

LIGHT COMMERCIAL AIR CONDITIONER

Universal Outdoor Series

R410a

T1/50Hz



360° CASSETTE

MAIN FEATURES

► 360° Panel.

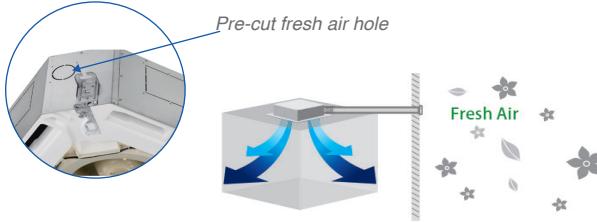
Designed with 360° air discharge, large corner air flow outlet with auto air swing function to provide smooth and high discharge air flow.

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.



	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		■ optional ■ standard

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 kW	18,000 5.28	18,000 5.28	24,000 7.03	36,000 10.55	36,000 10.55	48,000 14.07	60,000 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 kW	20,000 5.86	/	27,500 8.06	40,000 11.72	40,000 11.72	53,000 15.53	63,500 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
	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
Outdoor Unit	Weight (Net/Gross)	kg±0.5	3/5	5/7	5/7	5/7	5/7	5/7
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 Pipe Size	Liquid Gas	mm, in mm, in	6.35, 1/4" 12.7, 1/2"	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" 19.05, 3/4"	9.52, 3/8" 19.05, 3/4"

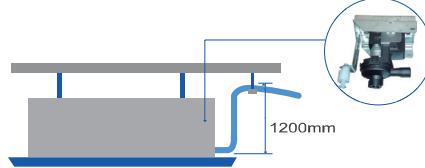
Notes:

- 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 coolong model only
- Mark *** Available for heat pump model only



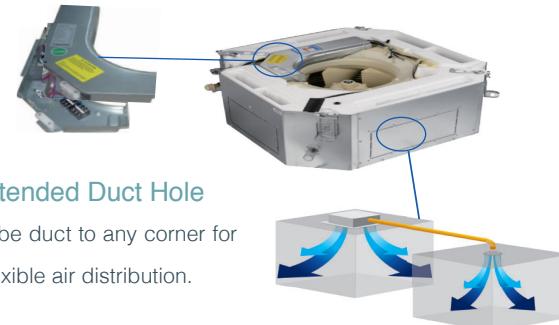
► Built-in Drain Pump

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.



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.



Remote Control



3D Air Flow



Auto Restart Function



Long-term Filter



Hydrophilic Aluminum Fin



Intelligent Defrosting



Fast Cooling/
Heating



Low Ambient
Cooling



Wired Control



Central Control



WiFi Control

■ optional ■ standard

Model Number		Indoor	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 kW	18,000 5.28	24,000 7.03	36,000 10.55	36,000 10.55	48,000 14.07	60,000 17.58
	Rated Power Input	kW	1.72	2.35	3.70	3.77	4.87	5.71
Heating	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
Indoor Unit	Capacity	Btu/h kW	20,000 5.86	27,500 8.06	39,000 11.43	40,000 11.72	53,000 15.53	63,500 18.61
	Rated Power Input	kW	1.77	2.40	3.59	3.50	5.13	6.00
Outdoor Unit	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
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
Compressor		Type	Rotary				Twin Rotary	
Refrigerant/Flow Control		Type	R410a / Outdoor Capillary Tube					
Noise Level		dB(A)±3	55	60	60	62	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"	9.52, 3/8" 19.05, 3/4"

Notes:

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- Heating conditions: Indoor air temperature 20°C DB, Outdoor air temperature 7°C DB/6°C WB
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5. Model Number, "C" - For cooling only "H" for Heatpump

6. Mark ** Available for coolong model only

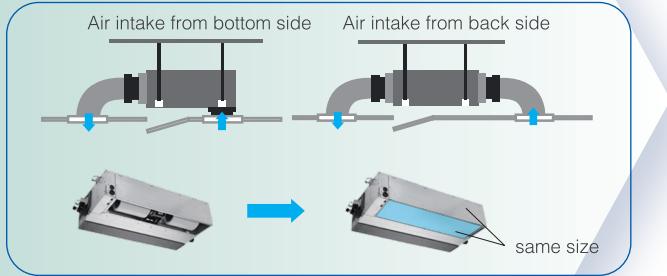
7. Mark *** Available for heat pump model only

MID ESP DUCT

MAIN FEATURES

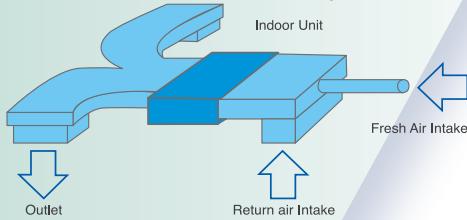
►Flexible Installation

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 ■ standard

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 kW	18,000 5.28	24,000 7.03	36,000 10.55	36,000 10.55	48,000 14.07	60,000 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 kW	20,000 5.86	27,500 8.06	40,000 11.72	40,000 11.72	53,000 15.53	63,500 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
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
Indoor Unit External Static Pressure	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
Compressor	Type	Rotary		Twin Rotary			
Refrigerant/Flow Control	Type			R410a / Outdoor Capillary Tube			
Noise Level	dB(A)±3	55	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 Pipe Size	Liquid mm, in Gas 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"	9.52, 3/8" 19.05, 3/4"

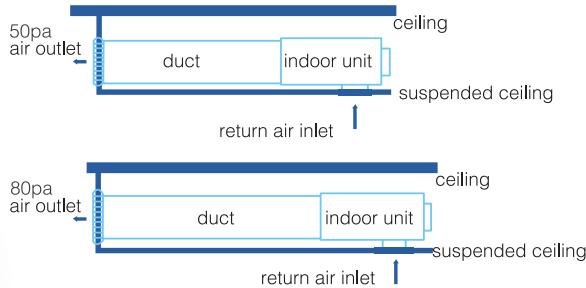
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- Heating conditions: Indoor air temperature 20°C DB, Outdoor air temperature 7°C DB/6°C WB
- Noise is tested in a full-anechoic test room.
- Model Number, "C" - For cooling only "H" for heatpump
- Mark ** Available for coolong model only
- Mark ***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



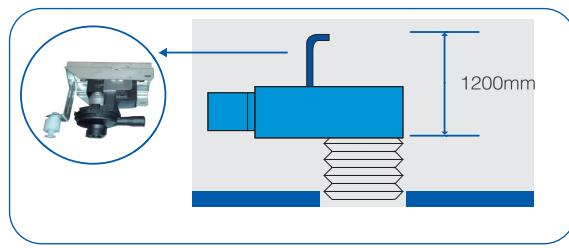
►Optional ESP

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.



FULL DC INVERTER

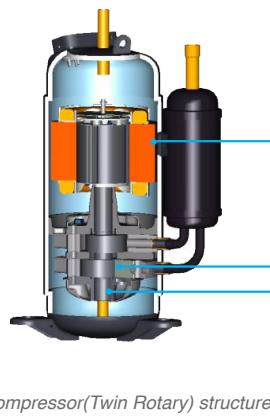
MAIN FEATURES

► 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:

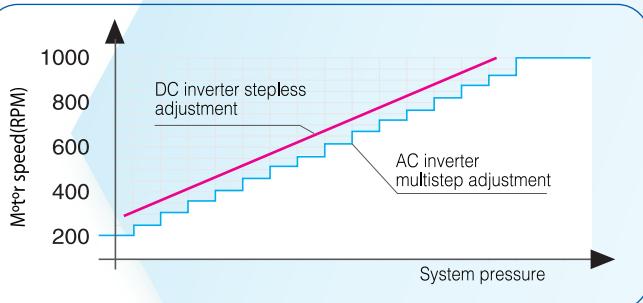
- Optimal material matching rollers and vanes
- Optimize compressor drive technology
- Highly robust bearings
- Compact structure

DC inverter compressor uses 180° sine wave vector con



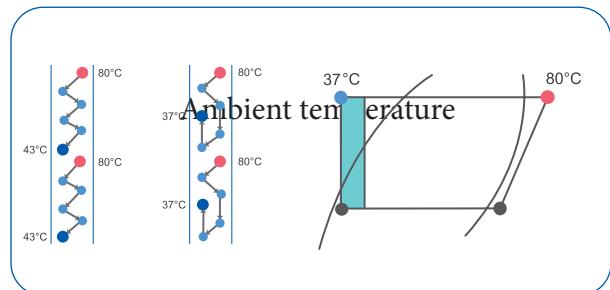
► DC fan motor

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



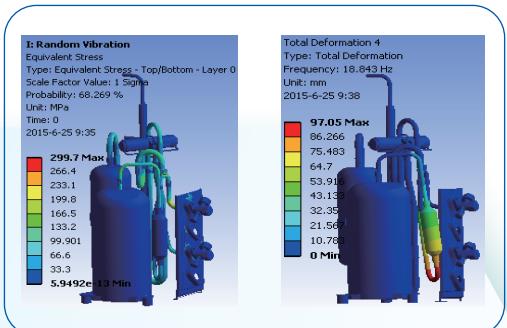
► Optimized Pipeline Design

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



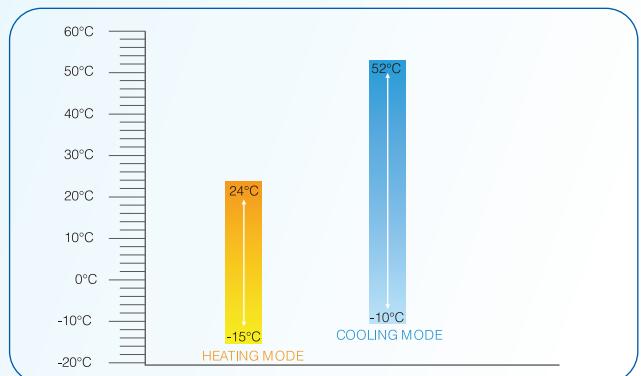
► Simulation Technology

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.

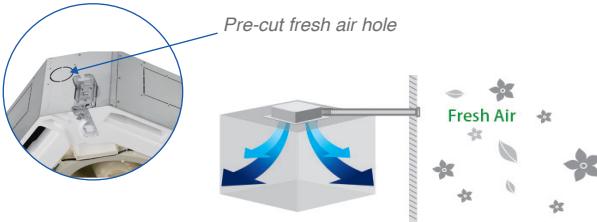
Designed with 360° air discharge, large corner air flow outlet with auto air swing function to provide smooth and high discharge air flow.

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



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



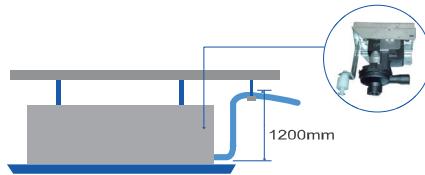
■ optional ■ standard

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 KW	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)
	Rated Power Input	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)
Heating	Rated Current	A	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)
	EER	Btu/Wh	11.11	11.15	11.19	9.81	9.70	9.60
Indoor Unit	Capacity	Btu/h KW	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)
	Rated Power Input	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)
Panel	Rated Current	A	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)
	COP	W/W	3.81	3.81	3.60	3.55	3.50	3.50
Outdoor Unit	Controller	Type	Wireless Remote (Wired Controller - Optional)					
	Indoor Air Flow	CFM/CMH	412/700	765/1300	825/1400	1060/1800	1120/1900	1180/2000
Refrigerant Type/Flow control	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
Compressor Type	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
Refrigerant Type/Flow control	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				
Noise Power Level	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	Twin Rotary DC Inverter					
Refrigerant Type/Flow control	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
Connection	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
	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"
Notes:	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"



► 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.



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.



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)
	Rated Power Input	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 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)
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)
	Rated Power Input	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)
Indoor Unit	Rated Current	A	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)
	COP	W/W	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)
	Controller	Type	3.81	3.81	3.60	3.55	3.50	3.50
Wireless Remote (Wired Controller - Optional)								
Outdoor Unit	Indoor Air Flow	CFM/CMH	530/900	765/1300	825/1400	1120/1900	1120/1900	1180/2000
	Noise Level(Hi/Lo)	dBA±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
Outdoor Unit	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
	Compressor Type	Type	Rotary DC Inverter				Twin Rotary DC Inverter	
	Refrigerant Type/Flow control	Type	R410a/Outdoor EXV					
	Noise Power Level	dBA±3	55.0	56.5	57.0	58.0	59.0	59.0
	Net Dimension (WxHxD)	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 (WxHxD)	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:

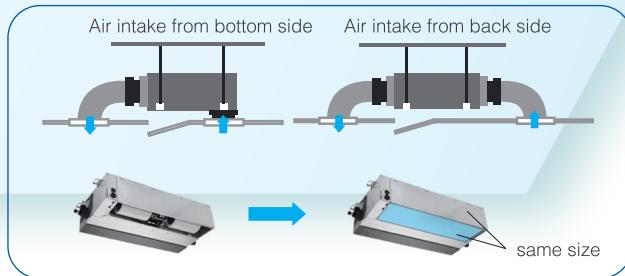
- The above design and specification are subject to change prior notice for product improvement.
- Cooling conditions: Indoor air temperature 27°C DB/19°C WB, Outdoor air temperature 35°C DB/24°C WB
- Heating conditions: Indoor air temperature 20°C DB, Outdoor air temperature 7°C DB/6°C WB
- Noise is tested in a full-anechoic test room.

MID ESP DUCT

MAIN FEATURES

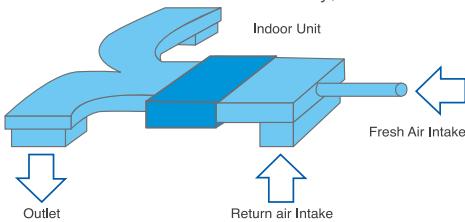
►Flexible Installation

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.



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)
	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
		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)
Heating Capacity	Btu/h	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)
	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
Indoor Unit Controller	Type	Wired Controller (Wireless Remote - Optional)					
	Indoor Air Flow	CFM/CMH	676/1150	825/1400	883/1500	1177/2000	1330/2260
Indoor Unit 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
Outdoor Unit 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
	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
Outdoor Unit 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
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
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"
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"

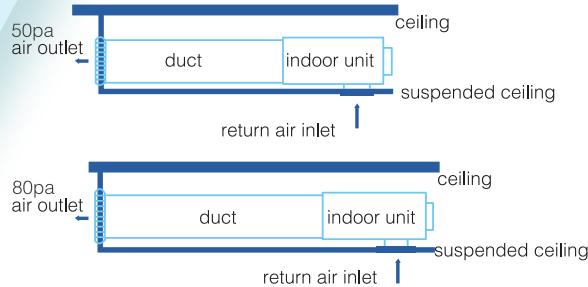
Notes:

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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.



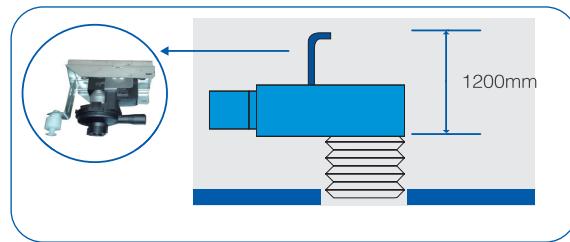
►Optional ESP

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.



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

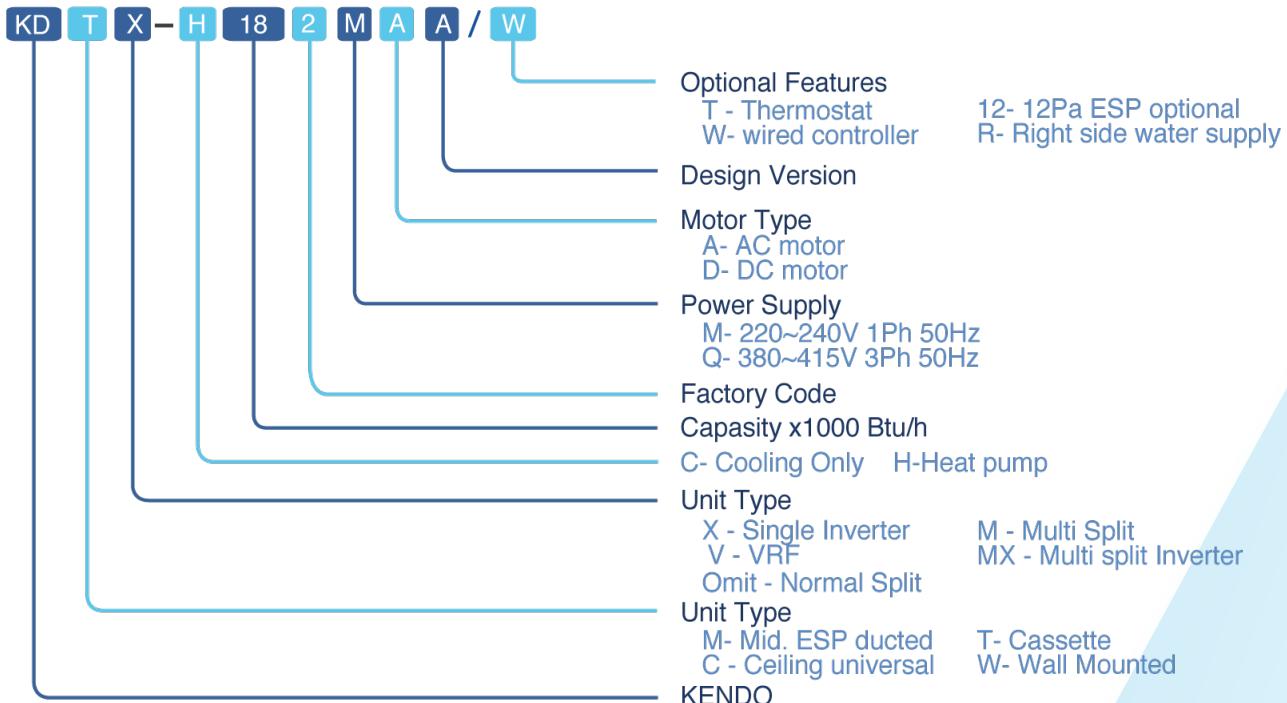
SPECIFICATION

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 W	22,500 6,600	48,000 14,070
	Rated Input Power	W	2,200	4,750
	Rated Running Current	A	11.0	8.5
	EER	Btu/Wh	10.23	10.11
Indoor Unit	evaporator	Fin Material Rows/Fin spacing	Hydrophilic Al. fin 1.3	Hydrophilic Al. fin 1.4
	Fan	Type	Centrifugal fan	Centrifugal fan
	Air Flow Volume	m3/h	1,200	1,900
	Noise level	dB(A)	48	57
	Indoor unit weight (Net)	Kg	39	54
	Dimension W*D*H	Net Dimension Packing Dimension	506*315*1,780 620*460*1,970	580*400*1925 690*565*2,100
	Compressor	type Input	ROTARY 2,017	ROTARY 4,018
Outdoor Unit	Fan system	Fan Motor	Type Type	Propeller Fan AC
	Condenser	Fin Material Rows/Fin spacing	Hydrophilic Al. fin 1/1.5	Hydrophilic Al. fin 1/1.4
	Noise level	dB(A)	57	61
	Refrigerant	Type	R410A	R410a
	Expansion	Type	Capillary Tube	Capillary Tube
	Refrigerant Charged	g	1,420	2,600
	Max. Discharge Pressure	Mpa	4.15	4.15
	Max. Suction Pressure	Mpa	1.15	1.15
	Connecting pipe	Liquid tube Diameter Gas tube Diameter	Inch (mm) Inch (mm)	1/4 (6.35) 5/8 (15.87)
	Outdoor unit weight (Net)	Kg	44	89
	Dimension W*D*H	Net Dimension Packing Dimension	825*310*655 945*435*725	940*340*1320 1080*1440*430

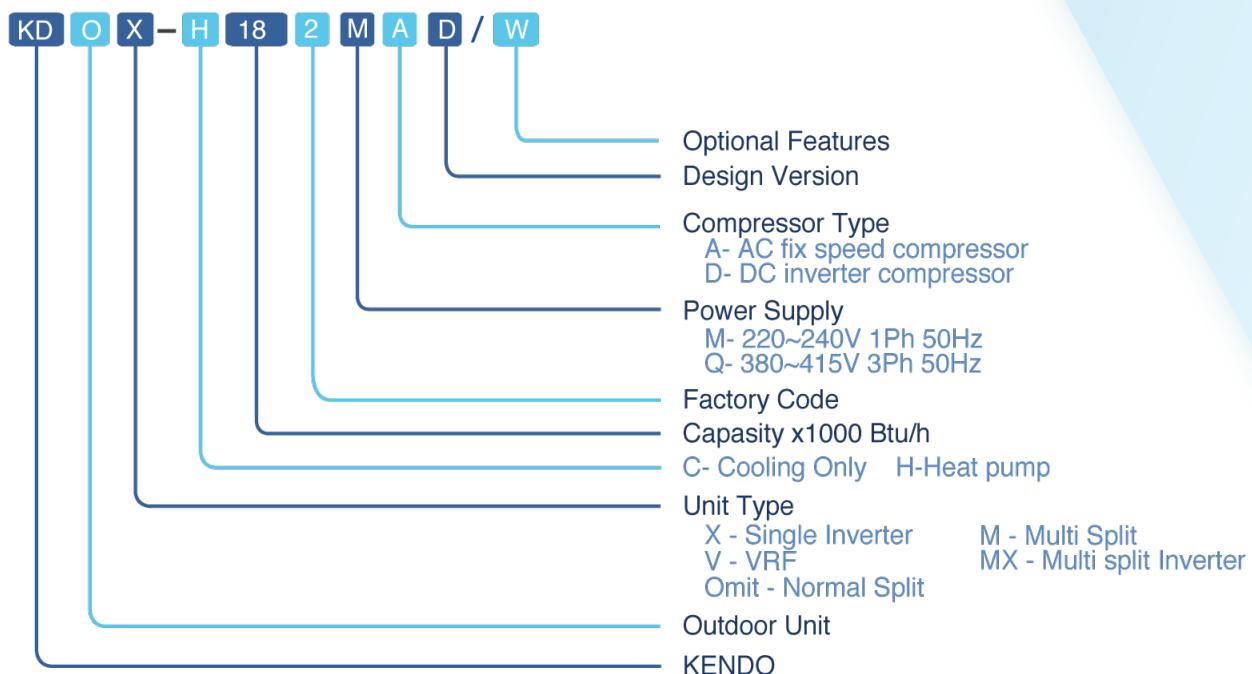
Notes:

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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.

Indoor Unit Nomenclature



Outdoor Unit Nomenclature





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