



MULTI-SPLIT SYSTEM

THE RIGHT AIR SOLUTION FOR
MULTIPLE +SPACE



ELECTRICITY COST REDUCTION SOLUTION

UP TO 142% HIGH COMBINATION RATE

The inverter compressor offers better efficiency under partial output. When not all the rooms require air conditioning, the multi-split outdoor unit will run with partial output and lower the power consumption, while for single split solution, each of the outdoor unit is still operating 100% output with lower efficiency. So it can save lots of bill cost.



INVERTER QUATTROTOM

30%
save up to 30% energy consumption



PARTIAL LOADING

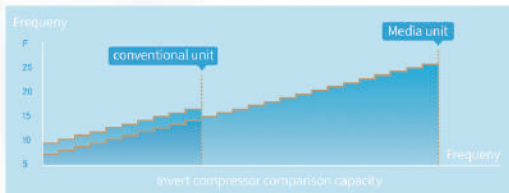
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WIDE OPERATION RANGE

Up to 25 stages (F1-F25) of compressor frequency, and the frequency range is from 20Hz to 105Hz, increasing by around 70%. More comfortable and energy saving due to smooth and accurate control.

25 stages

Up to 25 stages (F1-F25) of compressor frequency



ACTIVE POWER FACTOR CORRECTION

The With advance active PFC control, the input current waveform and voltage waveform get phase synchronization, about 88% to 99% of the input power supply is used effectively.

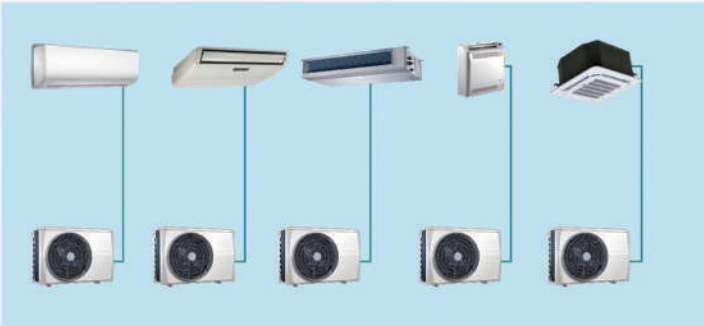
88% to 99%

It USES 88% to 99% of the input power effectively

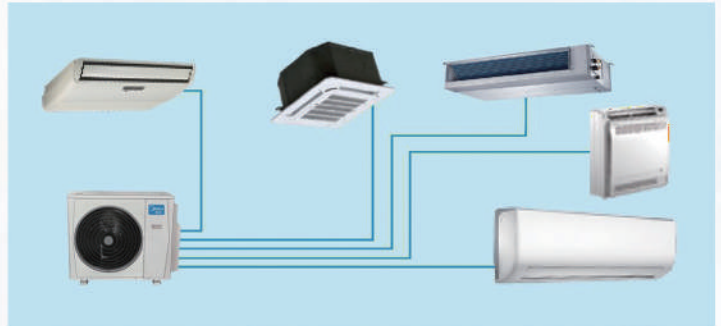


20% LESS INITIAL COST

CUT THE COST OF PRODUCT



DECREASE THE FEE OF INSTALLATION



BEST INSTALLATION SOLUTION FOR MULTIPLE SPACE

- Up to 66% Space Saving
- 275 Different Combinations
- Up to 80m Piping Length
- Flexible IDUs Addition
- Universal Indoor Units
- Automatic Wiring/Piping Correction

EASIER OUTDOOR UNITS INSTALLATION

The compact space, such as apartments, CBD offices and countryside houses, needs area-efficient installation solution. Midea Multi-split unit saves up to 66% installation space of outdoor unit. It solves the problems of multiple rooms cooling & heating with little available space, since it's easier to place the air cabinet in balcony or just outside of room. The whole space goes to be concise and aesthetic.

248%

Midea Multi-split unit saves up to 248% installation space of outdoor unit



(*Data applied to 42K Multi-split ODU and 12K Single-split ODU)

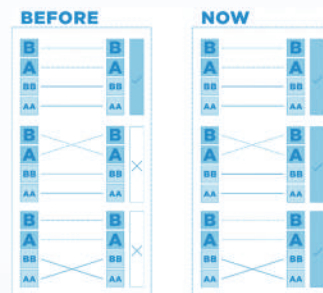
PIPING LENGTH & HEIGHT

Outdoor units	MAX.LENGTH		MAX.HEIGHT	
	Total length	One indoor	Between indoor and outdoor	Between ind and indoor
1 drive3	60	30	15	10
1 drive4	80	35	15	10
1 drive5	80	35	15	10

LONG PIPING



AUTOMATIC WIRING/PIPING CORRECTION



Indoor Units

FLEXIBLE USAGE SOLUTION



High Wall Split



EASY INSTALLATION & MAINTENANCE

Spare 20% installation time and save maintenance labor with new design and universal PCB



HIGH DENSITY FILTER

80% of dust and pollen will be cleaned and anti-dust effect increases by 50%.



WIFI CONTROL (OPTIONAL)

With WIFI module inside, it realizes easy control with smart phone at home or outside. Flexible combination and free collocation according to your demand.



A6 Duct



AUTO AFV MATCH

Equipped with Auto AFV Match technology, A6 Duct is programmed to deliver exactly enough airflow volume to every room with lower noise level.



CONCEALED INSTALLATION

The thinner body dimension allows A6 duct to install in ceiling. It's invisible and good for room decoration effect.



FLEXIBLE AIR INTAKE

The air can be taken in from back or from bottom, which can fulfill different installation and decoration demands.



COMPACT CASSETTE



COOLSURROUND

The Cassette's airflow design allows cool air to diffuse and sink evenly, offering uniform cooling experience throughout the space.



LOUVER POSITION MEMORY

The louver will return back to its previous position when you restart the AC, allowing you to enjoy your preferred coolness settings every time you turn on the unit.



AIR SHARE OUTLET

Reserved external air duct should be more flexible for the air supply.

Specifications

Indoor Model		Bulkhead 2.6kW	Bulkhead 3.5kW	Bulkhead 5.0kW	Bulkhead 7.1kW	Compact Cassette 5.0kW
SKU		MULMD09B	MULMD12B	MULMD18B	MULMD24B	MULMC18B
Voltage type/ Supply frequency	/	220-240V,1Ph / 50Hz				
Fan Model	/	ZKFN-55-8-22-1	ZKFN-55-8-22-1	ZKFN-160-8-1-2	ZKFN-160-8-1-2	ZKFP-46-8-1
Input	W	180	185	200	200	102
Max.Current	A	1.1	1.1	1.3	1.3	1
Cooling Capacity	kW	2.6	3.5	5	7	5
Heating Capacity	kW	2.9	3.8	5.5	7.6	5.4
Pipe Size		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")	Φ6.35/Φ12.7(1/4"/1/2")
Indoor coil - Number of rows	/	3	3	3	3	2
Indoor coil -Tube outside dia	mm	Φ7				
Indoor coil -Tube outside type	/	Inner groove tube				
Indoor coil - Tube pitch(a)x row pitch(b)	mm	21x13.37				
Indoor coil - Fin spacing	mm	1.4	1.4	1.4	1.4	1.3
Indoor coil - Fin type (code)	/	Hydrophilic aluminum				
Indoor coil -Coil length x height x width	mm	526x210x40.11	526x210x40.11	695x252x40.11	915x294x40.11	1360x210x26.74
Indoor coil - Number of circuits	/	4	4	4	7	4
Body Dimension(W*D*H)	mm	700x506x200	700x506x200	880x674x210	1100x774x249	570x570x260
	inch	27.56x19.92x7.87	27.56x19.92x7.87	34.65x26.54x8.27	43.31x30.47x9.8	22.44x22.44x10.24
Packing Dimension(W*D*H)	mm	860x540x285	860x540x285	1070x725x280	1305x805x315	662x662x317
	inch	33.86x21.26x11.22	33.86x21.26x11.22	42.13x28.54x11.02	51.38x31.69x12.4	26.06x26.06x12.48
Net weight/Gross weight	kg	18/22	17.8/21.5	24.4/29.6	32.3/39.1	16/20.6
	lb	39.68/48.5	39.24/47.4	53.79/65.26	71.21/86.2	35.27/45.41
Indoor side air flow(Hi)	m3/h	500	600	911	1229	680
	CFM(ft3/min)	294.12	352.94	535.88	722.94	400
Indoor side air flow(Mi)	m3/h	340	480	706.3	1035	584
	CFM(ft3/min)	200	282.35	415.47	608.82	343.53
Indoor side air flow(Lo)	m3/h	230	300	515.2	825.1	479
	CFM(ft3/min)	135.29	176.47	303.06	485.35	281.76
Drainage water pipe dia	/	ODΦ25mm				
Throttle type	/	Outdoor	Outdoor	Outdoor	Outdoor	Outdoor
Loading quantity 20'GP	set	214	214	120	77	186
Loading quantity 40'GP	set	461	461	264	161	375
Loading quantity 40'HQ	set	519	519	297	198	429

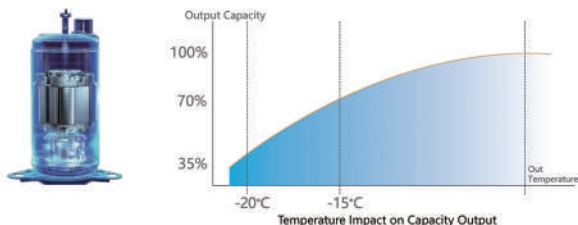
Outdoor units

RELIABILITY & DURABILITY SOLUTION

Specifications

-20°C XTREMEHEAT

Extraordinary performance means 70% of output capacity even under the outdoor temperature of -15°C and Midea multi-split system keeps working under -20°C ambient temperature. So that the warm and comfortable indoor environment can be guaranteed.



RELIABILITY TECHNOLOGIES

RELIABLE INVERTER COMPRESSOR

The inverter compressor can withstand cold weather to keep operating. A wider frequency range of compressor can raise the operation frequency to compromise the negative effects caused by bad conditions and ensure continuous heating.

HEATING BELT(optional)

The heating belt can ensure the good start-up of the compressor under extremely cold conditions. It keeps preheating the remaining engine oil in compressor to prevent any risks from making impact on normal operation.

BASE PAN HEATER(optional)

The base pan heater can quickly melt snow and ice on the outdoor unit, ensuring its efficiency and constantly meeting winter heating requirements.

DURABILITY TECHNOLOGIES

WIDE VOLTAGE OPERATION

The wide range of voltages that our units can operate under means they offer increased suitability in areas with variable power supply conditions. A range between 150V-260V is supported under 50Hz within a single phase condition.

GOLDEN FIN

The indoor unit and outdoor unit of inverter Multi-split, both have the golden fin. The unique hydrophilic golden coating on aluminum fin of the heat exchangers can help ODU withstand the salty air, rain and other corrosive elements and prevents IDU from bacteria breeding and spreading. It also effectively improves the system's efficiency.

-15°C FROSTFREE

Midea Multi-split system remains 65% of output capacity under the outdoor temperature of -15°C. The machine decreases the speed of fan motor to restrain the heat exchange efficiency of refrigerant pipe of outdoor unit. The heat of refrigerant pipe reserves to protect the outdoor unit from frosting in cold weather. It can still cool the server rooms as always.



65% OUTPUT CAPACITY
-15°C AMBIENT TEMPERATURE

CONTROL TALENTS



- Control up to 64 IDUs
- Control 1 IDU independently
- Control all IDUs synchronously



- Basic functions
- Follow me
- Weekly timer
- Auto AFV Match(Inverter Duct)
- Individual louver control(Cassette)



- All basic functions
- Economic Mode
- 2 swing control
- 24 hours timer
- Optional for all indoor units

Midea Multi			R32 new 1drive 4 model	R32 new 1drive 5 model	
Model Number			MULMI0480B	MULMI0511B	
Power supply		Ph-V-Hz	220~240-1-50	220~240-1-50	
Cooling	Capacity (Indoor+Outdoor)*	W	8700	10500	
	Power Input (Indoor+Outdoor)*	W	2630	3050	
	Rated current (Indoor+Outdoor)*	A	9.61	13.96	
	EER (Indoor+Outdoor)*	WWW	3.31	3.44	
	Standby Power	W	16.0	19.0	
	AEER (Indoor+Outdoor)*	WWW	3.24	3.37	
Heating	Capacity (Indoor+Outdoor)*	W	8800	11000	
	Power Input (Indoor+Outdoor)*	W	2280	2820	
	Rated current (Indoor+Outdoor)*	A	8.92	12.91	
	COP (Indoor+Outdoor)*	WWW	3.86	3.90	
	Standby Power	W	16.0	19.0	
	ACOP (Indoor+Outdoor)*	WWW	3.77	3.81	
Max. input consumption		W	4150	4150	
Max. current		A	19.0	19.0	
Compressor	Type	—	Twin-Rotary	Twin-Rotary	
	Brand		GMCC	GMCC	
	Model	—	KTM240D57UMT	KTF310D43UMT	
	Capacity	Btu/h	26409	34154	
	Input	W	2085	2765	
	Rated current(RLA)	A	9.45	5.38	
	Oil Type	—	ESTER OIL VG74		
	Initial Charge	ml	670	1000	
Protection			Max. Current Cut-out		
			IPM current protection		
			High and low Voltage Cut-out		
			HP / LP switches		
			Cond temp Sensor		
Outdoor fan motor			Discharge Temperature Sensor		
	Model		ZKFN-120-8-2/WZDK120-38-G-W		
	Qty		1	1	
	Brand		Welling	Welling	
	Output	W	120	120	
	Input	W	150	150	
	Current	A	1.21	1.21	
	Speed	r/min	900/750/600	900/750/600	
Outdoor air flow	m3/h	3900	3950		
Outdoor coil	a.Number of rows		2	2.6	
	b.Tube pitch(a)x row pitch(b)	mm	25.4x22	25.4x22	
	c.Fin spacing	mm	1.3	1.4	
	d.Fin type (code)		Hydrophilic aluminium		
	e.Tube outside dia.and type	mm	Φ9.52, innergroove tube		
	f.Coil length x height x width	mm	995x762x44	995x762x22+960x762x22+580x762x22	
	g.Number of circuits			6	
Outdoor noise level (sound power)	dB(A)	68	72		
Outdoor unit	Dimension(W*D*H)	mm	946x410x810		
	Packing (W*D*H)	mm	1090x500x875		
	Net/Gross weight	Kg	66.2/71.6	75.9/81.6	
Refrigerant	Type		R32		
	Pre-charged length	m	4 x 10	5 x 10	
	Factory Pre-Charge	g	2400	2950	
	Additional Pre-Charge	g/m	12		
Refrigerant piping	Liquid side		4 x Φ6.35 (1/4")	5 x Φ6.35 (1/4")	
	Gas side		3 x Φ9.52 (3/8") + 1 x Φ12.7 (1/2")	4 x Φ9.52 (3/8") + 1 x Φ12.7 (1/2")	
	Adaptor			Adaptor:9.52-12.7:1pcs	Adaptor:9.52-12.7:1pcs
				Adaptor:12.7-9.52:1 pcs	Adaptor:12.7-9.52:1 pcs
				Adaptor:12.7-16:1pcs	Adaptor:12.7-16:1pcs
				Adaptor:9.52-6:1pcs	Adaptor:9.52-6:1pcs
	Max. length for all rooms		80	80	
	Max. length for one indoor unit		35	35	
	Min. length for one indoor unit		12	15	
	Max. height difference	OU to IU	15	15	
IU to IU		10	10		
Ambient temperature	cooling	℃	-15~50	-15~50	
	heating	℃	-25~30	-25~30	

WIFI MODULE (OPTIONAL)



SMART DIAGNOSIS

A automatic monitoring system detects and diagnoses 97 types of errors at early stage and notifies you via the smartphone app.



WEEKLY TIMER

Set the air conditioner's schedule for a whole week. Choose when you want it to turn on and off. You can enjoy the comfort that fits your schedule.



DOWNLOAD CONVENIENCE

Google play/App store to download the smart air conditioner control app into devices.