

# LIGHT COMMERCIAL AIR CONDITIONER

*Universal Outdoor Series*

R410a

T1/50Hz



# 360° CASSETTE

## MAIN FEATURES

### ► 360° Panel.

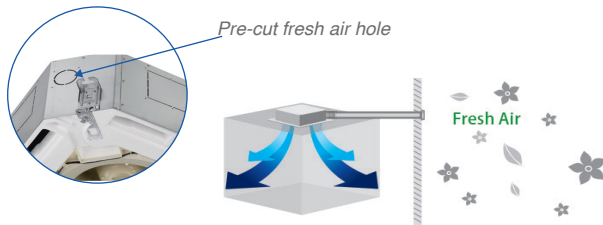
Designed with 360° air discharge, large corner air flow outlet with auto air swing function to provide smooth and high discharge air flow.

Aerodynamic turbo fan enhance strong air flow for better air circulation and air distribution.



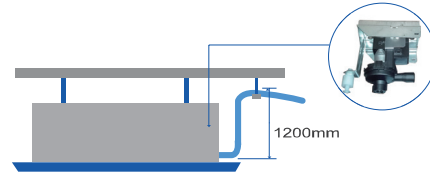
### ► Fresh Air Intake

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 up to 1.2m height from the drain pan.



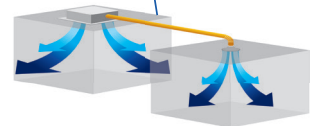
### ► Fire Proof Electrical Box

Fire proof electrical box enhance electrical safety and designed with maintenance friendly.



### ► Pre-cut Extended Duct Hole

Cool 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		Intelligent Defrosting		Fast Cooling/Heating
	Fresh Air Intake		Low Ambient Cooling		Fire-proof Electric Box		Wired Control		Central Control		WIFI Control		

Model Number		Indoor Outdoor	**KDT-H182MAB KDO-H182MAA	*KDT-C182MAA KDO-C182MAA	KDT-C(H)242MAA KDO-C(H)242MAA	**KDT-H362MAA KDO-H362MAA	KDT-C(H)362MAA KDO-C(H)362QAA	KDT-C(H)482MAA KDO-C(H)482QAA	KDT-C(H)602MAA KDO-C(H)602QAA
Power Supply		V~,Hz,Ph	220-240V,50Hz,1				380-415V ,50Hz,3		
Cooling	Capacity	Btu/h	18,000	18,000	24,000	36,000	36,000	48,000	60,000
		kW	5.28	5.28	7.03	10.55	10.55	14.07	17.58
	Rated Power Input	kW	1.76	1.76	2.39	3.77	3.77	4.87	5.71
	Rated Current	A	8.08	8.00	11.06	17.30	6.76	8.88	10.42
	E.E.R	Btu/Wh	10.23	10.23	10.04	9.55	9.55	9.86	10.51
Heating	Capacity	Btu/h	20,000	/	27,500	40,000	40,000	53,000	63,500
		kW	5.86	/	8.06	11.72	11.72	15.53	18.61
	Rated Power Input	kW	1.80	/	2.50	3.50	3.50	5.13	6.00
	Rated Current	A	8.27	/	11.59	16.60	6.28	9.39	10.88
	C.O.P	W/W	3.26	/	3.22	3.35	3.35	3.03	3.10
Indoor Unit	Controller	Type	Wireless Remote (Wired Controller- Optional)						
	Air Flow	CFM/CMH	470/800	650/1,100	765/1,300	880/1,500	880/1,500	1,060/1,800	1,206/2,050
	Noise Level (Hi/Lo)	dB(A)±3	45/36	45/36	45/36	48/39	48/39	50/41	51/42
	Net Dimension (WxDxH)	mm±5	570 x 570 x 260	835 x 835 x 250	835 x 835 x 250	835 x 835 x 250	835 x 835 x 250	835 x 835 x 290	835 x 835 x 290
	Packing Dimension	mm±5	650 x 650 x 290	910 x 910 x 310	910 x 910 x 310	910 x 910 x 310	910 x 910 x 310	910 x 910 x 350	910 x 910 x 350
	Weight (Net/Gross)	kg±0.5	18/21	24/27.5	24/27.5	24/27.5	24/27.5	26.5/30.5	26.5/30.5
Panel	Net Dimension (WxDxH)	mm±5	650 x 650 x 55	950 x 950 x 55	950 x 950 x 55	950 x 950 x 55	950 x 950 x 55	950 x 950 x 55	950 x 950 x 55
	Packing Dimension	mm±5	710 x 710 x 80	1,000 x 1,000 x 100	1,000 x 1,000 x 100	1,000 x 1,000 x 100	1,000 x 1,000 x 100	1,000 x 1,000 x 100	1,000 x 1,000 x 100
	Weight (Net/Gross)	kg±0.5	3/5	5/7	5/7	5/7	5/7	5/7	5/7
Outdoor Unit	Compressor	Type	Rotary				Twin Rotary		
	Refrigerant/Flow Control	Type	R410a / Outdoor Capillary Tube						
	Noise Level	dB(A)±3	55	55	60	60	60	62	62
	Net Dimension (WxDxH)	mm±5	800 x 315 x 545	800 x 315 x 545	825 x 310 x 655	970 x 395 x 805	970 x 395 x 805	940 x 370 x 1,325	940 x 370 x 1,325
	Packing Dimension	mm±5	920 x 400 x 620	920 x 400 x 620	945 x 435 x 725	1,105 x 495 x 895	1,105 x 495 x 895	1,080 x 430 x 1,440	1,080 x 430 x 1,440
	Weight (Net/Gross)	kg±0.5	36/39	36/39	45/49	68/72	68.5/72.5	95/106	104/109
	Connection	Liquid	mm, in	6.35, 1/4"	6.35, 1/4"	9.52, 3/8"	9.52, 3/8"	9.52, 3/8"	9.52, 3/8"
Pipe Size	Gas	mm, in	12.7, 1/2"	12.7, 1/2"	15.87, 5/8"	15.87, 5/8"	15.87, 5/8"	19.05, 3/4"	

#### 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
- Heating conditions: Indoor air temperature 20°C DB, Outdoor air temperature 7°C DB/6°C WB
- Noise is tested in a full-anechoic test room.
- Model Number, "C" - For cooling only "H" for Heatpump
- Mark "\*" Available for cooling model only
- Mark "\*\*\*\*" Available for heat pump model only

# CEILING UNIVERSAL

## MAIN FEATURES

### ► 4D Air Swing

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



### ► Ultra Slim Design

Body thickness only 205mm, minimize the installation space.



### ► Innovative Centrifugal Fan Design

By applying 3 speed fan motor and combining with innovative centrifugal fan to produce large air flow volume with lower operation noise.



### ► Flexible Installation

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



■ optional ■ standard

Model Number		Indoor Outdoor	KDC-C(H)182MAA KDO-C(H)182MAA	KDC-C(H)242MAA KDO-C(H)242MAA	**KDC-H362MAA KDO-H362MAA	KDC-C(H)362MAA KDO-C(H)362QAA	KDC-C(H)482MAA KDO-C(H)482QAA	KDC-C(H)602MAA KDO-C(H)602QAA
Power Supply		V~,Hz,Ph	220-240V,50Hz,1			380-415V ,50Hz,3		
Cooling	Capacity	Btu/h	18,000	24,000	36,000	36,000	48,000	60,000
		kW	5.28	7.03	10.55	10.55	14.07	17.58
	Rated Power Input	kW	1.72	2.35	3.70	3.77	4.87	5.71
	Rated Current	A	7.90	10.09	17.30	6.76	8.80	10.42
	E.E.R	Btu/Wh	10.47	10.21	9.73	9.55	9.86	10.51
Heating	Capacity	Btu/h	20,000	27,500	39,000	40,000	53,000	63,500
		kW	5.86	8.06	11.43	11.72	15.53	18.61
	Rated Power Input	kW	1.77	2.40	3.59	3.50	5.13	6.00
	Rated Current	A	8.22	10.89	16.60	6.28	9.33	10.88
	C.O.P	W/W	3.31	3.36	3.18	3.35	3.03	3.10
Indoor Unit	Controller	Type	Wireless Remote (Wired Controller- Optional)					
	Air Flow	CFM/CMH	500/850	700/1,200	880/1,500	880/1,500	1,060/1,800	1,180/2,000
	Noise Level (Hi/Lo)	dB(A)±3	43/34	46/38	50/41	50/41	51/42	51/42
	Net Dimension (WxDxH)	mm±5	929 x 660 x 205	1,280 x 660 x 205	1,280 x 660 x 205	1,280 x 660 x 205	1,631 x 660 x 205	1,631 x 660 x 205
	Packing Dimension	mm±5	1,010 x 720 x 290	1,360 x 720 x 290	1,360 x 720 x 290	1,360 x 720 x 290	1,710 x 720 x 290	1,710 x 720 x 290
	Weight (Net/Gross)	kg±0.5	25/28	32/37	33/40	44/40	44/52	44/52
Outdoor Unit	Compressor	Type	Rotary			Twin Rotary		
	Refrigerant/Flow Control	Type	R410a / Outdoor Capillary Tube					
	Noise Level	dB(A)±3	55	60	60	60	62	62
	Net Dimension (WxDxH)	mm±5	800 x 315 x 545	825 x 315 x 655	970 x 395 x 805	970 x 395 x 805	940 x 370 x 1,325	940 x 370 x 1,325
	Packing Dimension	mm±5	920 x 400 x 620	945 x 435 x 725	1,105 x 495 x 895	1,105 x 495 x 895	1,080 x 430 x 1,440	1,080 x 430 x 1,440
	Weight (Net/Gross)	kg±0.5	36/39	45/49	68/72	68.5/72.5	95/106	104/109
Connection	Liquid	mm, in	6.35, 1/4"	9.52, 3/8"	9.52, 3/8"	9.52, 3/8"	9.52, 3/8"	
Pipe Size	Gas	mm, in	12.7, 1/2"	15.87, 5/8"	15.87, 5/8"	15.87, 5/8"	19.05, 3/4"	19.05, 3/4"

#### 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
- Heating conditions: Indoor air temperature 20°C DB, Outdoor air temperature 7°C DB/6°C WB
- Noise is tested in a full-anechoic test room.
- Model Number, "C" - For cooling only "H" for Heatpump
- Mark "\*\*\*" Available for cooling model only
- Mark "\*\*\*\*" Available for heat pump model only

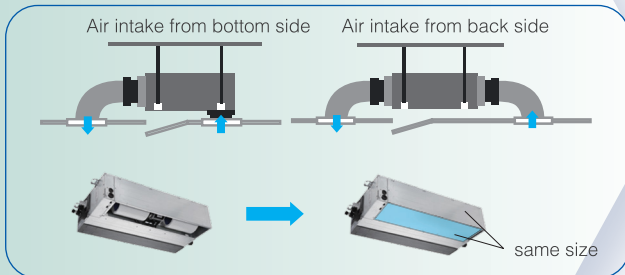


# MID ESP DUCT

## MAIN FEATURES

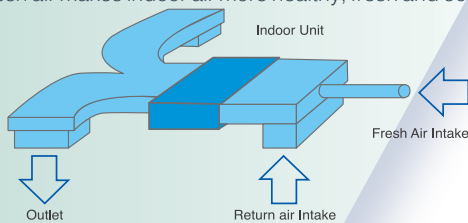
### Flexible Installation

Air intake from rear side is standard. We also provide option to have air intake from bottom side. The size of plate from bottom side is the same as the flange from back side, makes it convenient to change according to different decoration requirement.



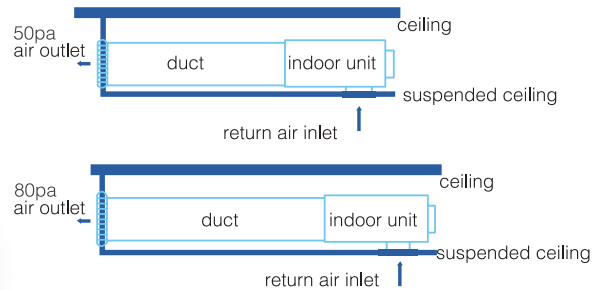
### Fresh Air Intake

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



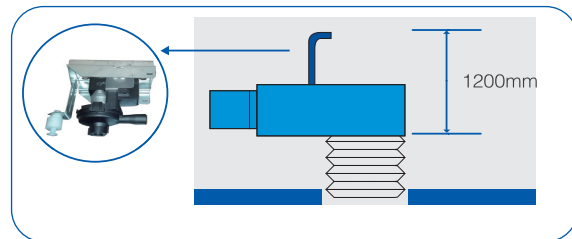
### Optional ESP

50Pa and 80Pa can be freely chosen.



### Built-in Drain Pump (Optional)

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



Model Number		Indoor Outdoor	KDM-C(H)182MAA/K KDO-C(H)182MAA	KDM-C(H)242MAA/K KDO-C(H)242MAA	**KDM-H362MAA/K KDO-H362MAA	KDM-C(H)362MAA/K KDO-C(H)362QAA	KDM-C(H)482MAA/K KDO-C(H)482QAA	KDM-C(H)602MAA/K KDO-C(H)602QAA
Power Supply		V~,Hz,Ph	220-240V,50Hz,1			380-415V ,50Hz,3		
Cooling	Capacity	Btu/h	18,000	24,000	36,000	36,000	48,000	60,000
		kW	5.28	7.03	10.55	10.55	14.07	17.58
	Rated Power Input	kW	1.73	2.39	3.62	3.73	4.87	5.71
	Rated Current	A	7.95	10.37	17.00	6.69	8.88	10.42
	E.E.R	Btu/Wh	10.40	10.04	9.94	9.65	9.86	10.51
Heating	Capacity	Btu/h	20,000	27,500	40,000	40,000	53,000	63,500
		kW	5.86	8.06	11.72	11.72	15.53	18.61
	Rated Power Input	kW	1.79	2.35	3.59	3.50	5.13	6.00
	Rated Current	A	8.22	10.89	16.50	6.28	9.33	10.88
	C.O.P	W/W	3.27	3.43	3.27	3.35	3.03	3.10
Indoor Unit	Controller	Type	Wired Controller (Wireless Remote - Optional)					
	Air Flow	CFM/CMH	590/1,000	825/1,400	1,180/2,000	1,180/2,000	1,410/2,400	1,650/2,800
	External Static Pressuere	Pa.	50Pa / 80Pa(Optional)					
	Noise Level (Hi/Lo)	dB(A)±3	44/35	47/38	50/41	50/41	51/46	53/44
	Net Dimension (WxDxH)	mm±5	890 x 785 x 290	890 x 785 x 290	890 x 785 x 290	890 x 785 x 290	1,250 x 785 x 290	1,250 x 785 x 290
	Packing Dimension	mm±5	1,100 x 880 x 360	1,100 x 880 x 360	1,100 x 880 x 360	1,100 x 880 x 360	1,430 x 880 x 360	1,430 x 880 x 360
	Weight (Net/Gross)	kg±0.5	34/40	36/42	37/43	37/43	45/51	45/51
Outdoor Unit	Compressor	Type	Rotary			Twin Rotary		
	Refrigerant/Flow Control	Type	R410a / Outdoor Capillary Tube					
	Noise Level	dB(A)±3	55	60	60	60	62	62
	Net Dimension (WxDxH)	mm±5	800 x 315 x 545	825 x 315 x 655	970 x 395 x 805	970 x 395 x 805	940 x 370 x 1,325	940 x 370 x 1,325
	Packing Dimension	mm±5	920 x 400 x 620	945 x 435 x 725	1,105 x 495 x 895	1,105 x 495 x 895	1,080 x 430 x 1,440	1,080 x 430 x 1,440
	Weight (Net/Gross)	kg±0.5	36/39	45/49	68/72	68.5/72.5	95/106	104/109
	Connection	Liquid Gas	mm, in mm, in	6.35, 1/4" 12.7, 1/2"	9.52, 3/8" 15.87, 5/8"	9.52, 3/8" 15.87, 5/8"	9.52, 3/8" 15.87, 5/8"	9.52, 3/8" 19.05, 3/4"

#### 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
- Heating conditions: Indoor air temperature 20°C DB, Outdoor air temperature 7°C DB/6°C WB
- Noise is tested in a full-anechoic test room.
- Model Number, "C" - For cooling only "H" for heatpump
- Mark "\*" Available for cooling model only
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# FULL DC INVERTER

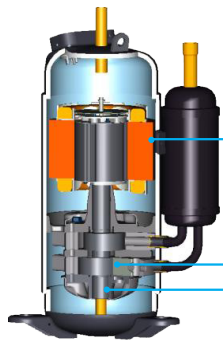
## MAIN FEATURES

### ► Full DC Control

Equipped with high efficiency DC Inverter compressor, DC fan motor and with advanced 180° sine wave vector driver and DC expansion valve.

### ► DC inverter compressor

Twin rotary DC inverter compressor is used. The output of the outdoor unit can be adjusted precisely according to the energy demanded.



Compressor(Twin Rotary) structure

High efficiency DC motor:

- Creative motor core design
- High density neodymium magnet
- Concentrated type stator - Wider operating frequency range

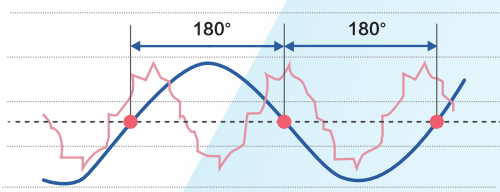
Better balance and Extremely Low Vibration:

- Twin eccentric cams
- 2 balance weights

Highly Stable Moving Parts:

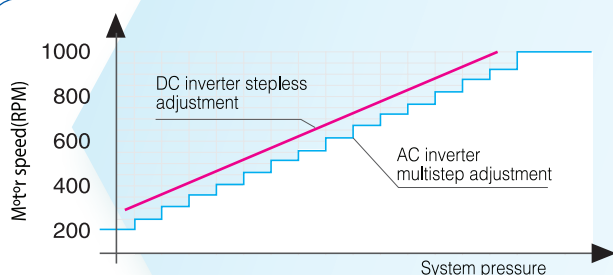
- Optimal material matching rollers and vanes
- Optimize compressor drive technology
- Highly robust bearings
- Compact structure

DC inverter compressor uses 180°sine wave vector con



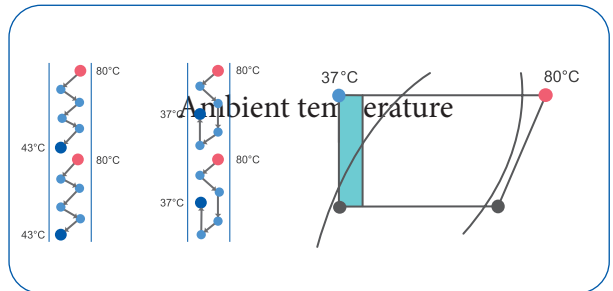
### ► DC fan motor

High efficiency stepless DC fan motor saved power up to 50%.



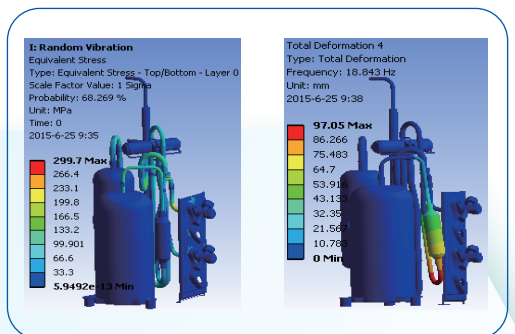
### ► Optimized Pipeline Design

The design ensures the sub-cooling and enhances the cooling capacity by separating the refrigerant inlet and outlet.



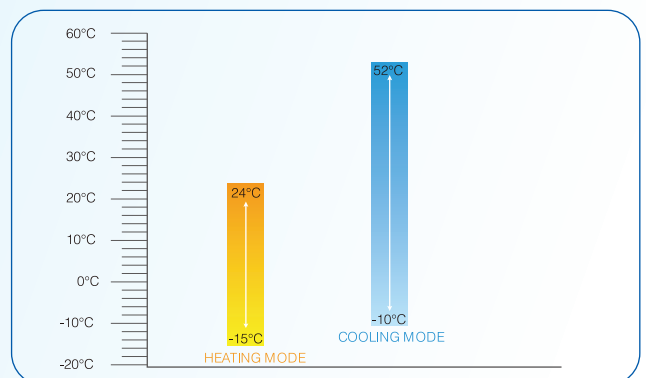
### ► Simulation Technology

Via analysing piping stress distribution, piping amplitude and displacement in transportation and operation, the reliability has been improved greatly.



### ► Reliability

Stable cooling under -5°C and heating under -15°C outdoor environment temperature.



# 360° CASSETTE

## MAIN FEATURES

### ► 360° Panel.

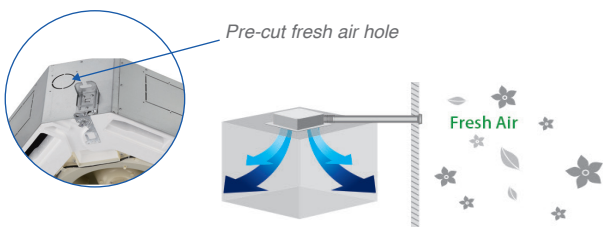
Designed with 360° air discharge, large corner air flow outlet with auto air swing function to provide smooth and high discharge air flow.

Aerodynamic turbo fan enhance strong air flow for better air circulation and air distribution.



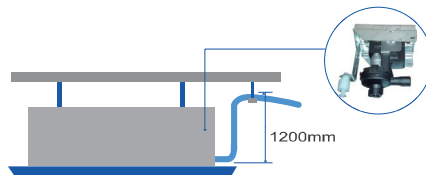
### ► Fresh Air Intake

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### ► Built-in Drain Pump

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



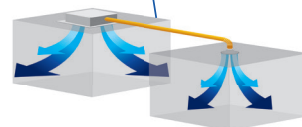
### ► Fire Proof Electrical Box

Fire proof electrical box enhance electrical safety and designed with maintenance friendly.



### ► Pre-cut Extended Duct Hole

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



■ optional ■ standard

Model Number		Indoor Outdoor	KDTX-H182MDB KDOX-H182MDA	KDTX-H242MDA KDOX-H242MDA	KDTX-H302MDA KDOX-H302MDA	KDTX-H422MDA KDOX-H422MDA	KDTX-H502MDA KDOX-H502QDA	KDTX-H602MDA KDOX-H602QDA
Power Supply		V~,Hz,Ph	220~240/50/1				380~415/50/3	
Cooling	Capacity	Btu/h	18,000 (5,220~19,100)	24,000 (7,400~25,000)	30,000 (8,500~31,400)	42,000 (10,900~45,000)	50,000 (14,000~52,000)	60,000 (16,400~62,000)
		KW	5.28 (1.53~5.60)	7.03 (2.16~7.33)	8.79 (2.49~9.20)	12.10 (3.2~13.2)	14.65 (4.10~15.24)	17.58 (4.80~18.30)
	Rated Power Input	KW	1.62 (0.47~2.30)	2.15 (0.67~3.56)	2.68 (0.77~3.70)	4.28 (0.8~5.39)	5.15 (1.21~6.48)	6.21 (1.38~6.85)
	Rated Current	A	7.11 (2.25~10.10)	9.57 (3.21~12.63)	11.76 (3.68~16.25)	18.97 (4.35~23.66)	7.76 (2.50~10.39)	8.97 (2.85~10.99)
Heating	EER	Btu/Wh	11.11	11.15	11.19	9.81	9.70	9.60
	Capacity	Btu/h	19,100 (4,800~21,200)	25,300 (6,800~26,800)	31,800 (9,800~32,800)	46,000 (10,200~50,150)	53,000 (15,700~54,700)	61,000 (16,700~63,100)
		KW	5.60 (1.40~6.20)	7.42 (1.98~7.85)	9.32 (2.86~9.60)	13.50 (3.0~14.7)	15.53 (4.60~16.03)	17.89 (4.91~18.50)
	Rated Power Input	KW	1.47 (0.46~2.25)	1.95 (0.65~3.62)	2.59 (0.78~3.70)	3.80 (0.58~4.90)	4.44 (0.92~5.66)	5.11 (0.98~6.00)
Indoor Unit	Rated Current	A	6.46 (2.20~9.88)	8.38 (3.11~12.90)	11.52 (3.77~16.25)	18.19 (3.14~21.74)	7.17 (1.90~9.08)	7.78 (2.02~9.62)
	COP	W/W	3.81	3.81	3.60	3.55	3.50	3.50
	Controller	Type	Wireless Remote (Wired Controller - Optional)					
	Indoor Air Flow	CFM/CMH	412/700	765/1300	825/1400	1060/1800	1120/1900	1180/2000
Panel	Noise Level(Hi/Lo)	dB(A)±3	45.0/36.0	47.0/38.0	48.0/39.0	51.0/42.0	53.0/45.0	53.5/45.5
	Net Dimension (WxDxH)	mm±5	570 x 570 x 260	835 x 835 x 250	835 x 835 x 250	835 x 835 x 290	835 x 835 x 290	835 x 835 x 290
	Packing Dimension (WxDxH)	mm±5	650 x 650 x 290	910 x 910 x 310	910 x 910 x 310	910 x 910 x 350	910 x 910 x 350	910 x 910 x 350
	Weight (Net / Gross)	Kg±0.5	17.0/20.0	24.0/27.5	24.0/27.5	26.5/31.0	26.5/31.0	26.5/31.0
Outdoor Unit	Net Dimension (WxDxH)	mm±5	650 x 650 x 55	950 x 950 x 55	950 x 950 x 55	950 x 950 x 55	950 x 950 x 55	950 x 950 x 55
	Packing Dimension (WxDxH)	mm±5	710 x 710 x 80	1000 x 1000 x 100	1000 x 1000 x 100	1000 x 1000 x 100	1000 x 1000 x 100	1000 x 1000 x 100
	Weight (Net / Gross)	Kg±0.5	3.0/5.0	5.0/7.0	5.0/7.0	5.0/7.0	5.0/7.0	5.0/7.0
	Compressor Type	Type	Rotary DC Inverter					
Outdoor Unit	Refrigerant Type/Flow control	Type	R410a/Outdoor EXV					
	Noise Power Level	dB(A)±3	55.0	56.5	57.0	58.0	59.0	59.0
	Net Dimension (WxDxH)	mm±5	800 x 315 x 545	900 x 350 x 700	900 x 350 x 700	940 x 401 x 1366	940 x 401 x 1366	940 x 401 x 1366
	Packing Dimension (WxDxH)	mm±5	920 x 400 x 620	1020 x 430 x 770	1020 x 430 x 770	1080 x 460 x 1490	1080 x 460 x 1490	1080 x 460 x 1490
Pipe Size	Weight (Net / Gross)	Kg±0.5	40.0/44.0	53.0/58.0	54.0/59.0	93.0/103.0	108.0/116.0	108.0/116.0
	Connection	Liquid Side mm, Inch	6.35, 1/4"	9.52, 3/8"	9.52, 3/8"	9.52, 3/8"	9.52, 3/8"	9.52, 3/8"
Pipe Size		Gas Side mm, Inch	12.7, 1/2"	15.88, 5/8"	15.88, 5/8"	15.88, 5/8"	19.05, 3/4"	19.05, 3/4"

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
- Heating conditions: Indoor air temperature 20°C DB, Outdoor air temperature 7°C DB/6°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 air to every corner.



### ► Flexible Installation

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



### ► Ultra Slim Design

Body thickness only 205mm, minimize the installation space.



### ► Innovative Centrifugal Fan Design

By applying 3 speed fan motor and combining with innovative centrifugal fan to produce large air flow volume with lower operation noise.



	Remote Control		3D Air Flow		Auto Restart Function		Long-term Filter		Hydrophilic Aluminum Fin		Intelligent Defrosting		Fast Cooling/Heating
	Low Ambient Cooling		Full Process By DC Drive		Wired Control		Central Control		WiFi Control				

■ optional ■ standard

Model Number		Indoor Outdoor	KDCX-H182MDB KDOX-H182MDA	KDCX-H242MDA KDOX-H242MDA	KDCX-H302MDA KDOX-H302MDA	KDTX-H422MDA KDOX-H422MDA	KDCX-H502MDA KDOX-H502QDA	KDCX-H602MDA KDOX-H602QDA
Power Supply		V~,Hz,Ph	220~240/50/1				380~415/50/3	
Cooling	Capacity	Btu/h	18,000 (5,220~19,100)	24,000 (7,400~25,000)	30,000 (8,500~31,400)	42,000 (10,900~45,000)	50,000 (14,000~52,000)	60,000 (16,400~62,000)
		KW	5.28 (1.53~5.60)	7.03 (2.16~7.33)	8.79 (2.49~9.20)	12.10 (3.2~13.2)	14.65 (4.10~15.24)	17.58 (4.80~18.30)
	Rated Power Input	KW	1.62 (0.47~2.30)	2.15 (0.67~3.56)	2.68 (0.77~3.70)	4.28 (0.8~5.39)	5.15 (1.21~6.48)	6.21 (1.38~6.85)
	Rated Current	A	7.11 (2.25~10.10)	9.57 (3.21~12.63)	11.76 (3.68~16.25)	18.97 (4.35~23.66)	7.76 (2.50~10.39)	9.10 (2.85~10.99)
	EER	Btu/Wh	11.11	11.15	11.19	9.81	9.70	9.60
Heating	Capacity	Btu/h	19,100 (4,800~21,200)	25,300 (6,800~26,800)	31,800 (9,800~32,800)	46,000 (10,200~50,150)	53,000 (15,700~54,700)	61,000 (16,700~63,100)
		KW	5.60 (1.40~6.20)	7.42 (1.98~7.85)	9.32 (2.86~9.60)	13.50 (3.0~14.7)	15.53 (4.60~16.03)	17.89 (4.90~18.50)
	Rated Power Input	KW	1.47 (0.46~2.25)	1.95 (0.65~3.62)	2.59 (0.78~3.70)	3.80 (0.58~4.90)	4.44 (0.92~5.66)	5.11 (0.98~6.00)
	Rated Current	A	6.46 (2.20~9.88)	8.38 (3.11~12.90)	11.52 (3.77~16.25)	18.19 (3.14~21.74)	7.17 (1.90~9.08)	7.78 (2.02~9.62)
	COP	W/W	3.81	3.81	3.60	3.55	3.50	3.50
Indoor Unit	Controller	Type	Wireless Remote (Wired Controller - Optional)					
	Indoor Air Flow	CFM/CMH	530/900	765/1300	825/1400	1120/1900	1120/1900	1180/2000
	Noise Level(Hi/Lo)	dB(A)±3	45.0/37.0	47.0/43.0	48.0/43.0	53.0/45.0	54.0/46.0	54.5/46.5
	Net Dimension (WxHxD)	mm±5	930 x 660 x 205	1280 x 660 x 205	1280 x 660 x 205	1630 x 660 x 205	1630 x 660 x 205	1630 x 660 x 205
	Packing Dimension (WxHxD)	mm±5	1010 x 720 x 290	1360 x 720 x 290	1360 x 720 x 290	1710 x 720 x 290	1710 x 720 x 290	1710 x 720 x 290
	Weight (Net / Gross)	Kg±0.5	25.0/28.0	32.0/38	32.5/38.5	44.0/50.0	44.0/50.0	44.0/50.0
Outdoor Unit	Compressor Type	Type	Rotary DC Inverter		Twin Rotary DC Inverter			
	Refrigerant Type/Flow control	Type	R410a/Outdoor EXV					
	Noise Power Level	dB(A)±3	55.0	56.5	57.0	58.0	59.0	59.0
	Net Dimension (WxDxH)	mm±5	800 x 315 x 545	900 x 350 x 700	900 x 350 x 700	940 x 401 x 1366	940 x 401 x 1366	940 x 401 x 1366
	Packing Dimension (WxDxH)	mm±5	920 x 400 x 620	1020 x 430 x 770	1020 x 430 x 770	1080 x 460 x 1490	1080 x 460 x 1490	1080 x 460 x 1490
	Weight (Net / Gross)	Kg±0.5	40.0/44.0	53.0/58.0	54.0/59.0	93.0/103.0	108.0/116.0	108.0/116.0
	Connection	Liquid Side mm, Inch	6.35, 1/4"	9.52, 3/8"	9.52, 3/8"	9.52, 3/8"	9.52, 3/8"	9.52, 3/8"
Pipe Size	Gas Side mm, Inch	12.7, 1/2"	15.88, 5/8"	15.88, 5/8"	15.88, 5/8"	19.05, 3/4"	19.05, 3/4"	

#### 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
- Heating conditions: Indoor air temperature 20°C DB, Outdoor air temperature 7°C DB/6°C WB
- Noise is tested in a full-anechoic test room.

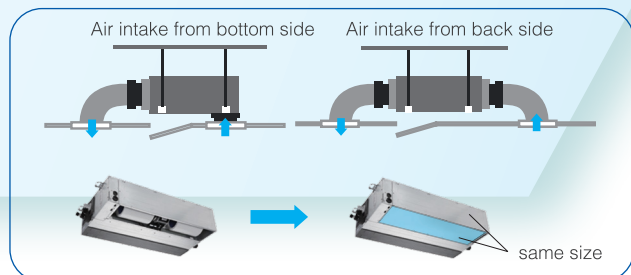


# MID ESP DUCT

## MAIN FEATURES

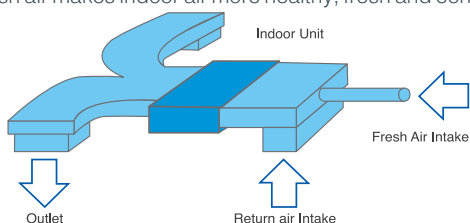
### Flexible Installation

Air intake from rear side is standard. We also provide option to have air intake from bottom side. The size of plate from bottom side is the same as the flange from back side, makes it convenient to change according to different decoration requirement.



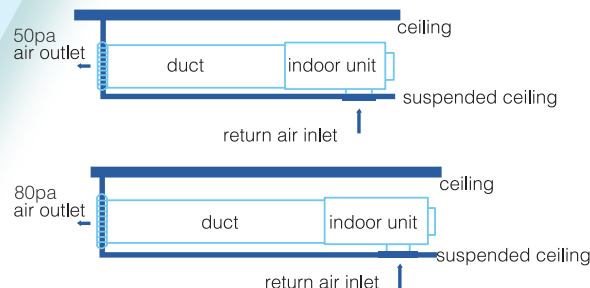
### Fresh Air Intake

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



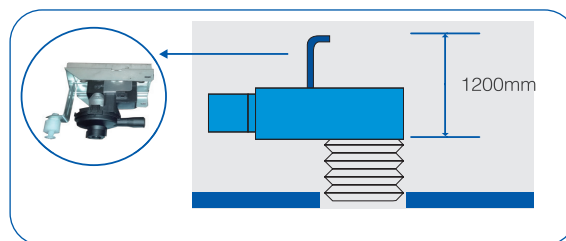
### Optional ESP

50Pa and 80Pa can be freely chosen.



### Built-in Drain Pump (Optional)

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



Model Number		Indoor Outdoor	KDMX-H182MDB KDOX-H182MDA	KDMX-H242MDA KDOX-H242MDA	KDMX-H302MDA KDOX-H302MDA	KDTX-H422MDA KDOX-H422MDA	KDMX-H502MDA KDOX-H502QDA	KDMX-H602MDA KDOX-H602QDA
Power Supply		V~,Hz,Ph	220~240/50/1				380~415/50/3	
Cooling	Capacity	Btu/h	18,000 (5,220~19,100)	24,000 (7,400~25,000)	30,000 (8,500~31,400)	42,000 (10,900~45,000)	50,000 (14,000~52,000)	60,000 (16,400~62,000)
		KW	5.28 (1.53~5.60)	7.03 (2.16~7.33)	8.79 (2.49~9.20)	12.10 (3.2~13.2)	14.65 (4.10~15.24)	17.58 (4.80~18.30)
	Rated Power Input	KW	1.62 (0.47~2.30)	2.15 (0.67~3.56)	2.68 (0.77~3.70)	4.28 (0.8~5.39)	5.15 (1.21~6.48)	6.21 (1.38~6.85)
	Rated Current	A	7.11 (2.25~10.10)	9.57 (3.21~12.63)	11.76 (3.68~16.25)	18.97 (4.35~23.66)	7.32 (2.50~10.39)	8.81 (2.85~10.99)
	EER	Btu/Wh	11.11	11.15	11.19	9.81	9.70	9.60
Heating	Capacity	Btu/h	19,100 (4,800~21,200)	25,300 (6,800~26,800)	31,800 (9,800~32,800)	46,000 (10,200~50,150)	53,000 (15,700~54,700)	61,000 (16,700~63,100)
		KW	5.60 (1.40~6.20)	7.42 (1.98~7.85)	9.32 (2.86~9.60)	13.50 (3.0~14.7)	15.53 (4.60~16.03)	17.89 (4.90~18.50)
	Rated Power Input	KW	1.47 (0.46~2.25)	1.95 (0.65~3.62)	2.59 (0.78~3.70)	3.80 (0.58~4.90)	4.44 (0.92~5.66)	5.11 (0.98~6.00)
	Rated Current	A	6.46 (2.20~9.88)	8.38 (3.11~12.90)	11.52 (3.77~16.25)	18.19 (3.14~21.74)	7.17 (1.90~9.08)	7.78 (2.02~9.62)
	COP	W/W	3.81	3.81	3.60	3.55	3.50	3.50
Indoor Unit	Controller	Type	Wired Controller (Wireless Remote - Optional)					
	Indoor Air Flow	CFM/CMH	676/1150	825/1400	883/1500	1177/2000	1330/2260	1400/2380
	Noise Level(Hi/Lo)	dB(A)±3	45.0/37.0	47.0/43.0	48.0/43.0	51.0/45.0	54.0/46.0	54.5/46.5
	External Static Pressure	Pa	0-50	0-80	0-80	0-80	0-80	0-80
	Net Dimension (WxDxH)	mm±5	890 x 785 x 290	890 x 785 x 290	890 x 785 x 290	1250 x 785 x 290	1250 x 785 x 290	1250 x 785 x 290
Outdoor Unit	Packing Dimension (WxDxH)	mm±5	1100 x 870 x 360	1100 x 870 x 360	1100 x 870 x 360	1460 x 870 x 360	1460 x 870 x 360	1460 x 870 x 360
	Weight (Net / Gross)	Kg±0.5	34.0/40.0	36.0/42.0	36.0/42.0	52.0/59.0	52.5/59.5	52.5/59.5
	Compressor Type	Type	Rotary DC Inverter	Twin Rotary DC Inverter				
	Refrigerant Type/Flow control	Type	R410a/Outdoor EXV					
	Noise Power Level	dB(A)±3	55.0	56.5	57.0	58.0	59.0	59.0
Outdoor Unit	Net Dimension (WxDxH)	mm±5	800 x 315 x 545	900 x 350 x 700	900 x 350 x 700	940 x 401 x 1366	940 x 401 x 1366	940 x 401 x 1366
	Packing Dimension (WxDxH)	mm±5	920 x 400 x 620	1020 x 430 x 770	1020 x 430 x 770	1080 x 460 x 1490	1080 x 460 x 1490	1080 x 460 x 1490
	Weight (Net / Gross)	Kg±0.5	40.0/44.0	53.0/58.0	54.0/59.0	93.0/103.0	108.0/116.0	108.0/116.0
	Connection	Liquid Side mm, Inch	6.35, 1/4"	9.52, 3/8"	9.52, 3/8"	9.52, 3/8"	9.52, 3/8"	9.52, 3/8"
	Pipe Size	Gas Side mm, Inch	12.7, 1/2"	15.88, 5/8"	15.88, 5/8"	15.88, 5/8"	19.05, 3/4"	19.05, 3/4"

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. Heating conditions: Indoor air temperature 20°C DB, Outdoor air temperature 7°C DB/6°C WB
4. Noise is tested in a full-anechoic test room.

# FLOOR STANDING LIGHT COMMERCIAL R410a

## MAIN FEATURES

### ► Stylish Design

Easy match with any interior decoration. Ideal use for residential, shops, office space, restaurants, halls or small open space area.

### ► Convenient Control

Come with touch control panel & wireless remote controller.

### ► Smooth Air Flow

Less turbulence sound and quiet operation.

### ► Maintenance friendly

Removable front panel making maintenance convenient.

Come with standard washable air filter (Saran Net)

### ► 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 error or protection code will be displayed on the indoor unit.

### ► Convenient installation

Multi-directional outlet pipe feature: left \ right \ rear, to meet the needs of different piping arrangement.



## ADDITIONAL FEATURES

- Auto Restart Function
- Louver Position Memory
- On / Off Timer



Remote Control



Silent Air Flow



Auto Restart Function



Long-term Filter



Hydrophilic Aluminum Fin



Self-diagnosis Function

■ optional ■ standard

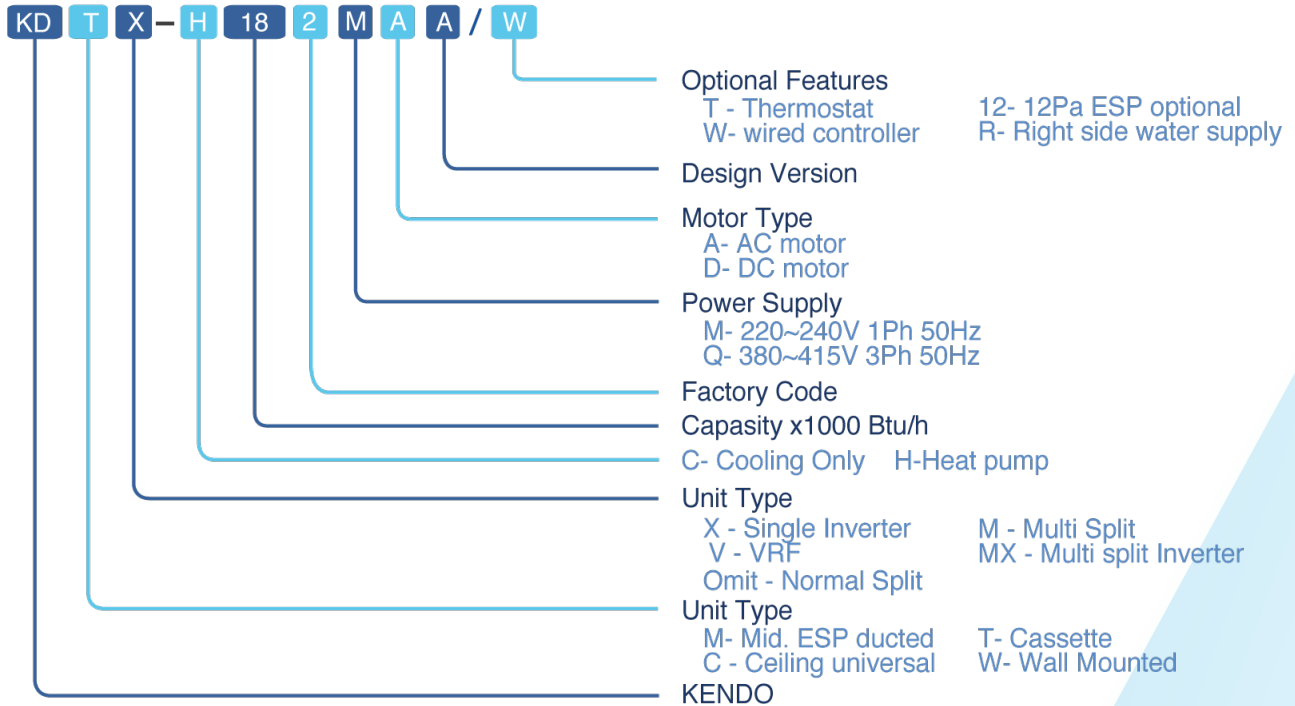
## SPECIFICATION

Model		Indoor	Outdoor	KDF-C242MAA KDO-C242MAA/F	KDF-C482MAA KDO-C482MAA/F
Capacity	Power supply source	V/Ph/Hz		220~240/1/50	380~415/3/50
	Cooling Capacity	Btu/h		22,500	48,000
	Rated Input Power	W		6,600	14,070
	Rated Running Current	A		2,200	4,750
	EER	Btu/Wh		11.0	8.5
Indoor unit	evaporator	FinMaterial	Hydrophilic Al. fin		
	Rows/Fin spacing	Row/mm	1.3		
	Fan	Type	Centrifugal fan		
	Air Flow Volume	m3/h	1,200		
	Noise level	dB(A)	48		
	Indoor unit weight (Net )	Kg	39		
	Dimension	Net Dimension	mm	506*315*1,780	580*400*1925
Outdoor unit	W*D*H	Packing Dimension	mm	620*460*1,970	690*565*2,100
	Compressor	type	AC	ROTARY	ROTARY
		Input	W	2,017	4,018
	Fan system	Fan	Type	Propeller Fan	Propeller Fan
		Motor	Type	AC	AC
	Condenser	Fin Material	Hydrophilic Al. fin		
	Rows/Fin spacing	row/mm	1/1.5		
	Noise level	dB(A)	57		
	Refrigerant	Type	R410A		
	Expansion	Type	Capillary Tube		
	Refrigerant Charged	g	1,420		
	Max. Discharge Pressure	Mpa	4.15		
	Max. Suction Pressure	Mpa	1.15		
	Connecting pipe	Liquid tube Diameter	Inch (mm)	1/4 (6.35)	3/8 (9.52)
		Gas tube Diameter	Inch (mm)	5/8 (15.87)	3/4 (19.05)
	Outdoor unit weight (Net )	Kg	44		
	Dimension	Net Dimension	mm	825*310*655	940*340*1320
	W*D*H	Packing Dimension	mm	945*435*725	1080*1440*430

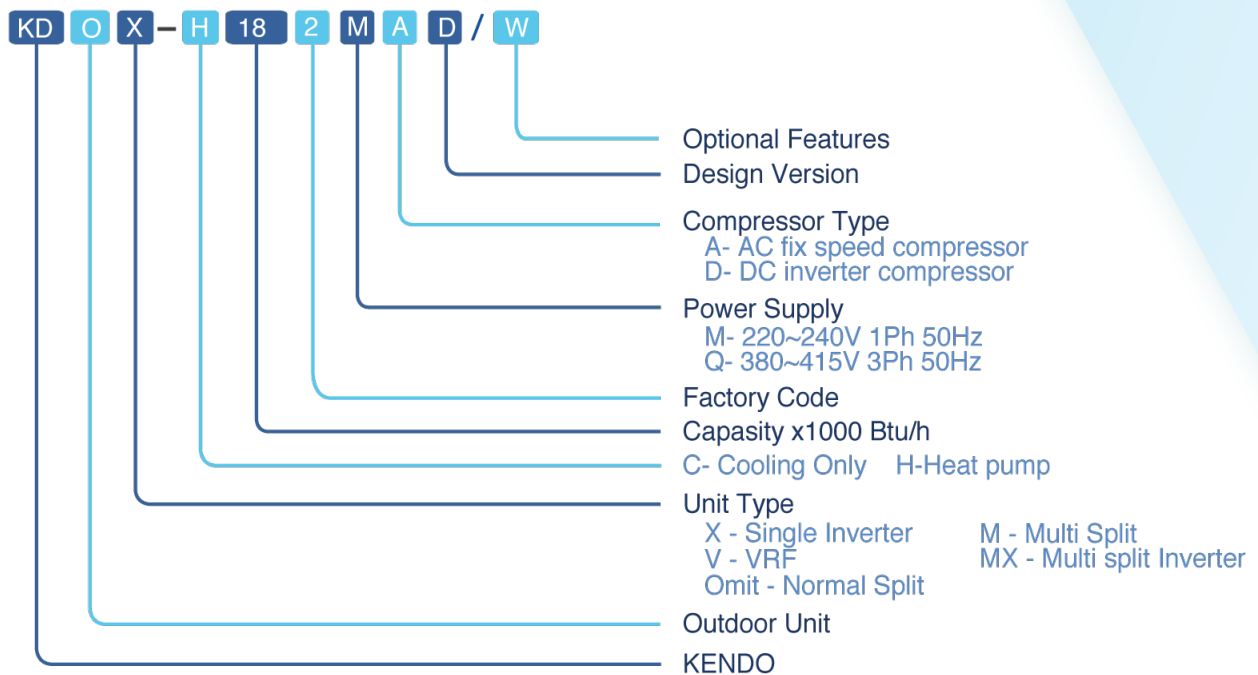
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3. Heating conditions: Indoor air temperature 20°C DB, Outdoor air temperature 7°C DB/6°C WB
4. Noise is tested in a full-anechoic test room.

## Indoor Unit Nomenclature



## Outdoor Unit Nomenclature









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