

# NEW TECHNOLOGY

## High-Ambient Cooling

### • Tropical Compressor

The advanced Tropical Compressor is designed to deliver reliable, comfortable cooling air, even under extreme conditions such as sandstorms, continuous operation, and temperatures as high as 56°C.



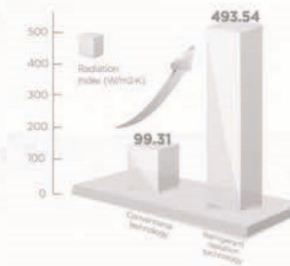
High Efficiency Motor  
Wide operating voltage



Highly Rugged Material  
Able to withstand high pressures

### • Refrigerant Radiation Technology

Yonan refrigerant radiation technology cools electrical components 5 times more efficiently than conventional heat sinks.

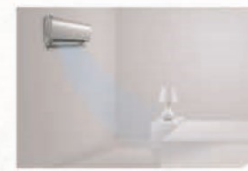


## Automatic Photosensitize Display and Airflow

When the lights are turned off, the unit will dim the display and soften the airflow within 5 seconds, saving energy and ensuring comfort.



Sensitive to changes in light intensity



Analyzes room after light is off



Dims the display and softens airflow

# NEW TECHNOLOGY

## Anti-Corrosive Green Fin

- Designed for Humid and Coastal Areas



## • Excellent Durability

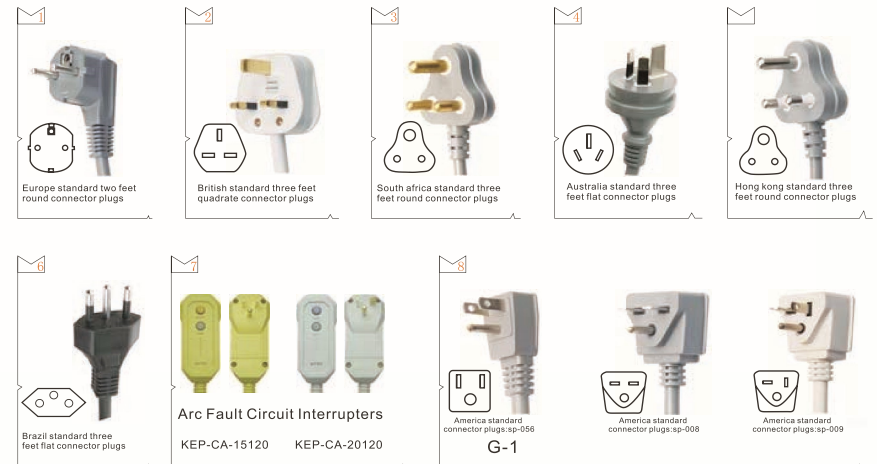
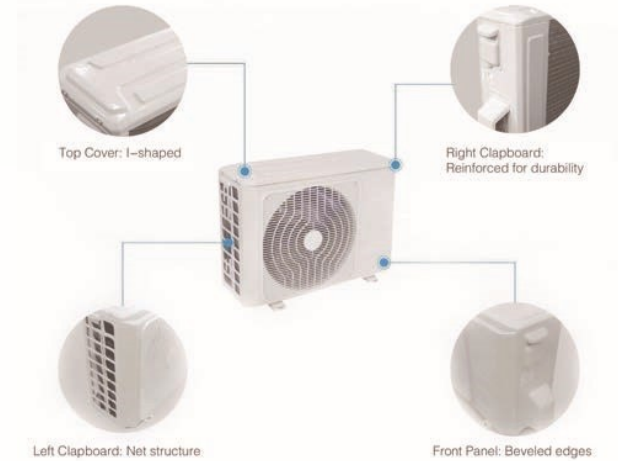
Yonan's Green Fin lasts 7.5 times longer than a Blue Fin under the same conditions

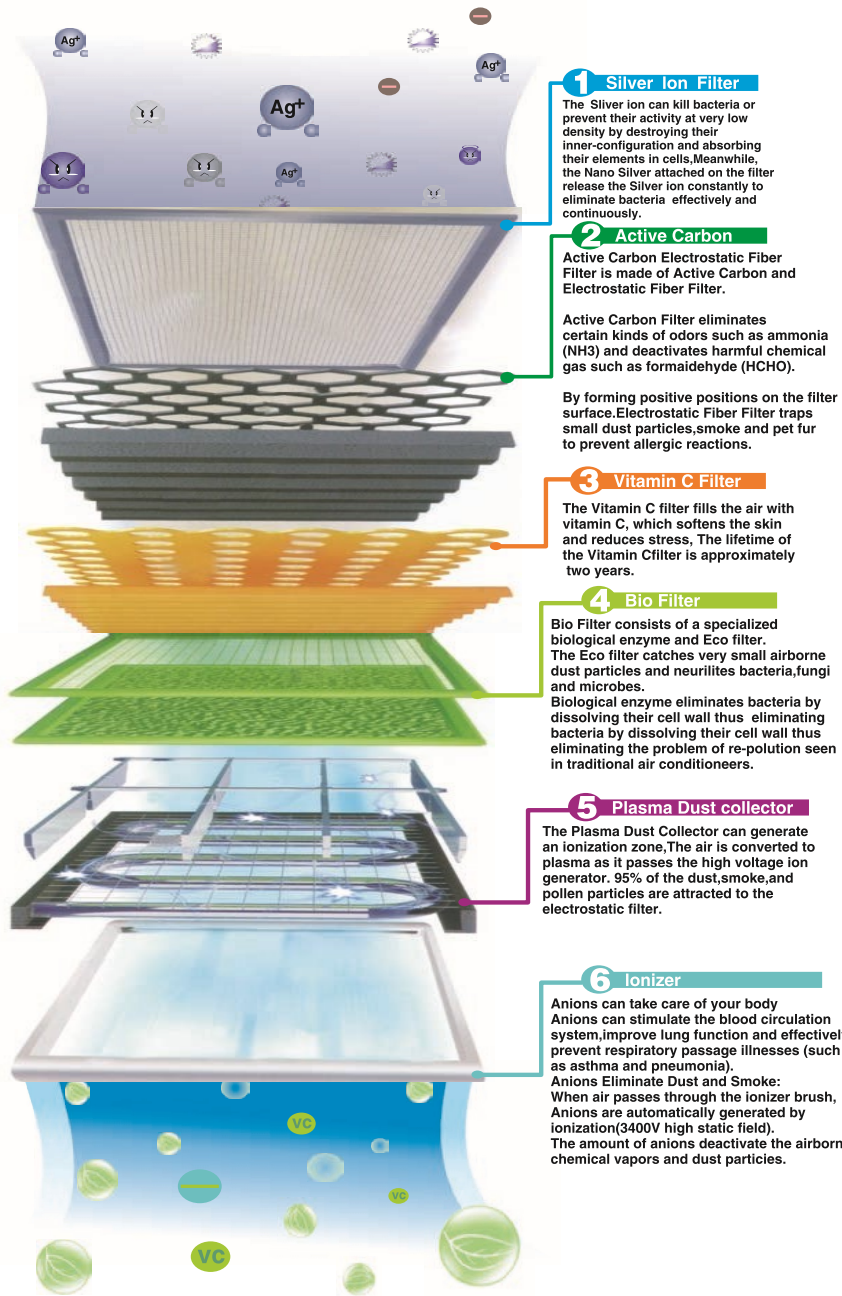


Source: neutral salt spray test results

## New Outdoor Unit Models—Unipue Design, Increased Durability

Yonan's latest beveled Outdoor Units feature reinforcing ribs, increasing unit durability as well as an independent air outlet grille, making for easy maintenance of both the fan and the fan motor.





## Rapid Cooling/Heating

Yonon's rapid cooling and heating applies compressor high frequency start up technology, offering instant ambient temperature changes.



### YAF Split

#### Standard Features

#### خصائص أساسية



Emergency Using  
تشغيل الطوارئ



High Density Filter  
الترشيح الكثيف



Refrigerant Leakage Detect  
كشف التسرب غاز التبريد



Manual ON/OFF  
زر تحكم يدوي



Louver Position Memory  
مخارج التهوية

#### Optional Features

#### خصائص اختيارية



Remote In Engineer Mode  
وضع إنجينير عن بعد



Follow Me  
ملازمة شخصية



Super Ionizer  
سوبر أيونايزر



WiFi Control  
تحكم سلكي



Front Desk Control  
التحكم الأمامية



Wired Control  
التحكم عن طريق شبكة الـ واي فاي



Central Control Management  
إدارة التحكم المركزي

### YAB Split

#### Standard Features

#### خصائص أساسية



TURBO  
وضع التوربو



Auto Restart Function  
إعادة التشغيل التلقائي



Digital Display  
شاشة العرض رقمية



Refrigerant Leakage Detect  
كشف التسرب غاز التبريد



Anti-cold Air Function  
وظيفة مقاومة الهواء البارد



High Density Filter  
الترشيح الكثيف



2-way Draining  
قناة تصريف ثنائية المخرج



Louver Position Memory  
مخارج التهوية



Manual ON/OFF  
زر تحكم يدوي



Timer  
توقيت



Sleep Mode  
وضع السكون

#### Optional Features

#### خصائص اختيارية



3D Air Flow  
توزيع تدفق الهواء 3D



Golden Pin  
زخارف ذهبية



Follow Me  
ملازمة شخصية



Self-cleaning  
التنظيف الذاتي



WiFi Control  
تحكم سلكي



Super Ionizer  
سوبر أيونايزر



Bio Filter  
الترشيح الحيوي



VC Filter  
الترشيح VC



Wired Control  
التحكم عن طريق شبكة الـ واي فاي



Filter Cleaning Reminder  
ملازمة شخصية



## Wall Split Type DC Inverter

YAB2Y



YAB6



## 17 SEER 60Hz R410a

Model			YS17AB-18HRN1	YS17AB-24HRN1	YS17AB-30HRN1	YS17AB-36HRN1
Power supply		Ph-V-Hz	208-230V-60Hz, 1Ph	208-230V-60Hz, 1Ph	208-230V-60Hz, 1Ph	208-230V-60Hz, 1Ph
Cooling	Capacity	Btu/h	18000	24000	30000	36000
	Input	W	1635	2525	2857	4235
	Rated current	A	7.2	11.2	12.5	18.5
	EER	Btu/w	11.5	9.5	10.5	8.5
	SEER	Btu/w	17.7	16	18	16
Heating	Capacity	Btu/h	18000	25000	30000	36000
	Input	W	1935	2425	3110	3835
	Rated current	A	8.5	10.7	13.5	16.7
	COP	W/W	2.73	3.02	2.83	2.75
	HSPF4	Btu/w	9.8	9	9.6	10
HSPF5	Btu/w	7.5	7.2	8.1	8.4	
MINIMUM CIRCUIT AMPACITY		A	15	18	20	25
MAX.FUSE		A	20	25	30	35
Compressor Brand			GMCC	GMCC	GMCC	GMCC
Indoor unit	Dimension(W*D*H)	mm	965x215x319	1080x226x335	1259x282x362	1259x282x362
	Packing (W*D*H)	mm	1045X305X405	1155x415x315	1340x450x380	1340x450x380
	Net/Gross weight	Kg	11.8/15.5	13.2/16.8	19.6/25.2	19.6/25.2
Outdoor unit	Dimension(W*D*H)	mm	800x333x554	845x363x702	946x410x810	946x410x810
	Packing (W*D*H)	mm	920x390x615	965x395x755	1090x500x875	1090x500x875
	Net/Gross weight	Kg	36.5/39.5	47.7/51.0	62.5/67	65/69.5
Application area (cooling standard)		m <sup>2</sup>	23.3-34.2	30.6-44.9	40-58.6	48-70.3
Qty per 20' /40' /40'HQ			78/168/190	67/138/150	36/78/99	36/78/99

## 17 SEER 60Hz R410a

Model			YS17AB-09HRN1-B	YS17AB-12HRN1-B	YS17AB-09HRN1	YS17AB-12HRN1
Power supply		Ph-V-Hz	115V~60Hz, 1Ph	115V~60Hz, 1Ph	208-230V-60Hz, 1Ph	208-230V-60Hz, 1Ph
Cooling	Capacity	Btu/h	9000	12000	9000	12000
	Input	W	782	1200	900	1090
	Rated current	A	7.0	10.4	4.0	4.8
	EER	Btu/w	11.5	10.5	11.5	11
	SEER	Btu/w	17	17.2	17	17.5
Heating	Capacity	Btu/h	9500	12000	9800	11800
	Input	W	925	1135	900	1035
	Rated current	A	8.4	10	4	4.5
	COP	W/W	3.01	3.10	3.19	3.34
	HSPF4	Btu/w	9	9	9	9
HSPF5	Btu/w	7.6	7.5	7.3	7.5	
MINIMUM CIRCUIT AMPACITY		A	15	15	15	15
MAX.FUSE		A	20	20	15	15
Compressor Brand			GMCC	GMCC	GMCC	GMCC
Indoor unit	Dimension(W*D*H)	mm	722x187x290	802x189x297	722x187x290	802x189x297
	Packing (W*D*H)	mm	790x270x370	875x285x375	790x270x370	875x285x375
	Net/Gross weight	Kg	7.5/9.5	8.5/10.2	7.5/9.5	8.5/10.2
Outdoor unit	Dimension(W*D*H)	mm	770x300x555	770x300x555	770x300x555	770x300x555
	Packing (W*D*H)	mm	900x345x585	900x345x585	900x345x585	900x345x585
	Net/Gross weight	Kg	29/31.5	29.5/32	29/31.5	29.5/32
Application area (cooling standard)		m <sup>2</sup>	12-17.6	16-23.4	12-17.6	16-23.4
Qty per 20' /40' /40'HQ			115/235/260	105/220/248	115/235/260	105/220/248



## Wall Split Type DC Inverter

YAB2Y



YAB10

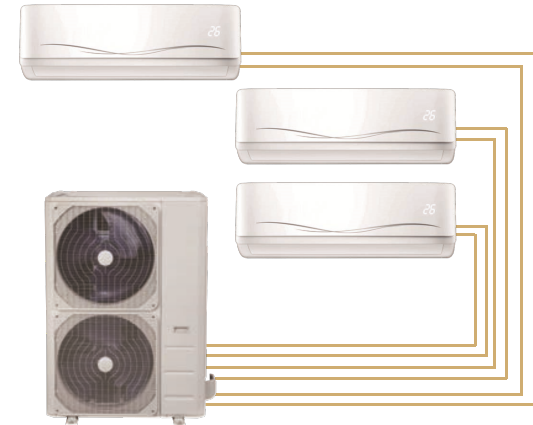


### 21 SEER 60Hz R410a

Model		YS21AB-09HRN1-B	YS21AB-12HRN1-B	YS21AB-09HRN1	YS21AB-12HRN1	YS21AB-18HRN1	YS21AB-24HRN1
Power supply		Ph-V-Hz 115V~60Hz, 1Ph	115V~60Hz, 1Ph	208-230V~60Hz, 1Ph	208-230V~60Hz, 1Ph	208-230V~60Hz, 1Ph	208-230V~60Hz, 1Ph
Cooling	Capacity	Btu/h 9000	12000	9000	12000	18000	24000
	Input	W 665	960	640	923	1384	1920
	Rated current	A 5.8	8.4	2.9	4.05	6.1	8.4
	EER	Btu/w 13.5	12.5	14	13	13	12.5
	SEER	Btu/w 22.5	21.5	22.8	21.5	20.8	20.5
Cooling	Capacity	Btu/h 9800	11800	9800	11800	18000	25000
	Input	W 790	1120	930	1085	1570	2315
	Rated current	A 6.9	9.8	4.2	4.72	6.82	10.1
	COP	W/W 3.64	3.09	3.09	3.24	3.36	3.17
	HSPF4	Btu/w 10.5	11.02	10.5	9.8	10	10
HSPF5	Btu/w 8.6	9	8.6	7.7	8	8.3	
MINIMUM CIRCUIT AMPACITY	A	15	15	10	12	15	18
MAX. FUSE	A	20	20	15	20	20	25
Compressor	Brand	GMCC	GMCC	GMCC	GMCC	GMCC	GMCC
Indoor unit	Dimension(W*D*H)	mm 802x189x297	802x189x297	802x189x297	802x189x297	1080x226x335	1080x226x335
	Packing(W*D*H)	mm 875x285x375	875x285x375	875x285x375	875x285x375	1155x415x315	1155x415x315
	Net/Gross weight	Kg 8.2/10	8.2/10	8.2/10	8.2/10	13.2/16.8	13.2/16.8
Outdoor unit	Dimension(W*D*H)	mm 770x300x555	800x333x554	770x300x555	800x333x554	845x363x702	946x410x810
	Packing(W*D*H)	mm 900x345x585	920x390x615	900x345x585	920x390x615	965x395x755	1090x500x875
	Net/Gross weight	Kg 29/31.5	37/40	29/31.5	37/40	45.8/49.1	62/66.8
Application area (Cooling Standard)	m <sup>2</sup>	12-17.6	16-23.4	12-17.6	16-23.4	23.3-34.2	30.6-44.9
Qty/per 20' /40' /40'HQ	set	105/220/248	85/185/215	105/220/248	85/185/215	67/138/150	44/96/110

## Wall Split Type DC Inverter Multi Zones

YABZY



### 21 SEER 60Hz R410a

Indoor Model		YBI-09HRN1	YBI-12HRN1	YBI-18HRN1	YBI-24HRN1
Power supply		Ph-V-Hz 208-230V~60Hz, 1Ph	208-230V~60Hz, 1Ph	208-230V~60Hz, 1Ph	208-230V~60Hz, 1Ph
Indoor air flow (Hi/Mi/Lo)		CFM 264/212/147	306/212/147	559/365/306	618/471/324
Indoor noise level (Hi/Mi/Lo)		dB(A) 39/-/24.5	39/-/25	45.5/-/34.5	50/-/35.5
Indoor unit	Dimension(W*D*H)	inch 31.57x7.44x11.69	31.57x7.44x11.69	42.52x8.90x13.19	42.52x8.90x13.19
	Packing (W*D*H)	inch 34.45x11.22x14.76	34.45x11.22x14.76	45.47x16.34x12.40	45.47x16.34x12.40
	Net/Gross weight	lbs 18.1/22.0	18.1/22.0	29.1/37.0	29.1/37.0
Thermostat type		Remote Control	Remote Control	Remote Control	Remote Control
Operation temperature		Indoor(cooling/ heating) °F 62~90/32~86	62~90/32~86	62~90/32~86	62~90/32~86
Application area (cooling standard)		sq.ft 129-189	172-252	251-368	330-484
Qty/per 20' /40' /40'HQ		set 320/660/750	320/660/750	190/400/448	190/400/448
Outdoor Model		YBO-18HRN1	YBO-30HRN1	YBO-36HRN1	YBO-48HRN1
Power supply		Ph-V-Hz 208-230V~60Hz, 1Ph	208-230V~60Hz, 1Ph	208-230V~60Hz, 1Ph	208-230V~60Hz, 1Ph
Cooling	Capacity	Btu/h 18000	30000	36000	48000
	SEER	22.5	23	22.5	22.4
	Capacity	Btu/h 19000	28000	36000	48000
Heating at 47F	COP	3.6	3.9	3.4	3.6
	HSPF4	10.3	10.3	10.2	10.2
Compressor	Model	ATM150D23UFZ	ATF235D22UMT	ATF310D43UMT	ATQ360D1UMU
	Rotary	ROTARY	ROTARY	ROTARY	Twin-ROTARY
	Brand	GMCC	GMCC	GMCC	GMCC
Outdoor air flow		CFM 1390	2130	2130	4500
Outdoor noise level		dB(A) 62.4	63.4	62.3	64
Outdoor unit	Dimension(W*D*H)	inch 33.27x14.29x27.64	37.24x16.14x31.89	37.24x16.14x31.89	37.48x16.34x32.48
	Packing (W*D*H)	inch 37.99x15.55x29.72	42.91x19.69x34.45	42.91x19.69x34.45	43.11x19.49x38.27
	Net/Gross weight	lbs 105.82/114.64	149.91/160.94	156.53/167.55	223.77/255.07
Refrigerant type		oz R410A/70.5	R410A/98.8	R410A/105.8	R410A/162.3
Ambient temperature		cooling °F -13~122	-13~122	-13~122	-13~122
		heating °F -13~86	-13~86	-13~86	-13~86
Qty/per 20' /40' /40'HQ		outdoor unit 102/216/216	44/96/144	44/96/144	22/46/46

# PTAC

PTAC



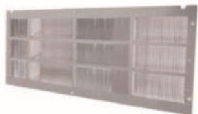
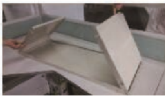
## Accessories(Optional)



1



1.2



2



3

- 1 Wall sleeve (two optional)  
1.1 Fixed, can be packed With the unit.  
1.2 Detachable
- 2 Aluminum grille
- 3 Drain Kit
- 4 Extruded Architectural Grille



4

Model		YWP-07EEN1	YWP-07HEN1	YWP-09EEN1	YWP-09HEN1
Capacity					
Cooling Capability	Btu/h	7300/7100	7000/6800	9200/9000	9000/8800
	W	2140/2081	2052/1993	2696/2638	2638/2579
Heating Capability	Btu/h	/	6000/5800	/	8100/7900
	W	/	1758/1700	/	2374/2315
Electrical parts					
Power Supply	V-, Hz, Ph	208/230~60Hz, 1Ph	208/230~60Hz, 1Ph	208/230~60Hz, 1Ph	208/230~60Hz, 1Ph
Electric heater Power Input	W	2500/3500	2500/3500	2500/3500	2500/3500
Performance					
EER	Btu/h/w	TBD	TBD	11.3	11.3
	W/W	3.4	3.4	3.3	3.3
COP	Btu/h/w	/	11.3	/	10.9
	W/W	/	3.3	/	3.2
Noise Level	dB(A)	49	49	49	49
Dimension & Weight					
Dimension(W*D*H)	mm	1069x406x546	1069x406x546	1069x406x546	1069x406x546
Packing(W*D*H)	mm	1180x490x697	1180x490x697	1180x490x697	1180x490x697
Net/Gross weight	Kg	46.8/58.6	46.8/58.6	47.2/59	48.2/60
Stuffing Quantity					
Stuffing quantity 20'/40'/40'HQ	Set	60/120/150	60/120/150	60/120/150	60/120/150

Model		YWP-12EEN1	YWP-12HEN1	YWP-15EEN1	YWP-15HEN1
Capacity					
Cooling Capability	Btu/h	12000/11800	12000/11800	14700/14500	14700/14500
	W	3517/3468	3517/3468	4308/4250	4308/4250
Heating Capability	Btu/h	/	10800/10500	/	13500/13200
	W	/	3165/3077	/	3957/3869
Electrical parts					
Power Supply	V-, Hz, Ph	208/230~60Hz, 1Ph	208/230~60Hz, 1Ph	208/230~60Hz, 1Ph	208/230~60Hz, 1Ph
Electric heater Power Input	W	2500/3500	2500/3500	3500/5000	3500/5000
Performance					
EER	Btu/h/w	10.7	10.5	9.5	9.3
	W/W	3.1	3.1	2.8	2.7
COP	Btu/h/w	/	10.9	/	9.9
	W/W	/	3.2	/	2.9
Noise Level	dB(A)	52	52	52	52
Dimension & Weight					
Dimension(W*D*H)	mm	1069x406x546	1069x406x546	1069x406x546	1069x406x546
Packing(W*D*H)	mm	1180x490x697	1180x490x697	1180x490x697	1180x490x697
Net/Gross weight	Kg	52.2/64	53.2/65	53.2/65	54.2/66
Stuffing Quantity					
Stuffing quantity 20'/40'/40'HQ	Set	60/120/150	60/120/150	60/120/150	60/120/150



## Compact Round Flow Cassette



### Standard Features



### Optional Features

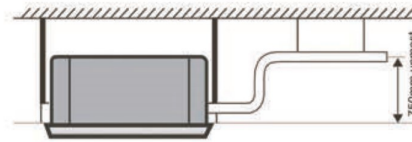


## OUTSTANDING FEATURES

Compact Round Flow Cassette

### Build-in Drain Pump ▶

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



### Low Ambient Cooling ▶

With built-in low ambient kit or special designed PCB, outdoor fan speed can be changed automatically according to condenser temperature, even when the temperature is down to -13°F.



### 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.



# Light Commercial-Cassette

## Cassette R410a ONOFF ▶

Indoor model		YCA-24CR-N	YCA-36CR-N	YCA-48CR-N	YCA-60CR-N
<b>Power supply</b>	V-ph/Hz	220-230-1-60	220-230-1-60	220-230-1-60	220-230-1-60
Capacity	Btu/h	24000	36000	48000	60000
<b>Cooling</b>	Input	W	2693	4100	5000
	EER	WWW	2.61	2.57	2.81
<b>Indoor air flow (Hi/Med/Lo)</b>	m3/h	1157/1004/829	1851/1346/1232	1854/1362/1240	2204/1988/1770
<b>Sound level (sound pressure)</b>	dB(A)	46.8/42.9/39	50.4/45.2/43.4	51.9/45.6/44.3	58.8/56.8/54.6
Dimension (W x D x H)(body)	mm	840x840x205	840x840x245	840x840x245	840x840x287
Packing (W x D x H)(body)	mm	900x900x217	900x900x257	900x900x257	900x900x292
Dimension (W x D x H)(panel)	mm	950x950x55	950x950x55	950x950x55	950x950x55
Packing (W x D x H)(panel)	mm	1035x1035x90	1035x1035x90	1035x1035x90	1035x1035x90
Net/Gross weight(body)	kg	22/25.7	25.2/28.9	27.5/31.3	29/33.5
Net/Gross weight(panel)	kg	5/8	5/8	5/8	5/8
<b>Operation temperature</b>	°C	17-30	17-30	17-30	17-30
<b>Room temperature</b>	°C	17-32	17-32	17-32	17-32
<b>Qty/per 20' /40' /40'HQ</b>	indoor unit/panel	148/312/342	128/268/294	128/268/294	100/212/238

## Cassette HighSEER ▶

Indoor model		YCC-09HRN1	YCC-12HRN1	YCC-18HRN1	YCC-24HRN1	YCC-36HRN1	YCC-48HRN1
<b>Power supply</b>	V-ph/Hz	208-230-1-60	208-230-1-60	208-230-1-60	208-230V-60Hz, 1Ph	208-230V-60Hz, 1Ph	208-230V-60Hz, 1Ph
Capacity	Btu/h	9000	12000	18000	24000	36000	48000
<b>Cooling</b>	EER	Btu/W	13.0	14.0	12.5	12.5	9.0
	SEER		20	21.5	20	20	17.5
Capacity	Btu/h	10000	12000	18000	24400	38000	50000
<b>Heating at 47F</b>	COP	WWW	3.44	3.9	3.2	3.2	3.0
	HSPF4		10.5	10.5	10.3	10.5	11.0
	HSPF5		8.4	8.4	8.8	8.4	9.1
<b>Indoor air flow (Hi/Med/Lo)</b>	m3/h	635/511/437	644/525/443	951/821/705	1189/1028/974	1861/1628/1375	2000/1750/1450
<b>Indoor noise level (sound pressure) (Hi/Med/Lo)</b>	dB(A)	41/37/33	43/39/36	43/39/36	51/47/43	55/52/49	55/52/49
Dimension (W x D x H)(body)	mm	570x570x260	570x570x260	570x570x260	840x840x205	840x840x245	840x840x287
Packing (W x D x H)(body)	mm	655x655x290	655x655x290	655x655x290	900x900x217	900x900x257	900x900x292
Dimension (W x D x H)(panel)	mm	647x647x50	647x647x50	647x647x50	950x950x55	950x950x55	950x950x55
Packing (W x D x H)(panel)	mm	715x715x123	715x715x123	715x715x123	1035x1035x90	1035x1035x90	1035x1035x90
Net/Gross weight(body)	kg	14.5/17.3	16/18.6	16.1/18.7	21/24.6	26.4/30	28.7/32.9
Net/Gross weight(panel)	kg	2.5/4.5	2.5/4.5	2.5/4.5	5/8	5/8	5/8
<b>Room temperature</b>	°C	17-32	17-32	17-32	17-32	17-32	17-32
<b>Operation temperature</b>	°C	17-30	17-30	17-30	17-30	17-30	17-30
<b>Qty/per 20' /40' /40'HQ</b>		234/488/566	234/488/566	234/488/566	148/312/342	128/268/294	100/212/238

## Cassette DC Inverter ▶

Indoor model		YCA-24CRDN1-N	YCA-36CRDN1-N	YCA-48CRDN1-N	YCA-60CRDN1-N
<b>Power supply</b>	V-ph/Hz	220-230-1-60	220-230-1-60	220-230-1-60	220-230-1-60
Capacity	Btu/h	24000	36000	48000	55000
<b>Cooling</b>	Input	W	2321	3676	5650
	Current	A	10.6	16.7	25.6
	EER	WWW	3.03	2.87	2.49
<b>Indoor air flow (Hi/Med/Lo)</b>	m3/h	1150/1000/850	2000/1700/1450	1938/1426/1299	1756/1428/1309
<b>Sound level (sound pressure)</b>	dB(A)	46.5/39/36.2	54.4/48.4/44.6	55.2/48.1/45.3	50.3/46.6/42.3
Dimension (W x D x H)(body)	mm	840x840x205	840x840x245	840x840x245	840x840x287
Packing (W x D x H)(body)	mm	900x900x217	900x900x257	900x900x257	900x900x292
Dimension (W x D x H)(panel)	mm	950x950x55	950x950x55	950x950x55	950x950x55
Packing (W x D x H)(panel)	mm	1035x1035x90	1035x1035x90	1035x1035x90	1035x1035x90
Net/Gross weight(body)	kg	21.5/25	25/30	27/30.8	29/33.3
Net/Gross weight(panel)	kg	5/8	5/8	5/8	5/8
<b>Operation temperature</b>	°C	17-30	17-30	17-30	17-30
<b>Room temperature</b>	°C	17-32	17-32	17-32	17-32
<b>Qty/per 20' /40' /40'HQ</b>	indoor unit/panel	148/312/342	128/268/294	128/268/294	100/212/238



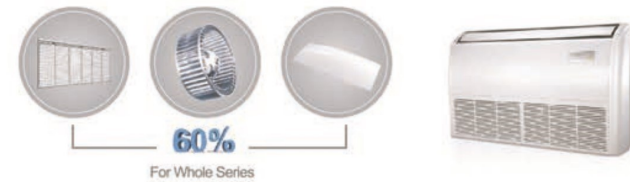


## Ceiling & Floor



### Easy Maintenance ▶

More than 60% parts and assemblies (such as fan wheel, plastic cases, metal parts and etc.) are universal for 3 different bodies, which makes the production and maintenance much easier.



### Standard Features



### Optional Features



### Fresh Air ▶

Air outside can be lead into the room via a connection pipe, which keeps the indoor air fresh and healthy.



### 3D Air Flow ▶

The unit has auto horizontal swing and auto vertical swing function, which supplies more even and comfortable airflow.



### Wired Controller (Option) ▶

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.



# Light Commercial-Ceiling & Floor

## Ceiling & Floor R410a ONOFF ▶

Indoor model		YCF-24CR-N	YCF-36CR-N	YCF-48CR-N	YCF-60CR-N
<b>Power supply</b>	V-ph/Hz	220-230-1-60	220-230-1-60	220-230-1-60	220-230-1-60
Capacity	Btu/h	24000	36000	48000	60000
<b>Cooling</b>	Input	W	2693	4100	5050
	Current	A	2.61	2.57	2.79
<b>Indoor air flow (Hi/Med/Lo)</b>	m3/h	1298/968/770	1804/1571/1384	2451/2066/1777	2615/2388/2248
<b>Sound level (sound pressure)</b>	dB(A)	52.5/46/40.6	54.5/51.1/47.9	56/51.7/49.2	57.7/55.9/54.4
Dimension (W x D x H)(body)	mm	1068x675x235	1285x675x235	1650x675x235	1650x675x235
<b>Indoor unit</b>	Packing (W x D x H)(body)	mm	1145x755x313	1360x755x313	1725x755x313
	Net/Gross weight(body)	kg	24.7/29.5	31.2/36.5	40/46.5
<b>Operation temperature</b>	°C	17-30	17-30	17-30	17-30
<b>Room temperature</b>	Cooling °C	17-32	17-32	17-32	17-32
<b>Qty'per 20' /40' /40'HQ</b>		102/220/252	92/188/213	72/147/167	72/147/167

## Ceiling & Floor DC Inverter ▶

Indoor model		YCF-24CRDN1-N	YCF-36CRDN1-N	YCF-48CRDN1-N	YCF-55CRDN1-N
<b>Power supply</b>	V-ph/Hz	220-230-1-60	220-230-1-60	220-230-1-60	220-230-1-60
Capacity	Btu/h	24000	36000	48000	55000
<b>Cooling</b>	Input	W	2284	3553	5432
	Current	A	3.08	2.97	2.59
<b>Indoor air flow (Hi/Med/Lo)</b>	m3/h	1350/1150/950	2000/1700/1450	2407/2060/1803	2423/2002/1693
<b>Sound level (sound pressure)</b>	dB(A)	52.8/46.6/41.2	56.4/53.3/49.2	58.5/54.7/51.1	58/53.3/49.3
Dimension (W x D x H)(body)	mm	1068x675x235	1285x675x235	1650x675x235	1650x675x235
<b>Indoor unit</b>	Packing (W x D x H)(body)	mm	1145x755x313	1360x755x313	1725x755x313
	Net/Gross weight(body)	kg	25.8/30.6	31.2/36.7	38.7/45.2
<b>Operation temperature</b>	°C	17-30	17-30	17-30	17-30
<b>Room temperature</b>	Cooling °C	17-32	17-32	17-32	17-32
<b>Qty'per 20' /40' /40'HQ</b>		102/220/252	92/188/213	72/147/167	72/147/167

## Ceiling & Floor High SEER ▶

Indoor model		YCF-18HRN1	YCF-24HRN1	YCF-36HRN1	YCF-48HRN1
<b>Power supply</b>	V-ph/Hz	208-230-1-60	208-230-1-60	208-230-1-60	208-230-1-60
Capacity	Btu/h	18000	24000	36000	48000
<b>Cooling</b>	EER	12.5	12.5	8.0	9.3
	SEER	20	20	16	17.8
	Capacity	Btu/h	18000	24000	38000
<b>Heating at 47F</b>	COP	W/W	3.2	3.8	2.8
	HSPF4		10.5	11	10.0
	HSPF5		8.8	9	8.7
<b>Indoor air flow (Hi/Med/Lo)</b>	m3/h	982/885/790	1290/1204/1017	1762/1559/1084	2300/1900/1700
<b>Indoor noise level (sound pressure) (Hi/Med/Lo)</b>	dB(A)	47/44/39	53/48/42	54/49/43	57/54/52
Dimension (W x D x H)(body)	mm	1068x675x235	1068x675x235	1285x675x235	1650x675x235
<b>Indoor unit</b>	Packing (W x D x H)(body)	mm	1145x755x313	1145x755x313	1360x755x313
	Net/Gross weight(panel)	kg	25/29.7	26.5/31.4	31.3/37
<b>Room</b>	Cooling °C	17-32	17-32	17-32	17-32
<b>Operation temperature</b>	Heating °C	0-30	0-30	0-30	0-30
	°C	17-30	17-30	17-30	17-30
<b>Qty'per 20' /40' /40'HQ</b>		102/220/252	102/220/252	92/188/213	72/147/167



## Duct

### Standard Features



### Optional Features

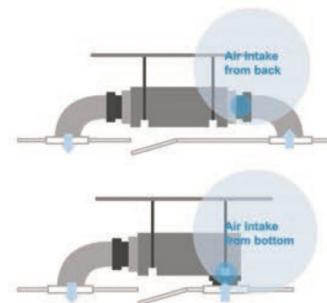


## OUTSTANDING FEATURES

Duct

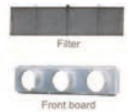
### Flexible Air Intake Ways ▶

Air inlet from back standard and from bottom optional. The size of the plate from bottom and flange from back is the same, it's easy for installer to change the air inlet from back to bottom.



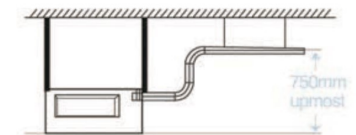
### Optional Accessories ▶

Optional accessories are available to meet the different needs of customers and enhance performance.



### Built-in Drain Pump (Optional) ▶

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



# Light Commercial-Duct

## Duct R410a ONOFF ▶

Indoor model		YDU-24CW-N	YDU-36CW-N	YDU-48CW-N	YDU-60CW-N
<b>Power supply</b>	V-ph-Hz	220-230-1-60	220-230-1-60	220-230-1-60	220-230-1-60
	Capacity	Btu/h	24000	36000	48000
<b>Cooling</b>	Input	W	2481	4100	5000
	Current	A	2.84	2.57	2.81
	EER	W/W	3.05	3.45	3.54
<b>Indoor air flow (Hi/Med/Lo)</b>	m <sup>3</sup> /h	1107/886/797	1629/1478/1303	2176/1790/1531	2281/1869/1618
<b>Sound level (sound pressure)</b>	dB(A)	40.2/36.8/35.5	48.3/45.7/43.5	47.4/44.3/41.9	50.2/46.9/44.5
	Dimension (W x D x H)(body)	mm	920x635x270	1140x775x270	1200x865x300
<b>Indoor unit</b>	Packing (W x D x H)(body)	mm	1150x655x350	1355x795x350	1405x920x373
	Net/Gross weight(body)	kg	28.5/33.5	36.2/43.1	46.1/54.4
<b>Operation temperature</b>	°C	17-30	17-30	17-30	17-30
<b>Room temperature</b>	Cooling °C	17-32	17-32	17-32	17-32
<b>Qty/per 20' /40' /40'HQ</b>		108/216/252	75/153/170	60/126/147	60/126/147

## Duct DC Inverter ▶

Indoor model		YDU-36CWDN1-N	YDU-60CWDN1-N
<b>Power supply</b>	V-ph-Hz	220-230-1-60	220-230-1-60
	Capacity	Btu/h	36000
<b>Cooling</b>	Input	W	3459
	Current	A	15.15
	EER	W/W	3.05
<b>Indoor air flow (Hi/Med/Lo)</b>	m <sup>3</sup> /h	1900/1600/1450	2224/1837/1577
<b>Sound level (sound pressure)</b>	dB(A)	50.2/47/44.2	49.5/45.7/43.6
	Dimension (W x D x H)(body)	mm	1140x775x270
<b>Indoor unit</b>	Packing (W x D x H)(body)	mm	1355x795x350
	Net/Gross weight(body)	kg	35.5/42.6
<b>Operation temperature</b>	°C	17-30	17-30
<b>Room temperature</b>	Cooling °C	17-32	17-32
<b>Qty/per 20' /40' /40'HQ</b>	Indoor	75/153/170	60/126/147

## Duct High SEER ▶

Indoor model		YDU-09HRN1	YDU-12HRN1	YDU-18HRN1	YDU-24HRN1	YDU-36HRN1	YDU-48HRN1
<b>Power supply</b>	V-ph-Hz	208-230-1-60	208-230-1-60	208-230-1-60	208-230-1-60	208-230-1-60	208-230-1-60
<b>Cooling</b>	Capacity	Btu/h	9000	12000	18000	24000	48000
	EER	Btu/W	13.5	12.5	12.5	12.5	8.5
	SEER		19.5	19	20	20	15.5
	Capacity	Btu/h	10000	12000	18000	24400	49500
<b>Heating at 47F</b>	COP	W/W	4.08	3.16	3.08	3.36	3.0
	HSPF4		10.5	10	10.5	10.5	10.5
	HSPF5		9.2	8	8.6	8.3	8.7
<b>Indoor air flow (Hi/Med/Lo)</b>	m <sup>3</sup> /h	570/493/408	629/544/442	884/731/612	1394/1105/884	1904/1598/1156	2499/2006/1598
<b>Indoor noise level (sound pressure)</b>	dB(A)	38/35/31	44/37/31	41/39/37	53/48/43	53/51/47	52/49/46
	Dimension (W x D x H)(body)	mm	700x635x210	700x635x210	920x635x210	920x635x270	1140x775x270
<b>Indoor unit</b>	Packing (W x D x H)(body)	mm	815x655x290	815x655x290	1135x655x290	1150x655x350	1355x795x350
	Net/Gross weight(panel)	kg	18.1/22.8	19.1/23.4	23/27.5	26/31	34.6/41.6
<b>Room temperature</b>	Cooling	°C	17-32	17-32	17-32	17-32	17-32
	Heating	°C	0-30	0-30	0-30	0-30	0-30
<b>Operation temperature</b>	°C	17-30	17-30	17-30	17-30	17-30	17-30
<b>Qty/per 20' /40' /40'HQ</b>	Indoor unit	173/340/380	173/340/380	134/270/310	108/216/252	75/153/170	60/126/147



Outdoor unit

# Light Commercial -Outdoor unit

## Outdoor unit R410a ONOFF ▶

Model		YOD-24CDN1-N	YOD-36CDN1-N	YOD-48CDN1-N	YOD-60CDN1-D
Capacity	Btu/h	24000	36000	48000	60000
Power supply	V/Ph/Hz	220-230-1-60	220-230-1-60	220-230-1-60	220-3-60
	Model	ATF235D22UMT	ATF250D22UMT	ATQ420D1LUMU	ATQ420D1LUMU
Compressor	Type	ROTARY	ROTARY	ROTARY	ROTARY
	Brand	GMCC	GMCC	GMCC	GMCC
Outdoor noise level (sound pressure)	dB(A)	58.8	60.3	61.7	61.4
	Dimension (W x D x H)(body)	845x363x702	946x410x810	952x415x1333	952x415x1333
Outdoor unit	Packing (W x D x H)(body)	965x395x755	1090x500x875	1095x495x1480	1095x495x1480
	Net/Gross weight(body)	44.7/47.9	69/75	95/108	104/116
Ambient temperature	Cooling °C	0-50	0-50	0-50	0-50
Qty per 20' /40' /40'HQ	Outdoor unit	102/216/216	44/96/144	22/48/48	22/48/48

## Outdoor unit DC Inverter ▶

Model		YOD-24C-N	YOD-36C-N	YOD-48C-N	YOD-60C-D
Capacity	Btu/h	24000	36000	48000	60000
Power supply	V/Ph/Hz	220-230-1-60	220-230-1-60	220-230-1-60	220-230-3-60
	Model	PH370G2C-3MTU	LHT53NBAC	C-SBR145H16A	C-SB373H6A
Compressor	Type	ROTARY	ROTARY	SCROLL	SCROLL
	Brand	GMCC	mitsubishi	Panasonic	Panasonic
Outdoor noise level (sound pressure)	dB(A)	61.2	63.3	65.2	62.6
	Dimension (W x D x H)(body)	845x363x702	946x410x810	946x410x810	900x350x1170
Outdoor unit	Packing (W x D x H)(body)	965x395x755	1090x500x875	1090x500x875	1032x443x1307
	Net/Gross weight(body)	42.1/45.4	65.4/71.1	82/87.5	91.5/103
Ambient temperature	Cooling °C	18-43	18-43	18-43	18-43
	Heating °C	-7-24	-7-24	-7-24	-7-24
Qty per 20' /40' /40'HQ	Outdoor unit	102/216/216	44/96/144	44/96/144	275/710/8

## Outdoor unit High SEER ▶

Model		YOC-09HRN1	YOC-12HRN1	YOC-18HRN1	YOC-24HRN1	YOC-36HRN1	YOC-48HRN1
Capacity	Btu/h	9000	12000	18000	24000	36000	48000
Power supply	V/Ph/Hz	208-230V~ 60Hz, 1Ph	208-230-1-60	208-230-1-60	208-230-1-60	208-230-1-60	208-230-1-60
	Model	ASN98D22UFZ	ASM98D32UFZ	ASM135D32UFZ	ATF235D22UMT	ATF310D43UMT	ATQ420D1LUMU
Compressor	Type	ROTARY	ROTARY	ROTARY	ROTARY	ROTARY	ROTARY
	Brand	GMCC	GMCC	GMCC	GMCC	GMCC	GMCC
Outdoor air flow (Max.)	m3/h	1800	1900	2500	4000	4300	7600
Outdoor noise level	dB(A)	56	58	60	61	66	62.5
	Dimension (W x D x H)(body)	770x300x555	800x333x554	845x363x702	946x410x810	946x410x810	952x415x1333
Outdoor unit	Packing (W x D x H)(body)	900x345x585	920x390x615	965x395x755	1090x500x875	1090x500x875	1095x495x1480
	Net/Gross weight(body)	28/30.3	34.8/37.5	43.2/46.5	62/67.4	67.4/73	98.6/111.6
Ambient temperature	Cooling °C	-25-50	-25-50	-25-50	-25-50	-15-50	-15-50
	Heating °C	-25-30	-25-30	-25-30	-25-30	-15-30	-15-30
Qty per 20' /40' /40'HQ	Outdoor	166/344/344	108/219/292	102/216/216	44/96/144	44/96/144	22/48/48

Remark:

Specifications may be subject to change without prior notice. Final specifications please refer to Technology Specification shared by the sales representatives

## Icons Guide

### Energy Saving ▶



**ECO**  
Midea new energy-saving AC apply innovative ECO Mode, by pressing this button, AC will run into a 8-hour saving mode which cuts 60% energy off against normal mode.



**Intelligent Eye Detector**  
With the built-in infrared sensor, the indoor unit detects human movement. The AC will turn off if you leave the room for 30 minutes and turn on when you come back, which helps saving energy.




**1W Standby**  
Intelligent on-off technology enables Midea products automatically enter energy-saving mode when standby, cut energy consumption from normal 5W to 1W or 0.5 W per hour which counts 80%-90% of saving.




**Sleep Mode**  
The function enables the air conditioner to automatically increase cooling or decrease heating 1°C per hour for the first 2 hours, then holds steady for the next 5 hours, after that it will switch off. This function maintains both energy saving and comfort at night.


### Comfort ▶




**Follow Me**  
Temperature sensor built in the remote controller will sense its surrounding temperature. So the unit can adjust room temperature more accurately to give you comfort.




**3D Air Flow**  
Combines vertical and horizontal auto swing to ensure an even distribution of air throughout the room.




**Fast Cool/Heat Function**  
Once start this function, the compressor will maximize running frequency, thus you can enjoy cooling and heating in seconds.




**TURBO**  
This function gives you a boost in cooling and heating power for a period, and makes the room cool down or heat up rapidly.




**Mute Operation**  
Want to turn off the AC beep and display? By pressing mute operation, Midea AC help to give you a quiet and comfortable sleep.




**Silent**  
Indoor fan will run at super breeze speed and indoor noise level can be extremely low when the unit enters silent mode operation.




**12 Grades Indoor Fan Speeds**  
Up to 12 grades indoor fan speeds, ensure more accurate control and bring more comfortable air flow.




**5 Grades Outdoor Fan Speeds**  
Due to the DC fan motor, outdoor fan speeds increased from 2 grades to 5 grades, more comfortable and energy saving.




**Anti-cold Air Function**  
Indoor fan speed is regulated automatically from the lowest grade to the setting grade according to evaporator temperature when the unit just starts heating operation. This function can prevent cold air blowing out to avoid discomfort to the users.




**Temperature Compensation**  
The temperature sensed by indoor unit is always different from the actual floor temperature due to different installation heights of indoor unit. This function can revise this temperature difference to make a more accurate temperature control.




**8°C Heating**  
In heating operation, the preset temperature of the air conditioner can be as low as 8°C, which keeps the room temperature steady at 8°C and prevents the house from freezing when it is unoccupied for a long time in severe cold weather.




**Two-directional Airflow**  
In cooling mode, horizontal airflow does not blow cool air directly at the occupants in the room. In heating mode, vertical airflow provides powerful floor level heating. Precise airflow control makes your room more comfortable.




**360° Air Flow Panel**  
360° air outlet creates a soft and gentle air flow which circulates throughout the whole space and provides an even temperature distribution in the room.




**Auto Swing**  
Distributes cool/warm air to maximum area by moving horizontal flaps automatically.



**Self-evaporative System**  
The slinger-up system automatically recycle condensate water of evaporator to condenser, no need of water bucket. Bring more cooling power and improve cooling efficiency.



**Independent Dehumidification**  
Under independent dehumidification mode, AC will efficiently dehumidify the room.



**Smart Dehumidifying**  
Automatically control room humidity in a comfortable range 45%-55% according to room temperature, inhibit bacteria growth.

### Reliability ▶




**Refrigerant Leakage Detect**  
Indoor unit will show error code "EC" and stop automatically when refrigerant leakage is detected. This function can better protect compressor being damaged by high temperature due to refrigerant leakage.



**Self-diagnosis and Auto-protection**  
Once abnormal operation or parts failure happen, the unit will shut off automatically to protect the system. Meanwhile it will indicate protection or error code for fast service.



**Emergency Using**  
When temperature sensor error happens, the air conditioner will display error code and stop immediately, while Midea AC will indicate error and continue running in a proper status, to avoid the case that AC is in urgent need.




**Low Ambient Cooling**  
With built-in low ambient kit or special designed PCB, outdoor fan speed can be changed automatically according to condensation temperature. The air conditioner can run cooling operation even when the outdoor ambient temperature down to -15°C.



**Fire-proof Electric Box**  
Electrical control box adopts new design, which can meet higher fire safety requirement to prevent the internal fire due to electric spark accident.



**Auxiliary Electric Heater**  
With a built-in auxiliary electric heater, the heating system will be more powerful.




**Chassis Heating Belt**  
Heating belt is fitted on the base plate of outdoor unit to prevent defrosting water accumulated, which improves heat transfer efficiency.




**Compressor Heating Belt**  
Heating belt is fitted on the compressor of outdoor unit to prevent defrosting water accumulated, which improves heat transfer efficiency.




**Golden Fin**  
Effectively prevent bacteria breeding and improve heat transfer efficiency. The unique anti-corrosive golden coating on the condenser can withstand the salty air, rain and other corrosive elements.




**Auto Defrosting**  
Prevent evaporator from freezing and maintain dehumidifying effect under low temperature environment.



**High Density Filter**  
Compared with ordinary dust filter, the anti-dust effect of this high density filter can increase more than 50%, it can clean dust, pollen up to 80%.



**Silver Ion Filter**  
Sterilize bacteria effectively by decomposing cell wall of bacteria.



**Cold Catalyst Filter**  
Eliminate formaldehyde and other volatile organic compounds (VOCs) as well as harmful gases and odors.



**VC Filter**  
Release vitamin C which can eliminate active oxygen to beautify the skin.



**Bio Filter**  
Consist of a specialized biological enzyme and eco filter. The eco filter catches very small airborne dust particles and neutralizes bacteria, fungi and microbes. Biological enzyme kill bacteria by dissolving their cell wall thus it eliminating the problem of re-pollution.



**Compound Filter**  
Combine three filters from 8 different types including cold catalyst filter, vitamin C filter, negative ion filter, anti-mold filter, enzyme filter, nano-Pt filter, nano-Ag filter, multifunction filter to meet various needs simultaneously.



**Plasma**  
Generate a high voltage electrostatic zone, absorb and eliminate dust, smoke and pollen particles. It also deodorizes air by removing tobacco odors, garbage smells etc.



**Super Ionizer**  
Release positive and negative ions, eliminate odor, dust, smoke and pollen particles to give you fresh and healthy air.



**Self-cleaning**  
Indoor unit will continue running at special combined mode to blow and dry indoor evaporator after the unit switched off so as to keep clean and healthy.



**Fresh Air**  
Air outside can be lead into the room via a connection pipe, which keeps the indoor air fresh and healthy.



**Ionizer**  
Release negative ions, eliminate odor, dust, smoke and pollen particles to give you fresh and healthy air.

## Icons Guide

### Convenience ▶



#### Manual ON/OFF

You can easily turn on/off your AC by pressing manual switch button, without using a remote controller or any special tools.



#### Digital Display

If you want to check the function status, just press your remote button, Midea digital display will show ON/OFF to you.



#### Remote in Engineer Mode

Main Functions can be changed by modifying programs of remote controller, you can design your most comfortable settings and delete those you don't need.



#### Front Desk Control

With a smart control board, Midea air conditioners can be turned on/off via long distance control signals.



#### Wired Control

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



#### Central Control Management

The centralized controller is a multi-functional device that can control up to 64 indoor units within a maximum connection length of 1000m.



#### WiFi Control

With the WiFi control, you can easily turn off the AC outside your house via smart device. Furthermore, you can turn it on before you come back.



#### Mono & Multi Compatible

Compatible indoor unit for both mono and multi inverter system. It comes in handy for warehouse management.



#### Louver Position Memory

Horizontal louver will automatically move to the same position as you set last time when the unit turned on.



#### Auto Restart Function

If the air conditioner breaks off unexpectedly due to the power cut, it will restart with the previous setting mode automatically when the power resumes.



#### 2-way Draining

Both left and right sides of indoor unit are possible for drainage hose connection, easy for installation.



#### Timer

Set the unit to start and stop automatically in a 24h period.



#### Build-in Drain Pump

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



#### Convenient Handle

Ergonomic handle makes the carrying much easier and convenient.



#### Transparent Water Level Indication

Easy indicate the water level and empty the water tank timely.



#### Omni-directional Caster

The integrated swivel casters make the portable AC easier to move.



#### Twin Combination

The units can be installed as twin systems: one outdoor unit can be connected with two same indoor units. The indoor units can be combined in any of the different available ratings.



#### Dryer Mode

Intelligent dryer mode to dry up clothes quickly.