



make yourself at home



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MIDDLE EAST-QATAR PRODUCT CATALOGUE

2024

RESIDENTIAL AIR CONDITIONER

PRODUCT LINE UP

SPLIT AC

- IcyBlast
- Xtreme Cool

OUTDOOR UNIT

- Tropical 3

LIGHT-COMMERCIAL

- A6 Duct
- A7 Duct
- Round Flow Compact Cassette
- Super Slim Round Flow Cassette
- GA Floor Standing
- MHELIOS

WINDOW AC

- Wonder AC
- Mechanical Window AC

PORTABLE AC

- PT Portable
- PD Portable
- PF Portable

DEHUMIDIFIER

- Midea Cube
- DP Dehumidifier



03

**LIGHT-
COMMERCIAL**

Better Cooling Performance

Customized for Installers

Comparing with A6 Duct, A7 Duct achieves larger capacity of cooling no matter T1 or T3 situation.



		A6	A7
Cooling (T1)	Capacity (Btu/h)	49000	50000
	EER (W/W)	3.61	3.62
Cooling (T3)	Capacity (Btu/h)	42400	43200
	EER (W/W)	2.521	2.565

With slimmer inner groove high efficiency tubes and more circuits, Midea A7 Duct improves the efficiency of heat transfer, enabling fast cooling and resulting in larger cooling capacity, meanwhile, a 20% smaller size.

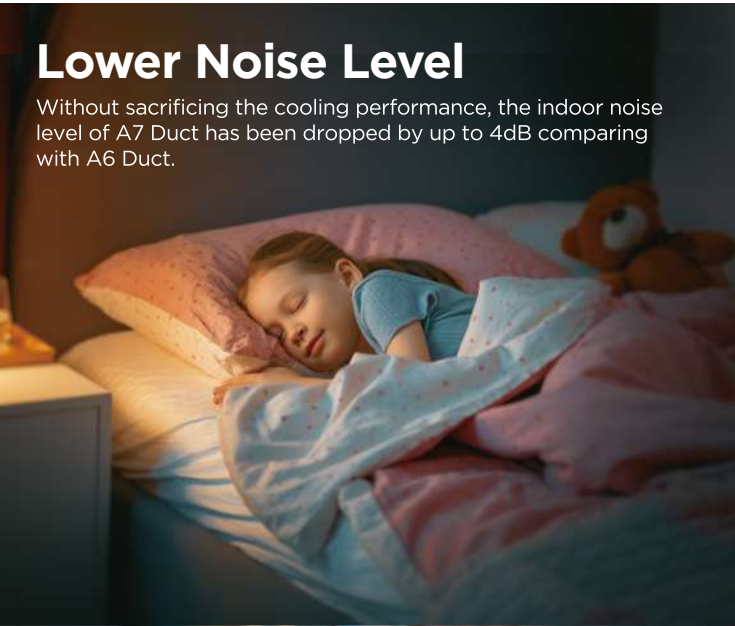
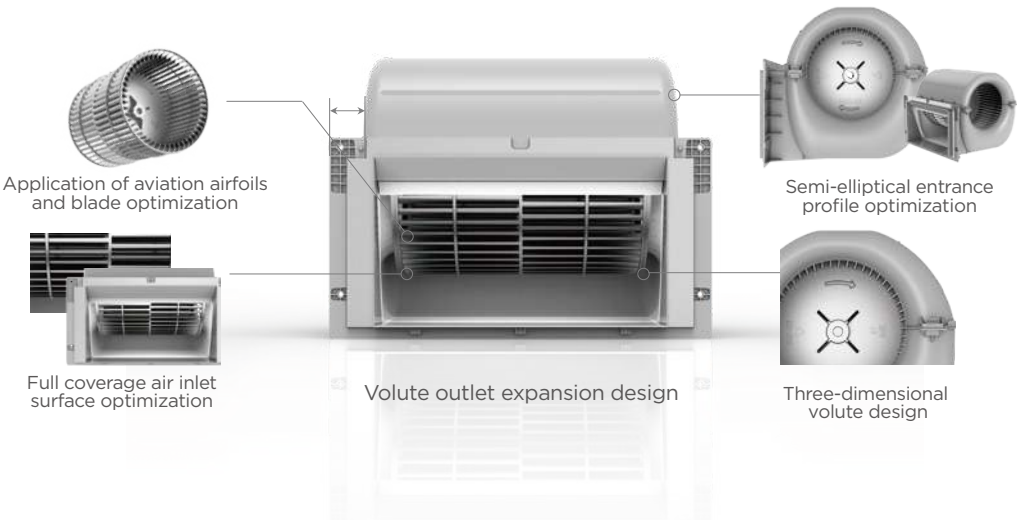


		A6	A7
Indoor coil	Tube outside dia.and type	Φ 9.52 Inner groove tube	Φ 7 Inner groove tube
	Number of circuits	9	11

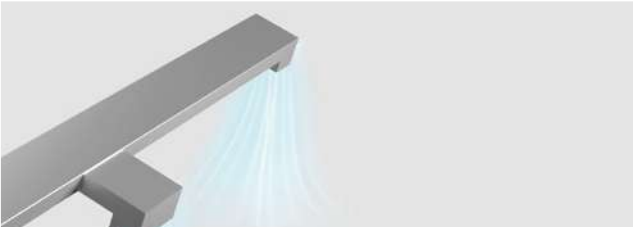
Low Noise

Comfortable

Optimization of Duct Design
By applying the new design of duct, the interior noise level has been reduced significantly. End users would not get irritable easily even staying indoor for a long time.



Without sacrificing the performance of cooling, both the airflow and the speed of indoor fan motor have been lower down to reduce 1dB to 4dB of indoor noise by the improvement of new eccentric fan design.



	A6	A7
Indoor fan motor	Speed (Hi/Mi/Lo) (r/min) 990/910/840	853/778/702
Indoor air flow (Hi/Mi/Lo) (m³/h)	3365/2945/2470	2900/2300/1600
Indoor noise level (Hi/Mi/Lo) (dB(A))	50.5/47.5/44	46.5/45/43



Extreme Durability (Optional)

20 to 50-year
-corrosion-resistance fin
Depended on the using industrial environment with salt contamination

Verified by **intertek**
Total Quality Assured
(Ref. ISO 21207: 2015,Annex A, test method B)

Hyper Grafins (optional)

HYPER GRAPFINS

After 240 hours UV test and 72 hours neutral salt spray(fog) test

0.02% corrosion area*

5X corrosion resistance than golden coating

* Midea exclusive anti-aging technology, Ref.test standard is QMK-J037.1021-2019 hydrophilic aluminum foil

Verified by **intertek**
Total Quality Assured



Midea Exclusive Anti-aging Technology Test

External Static Pressure Adjustment

Auto Airflow Volume Match can be initiated on 120K/L wired controller. It's the Midea exclusive technology to automatically adjust the static pressure of ducted unit for best sense of comfort and installation convenience. This function from 120K/L wired controller definitely beats the manual adjustment of static pressure as before.

120 M
Make It Simple and Easier

STYLISH APPEARANCE

3.5/4.3 IN. LCD DISPLAY SCREEN

FOLLOW ME

WIFI

OPERATION LAMP

INFRARED SIGNAL RECEIVER

BACKLIGHT

EASY TO CONTROL

COPY

Press the button of MODE and Fan SPEED together until the "AF" appears in display

Then press the button of MODE and the "AF" stars to flicker



ROUND FLOW COMPACT CASSETTE

Standard Features:



Optional Features:



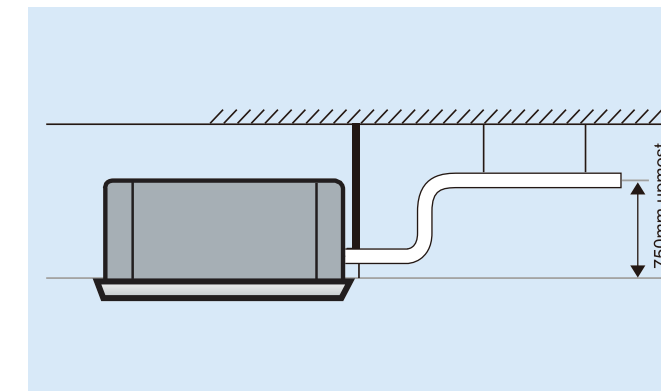
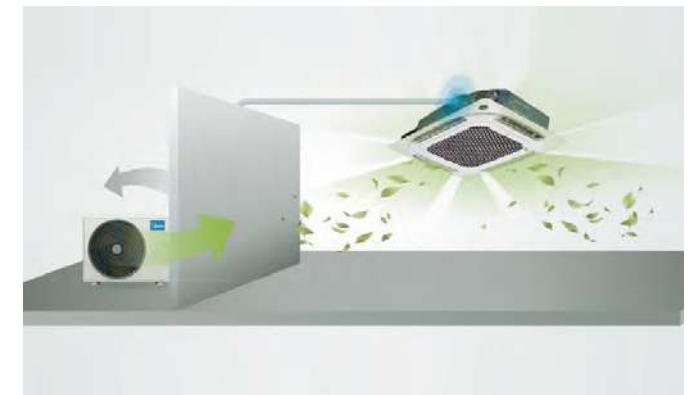
Appearance



Real Health Without Concerns

Fresh Air

Outdoor air can be led into the room via a connection pipe, which keeps the indoor air fresh and healthy.

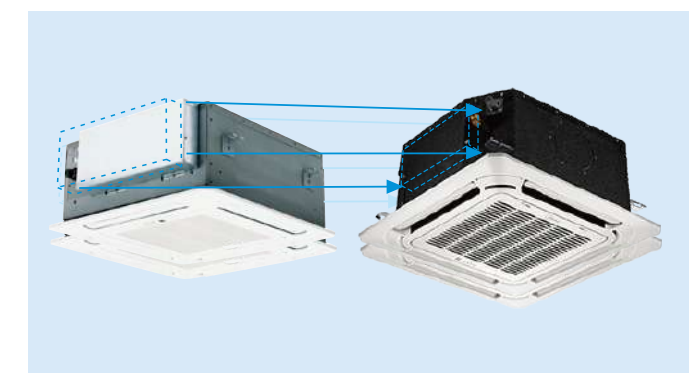


Build-in Drain Pump

The drain pump can lift the condensing water up to 750mm.

E-box Inside

The E-box is simply and safely built inside the indoor unit. This integrated design provides a more compact body size and ease of installation. And the maintenance of the E-box is simple, by opening the air-return-grille.



Wired Controller

Compared with infrared remote controller, wired controller can be fixed on the wall and avoid mislaying. It's mainly used for commercial zone and makes air conditioner control more convenient.



SUPER SLIM ROUND FLOW CASSETTE

Standard Features:



Optional Features:

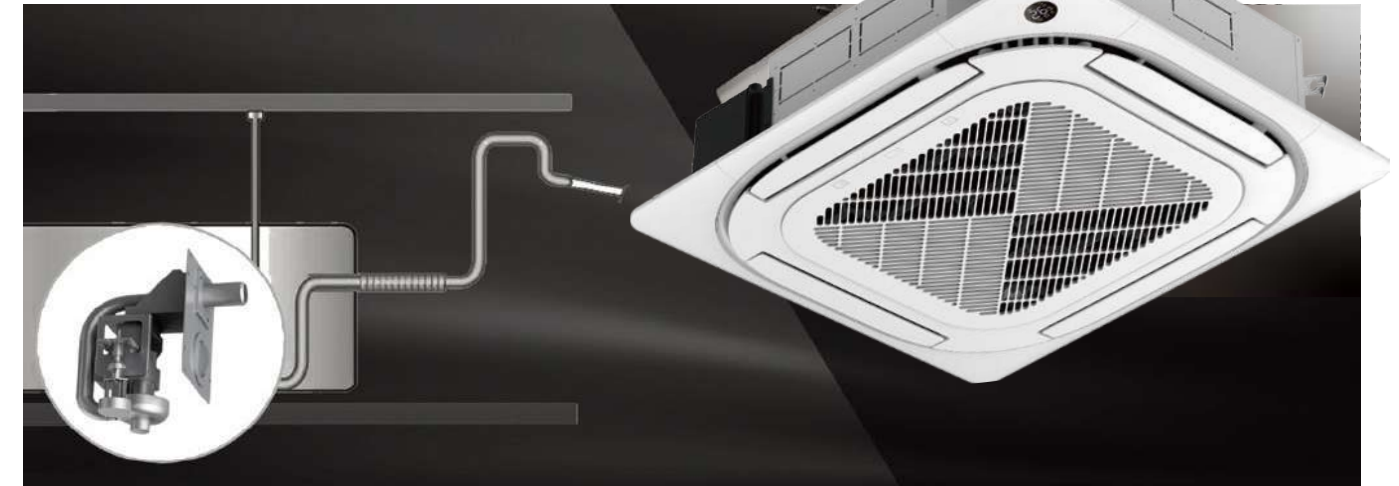


Appearance



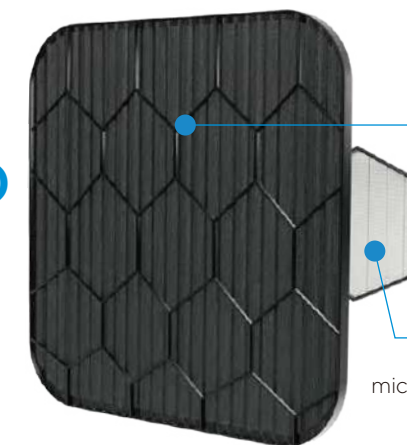
Built-in Drain Pump

The drain pump can lift the condensing water up to 750mm, which is convenient to install drainage pipes under most conditions.



Dual Filtration System (optional)

Eliminate harmful substances in two successive steps and provide fresh and clean air for you.



Step 1 Full High Density Filter

blocks out dust particles and other airborne impurities as initial screening.

Dog hair Dead mite feces Fungi

Step 2 Mirco Protection Filter

remove the pollen(allergen), smoke and micro-dust under 0.3μm, further ensure the cleanliness.

Flower pollen Bacteria Car exhaust fumes Smoke

Water Tray

The water tray is specially upgraded from anti-corrosion plastic material, increased thickness and optimized structure, assuring greater durability and longer product life.



Cassette Inverter-Cooling&heating (R410a)				
MODEL			MCD1T-18HRFN1-NC7W(GA)	MCD1T-24HRFN1-NC7W(GA)
Power supply		V,Hz,Ph	220-240V,50Hz,1Ph	220-240V,50Hz,1Ph
Cooling(T1)	Capacity	Btu/h	20000	23800
	Input	W	1490	1853
	Current	A	6.81	8.08
	EER	(Btu/h)/W	13.423	12.844
Cooling(T3)	Capacity	Btu/h	17500	21200
	Input	W	1860	2280
	Current	A	8.27	9.97
	EER	(Btu/h)/W	9.409	9.298
Heating	Capacity	W	5310	7400
	Input	W	1415	1783
	Current	A	6.20	7.83
	COP	W/W	3.75	4.15
Indoor air flow (Hi/Med/Lo)		m³/h	1225/1100/945	1490/1340/1210
Sound level (sound pressure)		dB(A)	42/40/38	47.5/45/43
Indoor unit	Dimension (W x Hx D)(body)	mm	830x830x245	830x830x245
	Packing (W x Hx D)(body)	mm	910x910x290	910x910x290
	Dimension (W x Hx D)(panel)	mm	950x950x55	950x950x55
	Packing (W x Hx D)(panel)	mm	1035x1035x90	1035x1035x90
	Net/Gross weight(body)	kg	24.3/28.9	24.5/29.2
	Net/Gross weight(panel)	kg	6/9	6/9
Design pressure		MPa	4.8/1.5	4.8/1.5
Drainage water pipe dia.		mm	OD Φ25mm	OD Φ25mm
Refrigerant piping	Liquid side/ Gas side	mm	Φ6.35/Φ12.7(1/4"/1/2")	Φ9.52/Φ15.9(3/8"/5/8")
Controller			Remote control	Remote control
Operation temperature		°C	16-30	16-30
Room temperature	Cooling	°C	16-32	16-32
	Heating	°C	0-30	0-30
Application area		m²	24-36	24-35
Max. input consumption		W	2310	3200
Max. input current		A	11.5	14
Outdoor noise level (sound pressure)		dB(A)	58.5	58
Throttle type			EEV	EEV
Outdoor unit	Dimension(WxDxH)	mm	890x342x673	946x410x810
	Packing(WxDxH)	mm	995x435x750	1090x500x875
	Net/Gross weight	kg	41/44.3	58.6/63.2
Refrigerant type/Quan-tity	Type		R410A	R410A
	Charged volume	kg	1.6	2.2
Design pressure		MPa	4.8/1.5	4.8/1.5
Refrigerant piping	Liquid side/ Gas side	mm(inch)	Φ6.35/Φ12.7(1/4"/1/2")	Φ9.52/Φ15.9(3/8"/5/8")
	Max. pipe length	m	25	25
	Max. difference in level	m	15	15
Ambient temperature	Cooling	°C	0~52	0~52
	Heating	°C	-15~24	-15~24
Qty'per 20' /40' /40'HQ			93/189/189	44/96/138
Max Fuse Amps		A		

Cassette Inverter-Cooling&heating (R410a)				
MODEL			MCDT-36HRFN1-NC6	MCDT-48HRFN1-NC6
Power supply		V,Hz,Ph	220-240V,50Hz,1Ph	220-240V,50Hz,1Ph
Cooling(T1)	Capacity	Btu/h	36000	48000
	Input	W	2705	3600
	Current	A	12.00	15.95
	EER	(Btu/h)/W	12.421	11.805
Cooling(T3)	Capacity	Btu/h	29000	38400
	Input	W	3372	4440
	Current	A	14.82	19.60
	EER	(Btu/h)/W	8.60	8.649
Heating	Capacity	W	10200	15200
	Input	W	2563	4200
	Current	A	11.47	18.55
	COP	W/W	3.98	3.62
Indoor air flow (Hi/Med/Lo)		m³/h	1950/1750/1550	2300/2100/1900
Sound level (sound pressure)		dB(A)	51/49/46	56.5/54.5/52.5
Indoor unit	Dimension (W x Hx D)(body)	mm	910x910x287	910x910x287
	Packing (W x Hx D)(body)	mm	1015x1015x322	1015x1015x322
	Dimension (W x Hx D)(panel)	mm	1020x1020x50	1020x1020x50
	Packing (W x Hx D)(panel)	mm	1115x1115x107	1115x1115x107
	Net/Gross weight(body)	kg	34.4/41.3	34.7/41.2
	Net/Gross weight(panel)	kg	5.8/9.5	5.8/9.5
Design pressure		MPa	4.8/1.5	4.8/1.5
Drainage water pipe dia.		mm	OD Φ32mm	OD Φ32
Refrigerant piping	Liquid side/ Gas side	mm	9.52&19(3/8"/3/4")	Φ9.52/Φ19(3/8"/3/4")
Controller			Remote control	Remote control
Operation temperature		°C	17-30	17-30
Room temperature	Cooling	°C	17-32	17-32
	Heating	°C	0-30	0-30
Application area		m²	36-53	61-90
Max. input consumption		W	4300	6100
Max. input current		A	19.8	28.0
Outdoor noise level (sound pressure)		dB(A)	63	64
Throttle type			EEV	EEV
Outdoor unit	Dimension(WxDxH)	mm	946x410x810	952x415x1333
	Packing(WxDxH)	mm	1090x500x885	1095x495x1480
	Net/Gross weight	kg	64.9/69.6	97.2/110.2
Refrigerant type/Quan-tity	Type		R410A	R410a
	Charged volume	kg	3.20	4.30
Design pressure		MPa	4.8/1.5	4.8/1.5
Refrigerant piping	Liquid side/ Gas side	mm(inch)	Φ9.52/Φ19(3/8"/3/4")	Φ9.52/Φ19(3/8"/3/4")
	Max. pipe length	m	30	50
	Max. difference in level	m	20	30
Ambient temperature	Cooling	°C	0-52	0-52
	Heating	°C	-15-24	-15~24
Qty'per 20' /40' /40'HQ			44/96/138	22/48/48
Max Fuse Amps		A		60