantity		g	R410A/1400	R410A/1600	R410A/2300	R410A/2300	R410A/3250	R410A/3250	R410A/3400
Refrigerant piping	Liquid/Gas side	mm	Φ6.35/ Φ12.7	Φ9.52/ Φ15.88	Φ9.52/ Φ15.88	Φ9.52/ Φ15.88	Φ9.52/ Φ15.88	Φ9.52/ Φ15.88	Φ9.52/ Φ15.88
	Max.pipe length	m	15	20	50	50	50	50	50
	Max.high drop	m	8	10	20	20	20	20	20
Ambient temp.	Cooling	℃	-15~50	-15~50	-15~50	-15~50	-15~50	-15~50	-15~50
	Heating	℃	-15~30	-15~30	-15~30	-15~30	-15~30	-15~30	-15~30

Note

- 1.The cooling condition T1 condition: indoor side 27°C(80.6°F) DB, 19°C(60°F) WB, outdoor side 35°C(95°F) DB.
- 2.The heating condition: indoor side 20°C(68°F) DB, 15°C(44.6°F) WB, outdoor side 7°C(42.8°F) DB.
- 3.Sound level: measured at a point 1m in front of the unit at a height of 1.3m. During actual operation, these values are normally somewhat higher as a result of ambient conditions.
- 4.The above data may be changed without notice for future improvement on quality and performance.



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