

# LIGHT COMMERCIAL AIR CONDITIONER

## CH-Series

R410a

T1/50Hz

Cooling Only

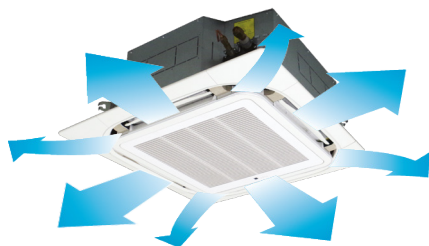


# 360° CASSETTE

## MAIN FEATURES

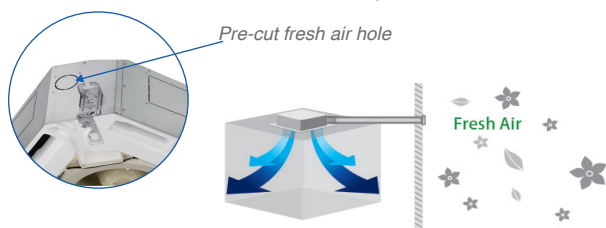
### ► 360° Panel.

Design with 360° air discharge, large corner airflow outlet with an auto air swing function to provide smooth and high discharge airflow. Aerodynamic turbo fan enhances strong airflow for better air circulation and air distribution.



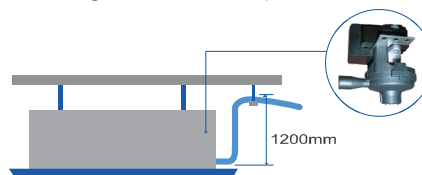
### ► Fresh Air Intake

Fresh air makes indoor air more healthy, fresh and comfortable.



### ► Built-in Drain Pump

All units come with standard built-in drain pump that can lift drain water to 1.2m height from the drain pan.



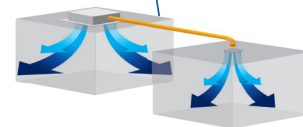
### ► Fire Proof Electrical Box

Fireproof electrical box enhances electrical safety and designed with maintenance-friendly.



### ► Pre-cut Extended Duct Hole

Cold air can be duct to any corner for better and flexible air distribution.



	Remote Control		Built-in Drain Pump		Auto Restart Function		Digital Tube Display		Hydrophilic Aluminum Fin		Fast Cooling/Heating
	Fresh Air Intake		Low Ambient Cooling		Fire-proof Electric Box		Wired Control		Central Control		WIFI Control

■ optional ■ standard

Model		Indoor	KDT-C185MAA	KDT-C245MAA	KDT-C305MAA	KDT-C365MAA	KDT-C485MAA	KDT-C605MAA
Power Supply		V~/Ph/Hz	220~240/1/50					
Cooling Performance		Btu/h	18000	24000	30000	36000	48000	60000
		kW	5.28	7.03	8.79	10.55	14.07	17.58
Indoor Unit Body	Controller	Type	Standard Wireless Remote controller (Wired Type - Optional)					
	Air Flow, High speed	cfm/cmh	590/1000	705/1200	880/1500	880/1500	1060/1800	1180/2000
	Noise Level, Hi/Lo Speed	dB(A)±3	45/38	46/38	48/39	48/39	51/45	51/45
	Net Dimension, WxDxH	mm±5	840x840x230	840x840x230	840x840x230	840x840x230	840x840x285	840x840x285
	Packing Dimension, WxDxH	mm±5	920x920x265	920x920x265	920x920x265	920x920x265	920x920x310	920x920x310
	Net/Gross Weight	Kg±0.5	24/29	24/29	24/29	24/29	28/33.5	28/33.5
Front Panel	Net Dimension, WxDxH	mm±5	950x950x50	950x950x50	950x950x50	950x950x50	950x950x50	950x950x50
	Packing Dimension, WxDxH	mm±5	1030x1030x100	1030x1030x100	1030x1030x100	1030x1030x100	1030x1030x100	1030x1030x100
	Net/Gross Weight	Kg±0.5	6.5/9.5	6.5/9.5	6.5/9.5	6.5/9.5	6.5/9.5	6.5/9.5
Liquid Pipe Size		mm,in	6.35, 1/4"	9.52, 3/8"	9.52, 3/8"	9.52, 3/8"	9.52, 3/8"	9.52, 3/8"
Gas Pipe Size		mm,in	12.7, 1/2"	15.88, 5/8"	15.88, 5/8"	19.05, 3/4"	19.05, 3/4"	19.05, 3/4"
Drain Pipe Size		DN	25	25	25	25	25	25
Operation temp		°C	16~32					

#### Notes:

- The above design and specification are subject to change prior notice for product improvement.
- Cooling conditions: Indoor air temperature 27°C DB/19°C WB, Outdoor air temperature 35°C DB/24°C WB
- Noise is tested in a full-anechoic test room.

# CEILING UNIVERSAL

## MAIN FEATURES

### ► 4D Air Swing

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



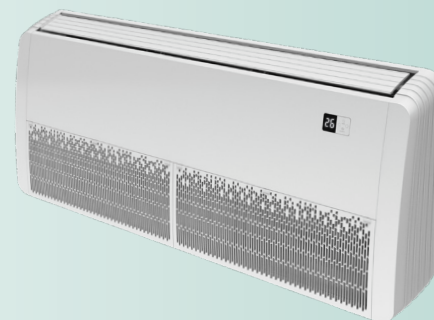
### ► Ultra Slim Design

Body thickness from 235mm to 285mm can minimize the installation space.



### ► Innovative Centrifugal Fan Design

By applying 3-speed fan motor and combining with the innovative centrifugal fan can produce large airflow volume and low operation noise.



### ► Flexible Installation

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



Remote Control



3D Air Flow



Auto Restart Function



Long-term Filter



Hydrophilic Aluminum Fin



Fast Cooling/Heating



Low Ambient Cooling



Wired Control



Central Control



WIFI Control

■ optional ■ standard

Model	Indoor	KDC-C185MAA	KDC-C245MAA	KDC-C305MAA	KDC-C365MAA	KDC-C485MAA	KDC-C605MAA
Power Supply	V~/Ph/Hz	220~240/1/50					
Cooling Performance	Btu/h	18000	24000	30000	36000	48000	60000
	kW	5.28	7.03	8.79	10.55	14.07	17.58
Controller	Type	Standard Wireless Remote controller (Wired Type - Optional)					
Air Flow, High speed	cfm/cmh	705/1200	705/1200	1000/1700	1000/1700	1350/2300	1350/2300
Noise Level, Hi/Lo Speed	dB(A)±3	52/44	52/44	53/45	53/45	57/51	57/51
Net Dimension, WxDxH	mm±5	1050×675×235	1050×675×235	1300×675×235	1300×675×235	1670×675×235	1670×675×235
Packing Dimension, WxDxH	mm±5	1380×765×325	1380×765×325	1380×765×325	1380×765×325	1750×770×325	1750×770×325
Net/Gross Weight	Kg±0.5	25/30	26.5/31	40/50	40/50	40.5/46.5	40.5/46.5
Liquid Pipe Size	mm,in	6.35, 1/4"	9.52, 3/8"	9.52, 3/8"	9.52, 3/8"	9.52, 3/8"	9.52, 3/8"
Gas Pipe Size	mm,in	12.7, 1/2"	15.88, 5/8"	15.88, 5/8"	19.05, 3/4"	19.05, 3/4"	19.05, 3/4"
Drain Pipe Size	DN	25	25	25	25	25	25
Operation temp	°C	16~32					

#### Notes:

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- Cooling conditions: Indoor air temperature 27°C DB/19°C WB, Outdoor air temperature 35°C DB/24°C WB
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- Model Number, "C" - For cooling only "H" for Heatpump
- Mark "\*\*\*" Available for cooling model only
- Mark "\*\*\*\*" Available for heat pump model only

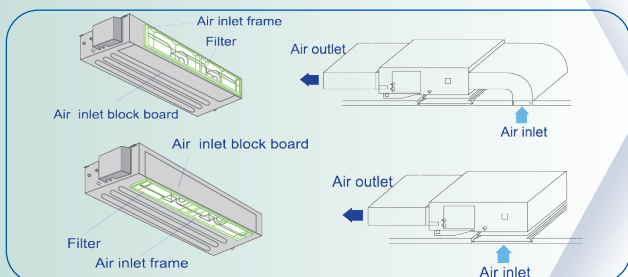


# DUCTED

## MAIN FEATURES

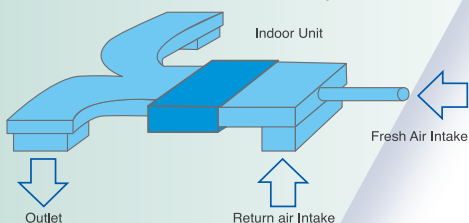
### ►Flexible Installation

Air intake from rear side is standard. We also provide the option to have air intake from the bottom side for 18,000 to 36000Btu/h model. The size of the plate from the bottom side is the same as the flange from the backside, makes it convenient to change according to different decoration



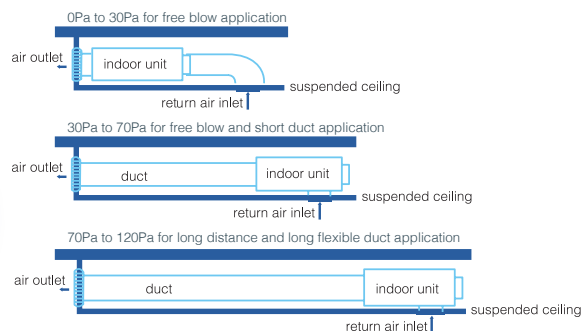
### ►Fresh Air Intake

Fresh air makes indoor air more healthy, fresh and comfortable.



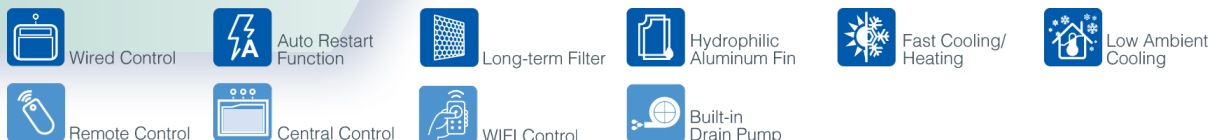
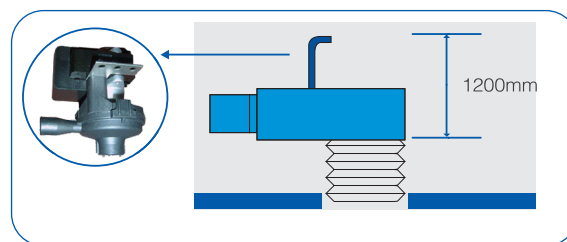
### ►Optional ESP

0Pa to 120Pa ESP is option base on model selection.



### ►Built-in Drain Pump (Optional)

All unit comes with "optional" built-in drain pump that can lift drain water to 1.2m height from the drain pan.



■ optional ■ standard

Model	Indoor	KDL-C185MAA	KDL-C245MAA	KDM-C305MAA	KDM-C365MAA	KDH-C485MAA	KDH-C605MAA
Power Supply	V~/Ph/Hz	220~240/1/50					
Cooling Performance	Btu/h	18000	24000	30000	36000	48000	60000
	kW	5.28	7.03	8.79	10.55	14.07	17.58
Controller	Type	Standard Wired Remote controller (Wireless Type - Optional)					
Air Flow, High speed	cfm/cmh	530/900	650/1100	880/1500	880/1500	1350/2300	1350/2300
ESP Rated (Range)	Pa (Pa)	30 (0~30)		50 (30~70)		100 (70~120)	
Noise Level, Hi/Lo Speed	dB(A)±3	46/37	47/38	48/40	48/40	52/44	52/44
Net Dimension, WxDxH	mm±5	1015×210×467	1215×210×467	1190×260×643	1190×260×643	1175×370×625	1175×370×621
Packing Dimension, WxDxH	mm±5	1110×240×510	1310×240×510	1255×325×720	1255×325×720	1245×445×655	1245×445×655
Net/Gross Weight	Kg±0.5	21/25	27/30.5	33/37	33/37	45/49	45/49
Liquid Pipe Size	mm,in	6.35, 1/4"	9.52, 3/8"	9.52, 3/8"	9.52, 3/8"	9.52, 3/8"	9.52, 3/8"
Gas Pipe Size	mm,in	12.7, 1/2"	15.88, 5/8"	15.88, 5/8"	19.05, 3/4"	19.05, 3/4"	19.05, 3/4"
Drain Pipe Size	DN	25	25	25	25	25	25
Operation temp	°C	16~32					

#### Notes:

- The above design and specification are subject to change prior notice for product improvement.
- Cooling conditions: Indoor air temperature 27°C DB/19°C WB, Outdoor air temperature 35°C DB/24°C WB
- Noise is tested in a full-anechoic test room.

# UNIVERSAL OUTDOOR LCAC, R410a

## MAIN FEATURES

### ► Universal Design

Easy match with any LCAC indoor unit even with a different brand and different cooling application within the outdoor unit performance and operating range.

### ► Environment Friendly Refrigerant



### ► Multiple Protection

With Multiple Protection contents: High/Low-pressure protection, Compressor overload, High discharged temperature and Phase protection (Phase-loss, phase- reverse), etc. to make sure compressor run in the designed operating range. This option is available for the selected model and features.

### ► Double Anti-Corrosion coating technology.

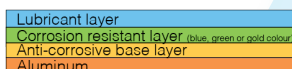
Galvanized metal with thick powder coating spraying technology can improve the anti-corrosion ability of the outdoor units housing three time more.

The condenser with the treated aluminium fin increased durability and resistance to the salt, corrosion and atmospheric pollution.

Bare fin



Treated fin

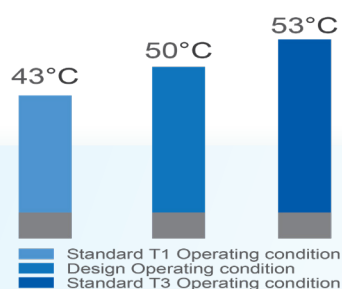


### ► Maintenance friendly

Removable front service panel making maintenance convenient.

### ► High Outdoor Ambient Operation Temperature

Excellent performance even under ambient temperature 50°C, suitable for extreme T1 operating condition. The unit designed in between T1 and T3 standard maximum operating temperature.



Model	Outdoor	KDO-C185MAA	KDO-C245MAA	KDO-C305MAA	KDO-C365QAA	KDO-C485QAA	KDO-C605QAA
Outdoor 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
Cooling Performance	Btu/h	18000	24000	30000	36000	48000	60000
	KW	5.28	7.03	8.79	10.55	14.07	17.58
Input Power	W	1900	2400	3100	3800	5000	5700
Running Current	A	8.26	10.6	13.9	6.9	8.2	10
Max. input consumption	W	2500	3300	4000	4900	6000	6600
Max. current	A	12.6	10.6	13.9	7.7	8.2	11.8
Controll Type	Type	Control and Active Signal from Indoor Unit			Control and Active Signal from Indoor Unit, Phase Protector		
Air Flow, High speed	cfm/cmh	1300/2200	2000/3400	2240/3800	2240/3800	3590/6100	3590/6100
Noise Level	dB(A)±3	55	56	58	58	60	60
Net Dimension, WxDxH	mm±5	850x345x555	914x382x702	930x370x700	1015x445x810	911x400x1330	911x400x1330
Packing Dimension, WxDxH	mm±5	915x380x600	975x435x770	990x410x770	1075x495x875	964x402x1445	964x402x1445
Net/Gross Weight	Kg±0.5	36/38.5	48/51	55/59	63/68	80/89	87.5/97.5
Refrigerant piping	Liquid Pipe Size	mm,in	6.35, 1/4"	9.52, 3/8"	9.52, 3/8"	9.52, 3/8"	9.52, 3/8"
	Gas Pipe Size	mm,in	12.7, 1/2"	15.88, 5/8"	15.88, 5/8"	19.05, 3/4"	19.05, 3/4"
	Max. pipe length	m	15	20	20	20	20
	Max. high drop	m	8	10	10	10	10
Operation temp	°C	18 ~ 50					

Notes:

1. The above design and specification are subject to change prior notice for product improvement.

2. Cooling conditions: Indoor air temperature 27°C DB/19°C WB, Outdoor air temperature 35°C DB/24°C WB

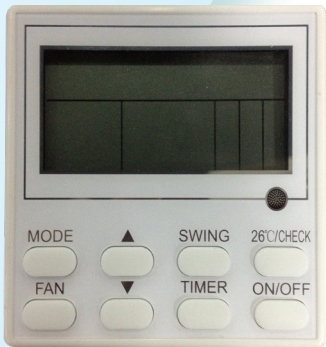
3. Noise is tested in a full-anechoic test room.

# REMOTE CONTROLLER



►Wireless Remote Controller

Standard for Cassette and Ceiling Universal model. Optional for Ducted model.



Standard Controller

►Wired Remote Controller

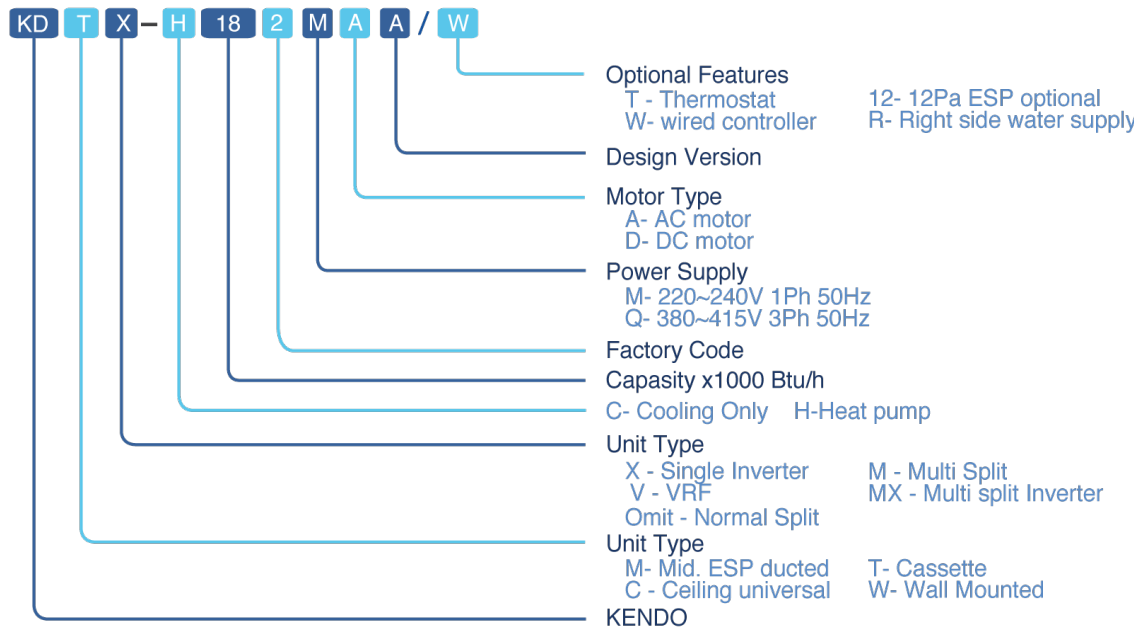
Standard for Ducted model.  
Optional for Cassette and Ceiling Universal model.



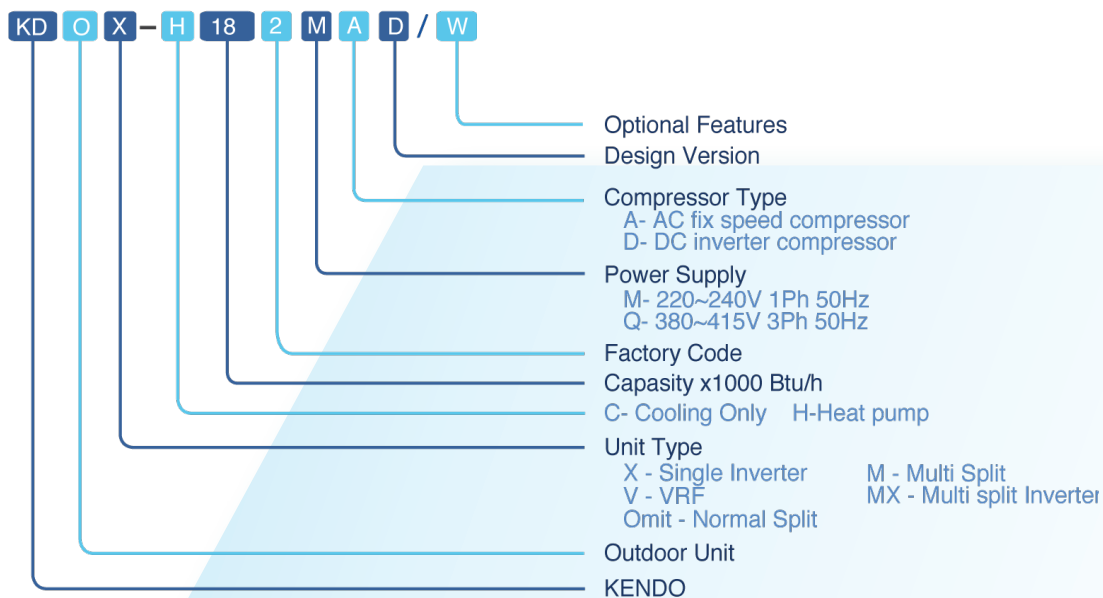
Touch Pad Controller  
(Optional)

# NOMENCLATURE

## Indoor Unit Nomenclature



## Outdoor Unit Nomenclature





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