



 Midea



MIDEA HEATING AND COOLING

MULTI SPLIT



CARVED FROM 50 YEARS OF EXPERIENCE

make yourself at home

Midea, established in 1968 is a public company listed and since July 2016 a Fortune 500 company offering one of the most comprehensive ranges in the home appliances industry. Midea specializes in **air treatment** (residential and commercial solutions), refrigeration, laundry, cooking appliances, small kitchen appliances, water appliances, water appliances, floor care and lighting.

more than
\$36Bn
of revenue in
2017

serve
customers in
200+
countries

32
global
production
facilities

136,800
employees
worldwide

global Fortune
500
company





Application Scenario:
Small Office Building
Area: 500-1000m²

Midea Multi Split Systems

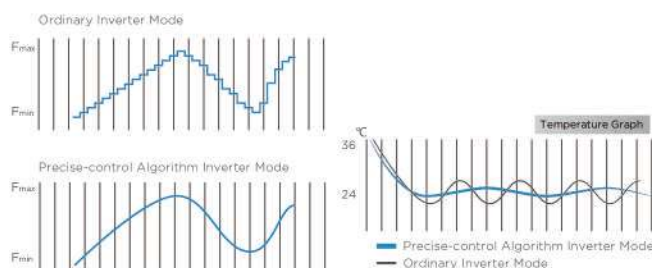
Our Technology:

THE EXCLUSIVE INVERTER QUATTRO™ TECHNOLOGY



A brain that calculates your needs in any conditions

Midea's Genius Core Energy Chip with Precise-control Inverter Deduction Algorithm reduces energy loss by enabling more precise signal reception, accurate data processing, and prompt delivery of instructions to the compressor. As a result, Midea's inverter compressor offers more stable operation than common inverters. Its super-smooth inverter frequency of variation ensures you never notice fluctuations in room temperature.



Up to **71%**
Ultra Energy Saving

65Hz in **6** seconds
Flash Cooling/Heating

Within
±1°C
Comfort With
Stable Temperature

Superior operation from
60 to -30°C
High Ambient Cooling/Heating

FULL DC INVERTER SYSTEM

Thanks to the Full DC Inverter System, Midea's air conditioners achieved 20% higher **energy efficiency compared to** normal AC inverters.

On top of the Midea's Full DC Inverter System, the Genius Core is an intelligent commander that keeping the harmony internally and externally.



Sine-wave
DC inverter control



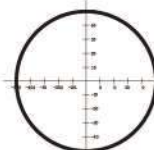
Rear-earth
magnet motor



IPM DC
Fan Motor



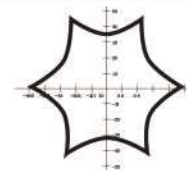
Vector Shaped Motor



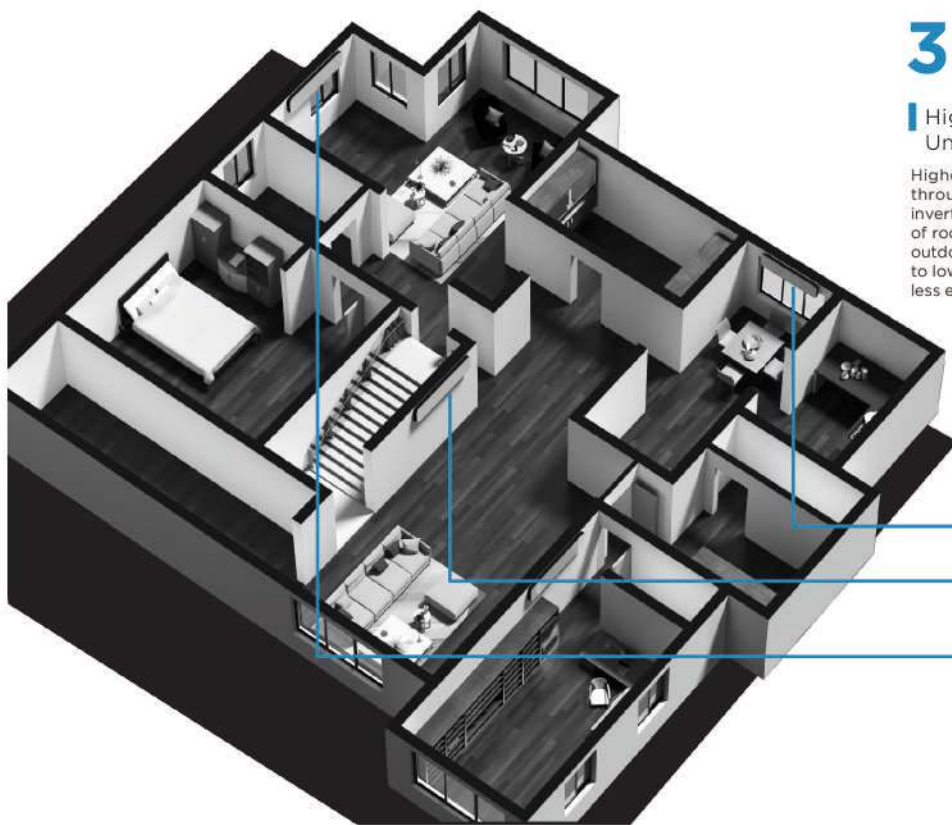
Smooth moving
High Efficiency



Conventional



Hard moving
Low Efficiency



30%

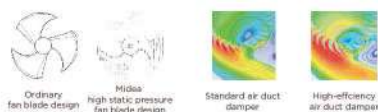
Higher Energy Efficiency Under Partial load

Higher efficiency can be achieved through partial output mode of the inverter compressor. In situations only a part of rooms that need air conditioning, the outdoor unit will run with partial output to lower the power consumption. Up to 30% less energy use under partial load



Bionic Blower Wheel and Improved Air Duct

Based on natural models and bionic principles, Midea's fan blade design can effectively reduce airflow resistance and noise. Together with the optimized air duct, it deliver the same air flow volume with 30% less energy consumption.



V-PAM (Vector + I-PAM) Inverter Control

V-PAM inverter control reduces the effects of magnetic flux and increases the maximum speed and efficiency of the compressor by vector control technology. With this technology, further miniaturization, higher efficiency, and better performance are attained.

Full DC Inverter Control



Twin-Rotary Compressor

The Twin-Rolling compressor system rotating with 180° symmetrical balance which ensure low vibration & noise due to the small torque.

Inner Groove-Tube

A densely serrated shape has been applied to the copper to enlarge the heat exchange area. The latest heat exchanger has increased the tooth-count from 45 to 54, further improving the efficiency of heat transfer.

MULTI ODU



Multi ODU	Cooling Capacity(kW)	Heating Capacity(kW)	Max. IDU amounts
MULMI0371B	7.10 (3.22-8.79)	7.50 (2.05-8.79)	Up to 3 units
MULMI0480B	8.00 (3.28-10.08)	8.50 (2.49-10.40)	Up to 4 units
MULMI0511B	10.50 (2.63-11.72)	11.00(2.63-12.30)	Up to 5 units
MULMI0513B	13.50 (2.63-14.65)	14.00 (2.63-15.24)	Up to 5 units

WIRED CONTROLLER

Wired Controller Feature List



***Come in the box for all cassette and ducted systems.**

***Optional for Xtreme split system.**

Two-way communication(4- wired)	√
Temperature range	17~30℃ 62~88 °F
Infrared signal receiver	√
Backlight	√
Buzzer	√
Touch Button	√
ON/OFF	√
Mode	√
Temp Adjustment	√
Fanspeed	√
Turbo	√
Follow Me	√
24-hour System	√
12-hour System	√
Weekly Timer	√
Timer ON/OFF	√
Automatic airflow test	√
Child Lock	√
Error code display	√
Setting Temp Limit	√
Mode Locking	√
ESP Setting	√
Temp Query and Error Display	√

WIRELESS CONTROLLER

Wireless Controller Feature List



***Come in the box for all split system.**

***Optional for all cassette and ducted systems.**

(To use a wireless controller , a ducted system will require a wired controller as a signal receiver.)

Temperature range	17~30°C 62~86 °F
Backlight	√
Press Button	√
ON/OFF	√
Mode	√
Temp Adjustment	√
Fanspeed	√
Turbo	√
Follow Me	√
Timer ON/OFF	√
Child Lock	√
Self-cleaning	√
Dry	√
Fresh air	√
Setting Temp Limit	√

MULTI SPLIT OUTDOOR



MULMI037IB



MULMI0480B



MULMI051IB



MULMI0513B

Model Number		MULMI037IB	MULMI0480B	MULMI051IB	MULMI0513B
Cooling	Power supply	Ph-V-Hz	220-240-1-50	220-240-1-50	220-240-1-50
	Capacity (Indoor+Outdoor)*	KW	7.1	10.5	13.5
	Power Input (Indoor+Outdoor)*	KW	1.95	3.20	3.73
	Rated current (Indoor+Outdoor)*	A	8.68	14.65	17.8
	EER (Indoor+Outdoor)*	W/W	3.64	3.28	3.62
Heating	Capacity (Indoor+Outdoor)*	KW	7.5	11.0	14.0
	Power Input (Indoor+Outdoor)*	KW	1.64	2.75	3.15
	Rated current (Indoor+Outdoor)*	A	7.51	12.59	16.2
	COP (Indoor+Outdoor)*	W/W	4.57	4.00	4.44
	Max.current	A	17.5	22.0	30
Outdoor unit	Dimension(H*W*D)	mm	673x890x342	810x945x410	975x980x415
	Packing (H*W*D)	mm	750x1030x438	875x1090x500	1080x1145x500
	Net/Gross weight	Kg	48.1/51.6	66.2/71.6	75.9/81.6
Refrigerant	Type		R32	R32	R32
	Pre-charged length	m	3 x 10	5 x 10	5 x 10
Refrigerant piping	Liquid side		3 x Φ6.35 (1/4")	4 x Φ6.35 (1/4")	5 x Φ6.35(5x1/4")
	Gas side		3x Φ9.52 (3/8")	3 x Φ9.52 (3/8") + 1 x Φ--12.7 (1/2")	3xΦ9.52+2x Φ12.7(3x3/8"+2x1/2")
	Max. length for all rooms	m	60	80	80
	Max. length for one indoor unit	m	30	35	35
	Min. length for one indoor unit	m	9	12	12
Max. height difference (m)	OU to IU		15	15	15
	IU to IU		10	10	10

MULTI SPLIT HIGH WALLS



APOLLO

Capacity		2.6KW	3.5KW	5.0kw	7.0kw
Model Number	Indoor	MFAB26B	MFAB35B	MFA B50B	MFA B70B
Power supply	Ph-V-Hz	220-240V,1Ph,50Hz	220-240V,1Ph,50Hz	220-240V,1Ph,50Hz	220-240V,1Ph,50Hz
Rated Cooling	Capacity	kW	3.50	5.00	7.10
Rated Heating	Capacity	kW	4.00	6.00	8.00
Indoor air flow (Turbo/Hi/Mi/Lo/Silence)	m ³ /h	700/500/480/350	700/500/480/350	1322/1091/975/868/0	0/1165/1053/933/0
Indoor noise level / (Turbo/Hi/Mi/Lo/Silence)(sound pressure)	dB(A)	36.5/33.5/27/22.5	37/33/25.5/22	48/46/42.5/32	48.5/45.5/42.5/34.5
Outdoor sound pressure level	dB(A)	54	55	58.5	61
Indoor unit	Dimension(W*D*H)	mm	802×189×297	1080×226×335	1080×226×335
	Packing (W*D*H)	mm	875×285×380	1155×415×320	1155×415×320
	Net/Gross weight	Kg	8.5/10.9	13.5/17.1	13.7/17.3
Refrigerant piping	Liquid side/ Gas side	mm(inch)	6.35MM(1/4IN)/ 9.52MM(3/8IN)	6.35MM(1/4IN)/ 12.7MM(1/2IN)	9.52MM(3/8IN)/ 15.9MM(5/8IN)

MULTI SPLIT HIGH WALLS



Xtrema

Capacity		2.0KW	2.6KW	3.5KW	5.0kw	6.0kw	7.0kw	8.0kw
Model Number	Indoor	MFAG20N	MFAG26N	MFAG35N	MFAG50N	MFAG60N	MFAG70N	MFAG80N
Power supply	Ph-V-Hz	220-240V/1Ph,50Hz	220-240V/1Ph,50Hz	220-240V/1Ph,50Hz	220-240V/1Ph,50Hz	220-240V/1Ph,50Hz	220-240V/1Ph,50Hz	220-240V/1Ph,50Hz
Rated Cooling	Capacity	kW	2.65	3.55	5.00	6.00	7.00	8.00
Rated Heating	Capacity	kW	2.70	4.00	5.20	6.20	7.50	8.50
Indoor air flow (Turbo/Hi/Mi/Lo/Silence)	m ³ /h	550/460/340/270/170	660/500/360/300/200	660/530/380/310/210	950/800/600/500/322	950/800/600/500/322	1375/1090/900/825/530	1375/1090/900/825/530
Indoor noise level / (Turbo/Hi/Mi/Lo/Silence)(sound pressure)	dB(A)	43.0/38/31.5/30/25	46.4/39/32.5/30/24.5	46.7/39/32.5/30/24.5	47.1/44.5/38/34.5/28	47.1/44.5/38/34.5/28	57.6/45/39/33.5/29.5	57.6/45/39/33.5/29.5
Indoor noise level (sound power)	dB(A)	53	55	56	57	59	63	64
Indoor unit	Dimension(W*D*H)	726x210x291	835x208x295	835x208x295	969x241x320	969x241x320	1083x244x336	1083x244x336
	Packing (W*D*H)	775x255x355	890x275x340	890x275x340	1030x300x390	1030x300x390	1140x300x400	1140x300x400
	Net/Gross weight	Kg	8.0/10.3	8.5/11.1	11.1/14.4	11.1/14.4	13.3/17.0	13.3/17.0
Refrigerant piping	Liquid side/ Gas side	mm(inch)	6.35mm(1/4in) /9.52mm(3/8in)	6.35mm(1/4in) /9.52mm(3/8in)	6.35mm(1/4in) /12.7mm(1/2in)	6.35mm(1/4in) /12.7mm(1/2in)	9.52mm(3/8in) /15.9mm(5/8in)	9.52mm(3/8in) /15.9mm(5/8in)

DUCTED CONNECTED



MULMID09B
MULMID12B
MULMID18B
MULMID24B

Model Number			MULMID09B	MULMID12B	MULMID18B	MULMID24B
Cooling	Capacity	KW	2.6	3.5	5	7
Heating	Capacity	KW	2.9	3.8	5.5	7.6
Indoor air flow		m ³ /h	500/340/230	600/480/300	911/706.3/515.2	1229/1035/825
External Static Pressure	Rated	Pa	25	25	25	25
	Range	Pa	0-40	0-60	0-100	0-160
Indoor noise level (Hi/Mi/Lo)		dB(A)	40/34.5/27.5	34.5/32/30	42/39/35	49/46/41
Indoor unit	Dimension (H*W*D)	mm	200x700x450	200x700x506	210x880x674	249x1100x774
	Packing (H*W*D)	mm	275x860x540	285x860x540	280x1070x725	315x1305x805
	Net/Gross weight	kg	18/22	17.8/21.5	24.4/29.6	32.3/39.1
Design pressure		MPa	4.3/1.7	4.3/1.7	4.3/1.7	4.3/1.7
Drainage water pipe diameter		mm	ODΦ25	ODΦ25	ODΦ25	ODΦ25
Refrigerant piping	Liquid side/ Gas side	mm	Φ6.35/Φ9.52(1/4"/3/8")	Φ6.35/Φ9.52(1/4"/3/8")	Φ6.35/Φ12.7(1/4"/1/2")	Φ9.52/Φ15.9(3/8"/5/8")
Standard Thermostat type			Wired control	Wired control	Wired control	Wired control

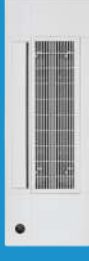
COMPACT CASSETTE



MULMIC07B
MULMIC09B
MULMIC12B
MULMIC18B

Model Number		MULMIC07B	MULMIC09B	MULMIC12B	MULMIC18B
Cooling	Capacity	KW	2.0	2.6	3.5
Heating	Capacity	KW	2.35	2.93	4.1
Indoor air flow		m ³ /h	580/500/450	580/500/450	617/504/415
Indoor sound pressure level		dB(A)	38/33/29	38/33/29	41/37/34
Dimension (H*W*D)		mm	260x570x570	260x570x570	260x570x570
Indoor unit	Packing (H*W*D)	mm	317x662x662	317x662x662	317x662x662
	Net/Gross weight	kg	14.5/17.3	14.5/17.3	16.2/21.4
Design pressure		MPa	4.6/1.7	4.6/1.7	4.2/1.5
Drainage water pipe diameter		mm	ODØ25	ODØ25	ODØ25
Refrigerant pipingLiquid side/ Gas side		mm	Ø6.35/Ø9.52(1/4"/3/8")	Ø6.35/Ø9.52(1/4"/3/8")	Ø6.35/Ø9.52(1/4"/3/8")
Standard Thermostat type			Remote control	Remote control	Remote control

ONE WAY CASSETTE



MULMIO09
MULMIO12
MULMIO09

Capacity		2.6KW	3.5KW	5.0KW
Model Number	Indoor	MULMIO09	MULMIO12	MULMIO09
Power supply	Ph-V-Hz	220-240V,1Ph,50Hz	220-240V,1Ph,50Hz	220-240V,1Ph,50Hz
Rated Cooling	Capacity	kW	3.60	5.00
Rated Heating	Capacity	kW	3.90	5.20
Indoor air flow (Turbo/Hi/Mi/Lo/Silence)	m ³ /h	188/166/141/97	1188/166/141/97	188/166/141/97
Indoor noise level / (Turbo/Hi/Mi/Lo/Silence)(sound pressure)	dB(A)	43/40/36/27	43/40/36/27	43/40/36/27
Outdoor sound pressure level	dB(A)	60	60	60
Indoor unit	Dimension(W*D*H)	1278x335x228	1278x335x228	1278x335x228
	Packing (W*D*H)	1463x571x575	1463x571x575	1463x571x575
	Net/Gross weight	Kg	20.1/35.8	20.1/35.8
Refrigerant piping	Liquid side/ Gas side	mm(inch)	6.35mm(1/4in)/12.7mm(1/2in)	6.35mm(1/4in)/12.7mm(1/2in)

World's No.1 Air Treatment Company



Source Euromonitor International
(Shanghai) Limited; Consumer Appliances 21ed, retail volume sales
in unit, 2020 data.

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