Midea

Freedom Air Conditioning Price List 2021

GAME CHANGING HVAC SOLUTIONS

www.freedomac.co.uk/midea

CONTENTS

MI DISCOUNT

SPLIT SYSTEMS

%

MULTI SPLIT SERIES

%

VRF OUTDOORS

%

VRF INDOORS

%

WARRANTY TERMS

CUSTOMER REF:


Atlantis Hotel Dubai


Camp Nou Barcelona


UAE 5000 Villas Accommodation

Hilton Hotel Barcelona


2018 FIFA World Cup Russia
7 Stadiums


Beijing Capital Airport


NH Laguna Palace Hotel Italy


2016 Olympics Rio Brazil
12 Stadiums


Forest City Malaysia

A WORLD CLASS OPERATION

Established in 1968, Midea is one of the world's fastest growing companies – ranked number 229 by Forbes Global in 2020 – and a global manufacturer with factories in twelve countries across the world.

A TRUE GLOBAL PLAYER

With facilities in China, USA, Japan, Germany and Italy, Midea boasts an annual global HVAC capacity of over 52 million systems. In 2019 HVAC total global sales output reached over 40 million systems. This affirms Midea's place as the WORLD'S No 1 MANUFACTURER of HVAC products.

A DECADE OF GROWTH

Midea annual sales in the last ten years have grown from $12bn to $40bn per annum based on a simple strategy of providing innovative, affordable, robust and reliable air conditioning products. With automated production facilities in twelve countries, served by Midea owned German robotic automation, Midea provide GLOBAL manufacturing accuracy that is only matched by companies such as BMW and Mercedes Benz.

Manufacturing a comprehensive range of systems including; DX split systems (1kW to 70kW), VRF systems (3HP to 88HP), Air Cooled Chillers (25kW to 2000kW), Water Cooled Screw Chillers (365kW to 985kW), Air Handling units (200m3/hr to 240,000m3/hr) and even the world's most economical 7000kW Centrifugal Chiller, we can offer solutions for any environment.

INTERNATIONAL RECOGNITION

With over 40 design awards including reddot, iF, and the Good Design Awards, Midea also became the first manufacturer to receive the Eco-Friendly Blue Angel certification from the German environment agency after launching the world's first eco-friendly air conditioner.

FIVE STAR SUCCESS STORIES

With an operating temperature range, from -32°C to +67°C, Midea is the perfect choice for air conditioning in some of the world's harshest climates. This is demonstrated by a host of high profile customer success stories including the 2016 Rio de Janeiro Olympic Games, the 2018 FIFA World Cup in Russia and some of the largest VRF projects in the world.

150,000+
employees

$40.5 B
total revenue

229TH
on the
Forbes Global

OWNERSHIP STAKES
80% Clivet Italy
95% Kuka Robotics
80% Toshiba Lifestyle
Corporation Japan

ABOUT MIDEA UK & IRELAND

Having achieved over 20% market share in Europe by 2017, Midea, the world's largest air conditioning manufacturer realised that further growth was going to be difficult, especially in countries where the status quo had remained relatively unchanged. This was specifically true in the unique UK market which needed a strategic offering that wasn't based on price alone.

Midea understood the reluctance of UK installers to change manufacturers, due to a fear of poor support and after sales and the apparent need to meet alternative brand targets, believing this will support the competitive tender for pre-specified business.

A TRUE BUSINESS PARTNERSHIP IN EVERY SENSE

To overcome this reluctance Midea UK made the commitment to helping its customers not only win new business but retain business if they help to support and encourage the long term care of our products.

This was achieved by the introduction of the Mi Pro Partnership Program which rewards certified FGAS installers for installation and commissioning of the systems as well as the ongoing service and maintenance. Periodically maintaining the products after a professional FGAS installation not only offers the end user the lowest possible long-term running costs but also significantly reduces the wear and tear of the equipment's key components.

This is backed up with an end user warranty of up to 10 years - the market's longest – for regularly maintained systems.

As well as all Mi Pro Partners being awarded the maximum piping length refrigerant contributions @ £/€25/Kg, Mi Pro Rewards are given for every registered installation and end user service agreement.

With the recent introduction of two 'industry first' product ranges - the air to water heat pump and 3 pipe heat recovery VRF - and a host of other benefits including offering up to a 10 year warranty, there really isn't a better time to become a Mi Pro Partner.

Midea

AN EXCLUSIVE PACKAGE OF BENEFITS FOR ALL MI PRO PARTNERS

Mi Pro PARTNER

Up to a 10 Year Warranty
Next Day Spares
Free Training
Mi Point Business Contributions
Commissioning Support
Refrigerant Contributions*

*Fixed value refrigerant contributions are itemised for each outdoor unit model

To learn more about how Mi Pro can help your business, please see page 108

Midea is the world's No.1 manufacturer of HVAC products

"We have witnessed some fantastic success stories helping Midea become the fastest growing manufacturer of air conditioning products supplied into the UK.

The Mi Pro strategy we introduced in 2017 is unique, and constantly evolving in line with the market feedback we have received from our partners and this is helping us find new ways of developing our brand. The core purpose of our strategy will not change and that is to ensure the Mi Pro incentive for our partners and the end user delivers the best possible long-term care of our products. This simple after care partnership ensures our equipment provides the lowest possible energy use for the longest period of time and this significantly lowers the risk of equipment failure – this is a win-win for Midea, the professional installer, and the end user.

A true business partnership that is right for everyone not just the manufacturer."

Steve Robinson, General Manager, Midea UK & Ireland

SPLIT SYSTEMS

A wide range of residential and light commercial split systems which combine innovative technology with elegant design.

SPLIT SYSTEMS

BLANC - WALL MOUNTED

AG - WALL MOUNTED

BREEZELESS - WALL MOUNTED

A6 DUCT

COMPACT ROUND FLOW CASSETTE

SUPER SLIM ROUND FLOW CASSETTE

CEILING AND FLOOR

CONSOLE

Voice Control

Midea Air App

Midea Air App is available on all split systems
please see page 48-49 for features.

ANDROID APP ON Google play

Download on the App Store

BLANC - WALL MOUNTED

Indoor unit

Outdoor unit

IR Remote control

Optional Wired Controller

Voice Control

Midea Air App

'Follow Me' active

'Follow Me' inactive

'FOLLOW ME' SENSITIVE COOLING

Keep the remote close to you and it will measure the temperature around you and adjust comfort levels accordingly.

ONE TOUCH 'SUPER COOL' FUNCTION

This quick one-touch function flash cools the room for instant comfort - cold air within 60 seconds.

SWEET DREAMS

'Sweet Dreams' guarantees a good night's sleep by adjusting the air conditioner according to your body temperature. 'Do not Disturb' mode will switch off the LED display and provide a quiet breeze whilst you sleep.

APP REMOTE & VOICE CONTROL

Control the air conditioner and set timers easily through the App on your smartphone. Voice Control available by Alexa & Google Assistant.

DUAL AIR PURIFICATION SYSTEM

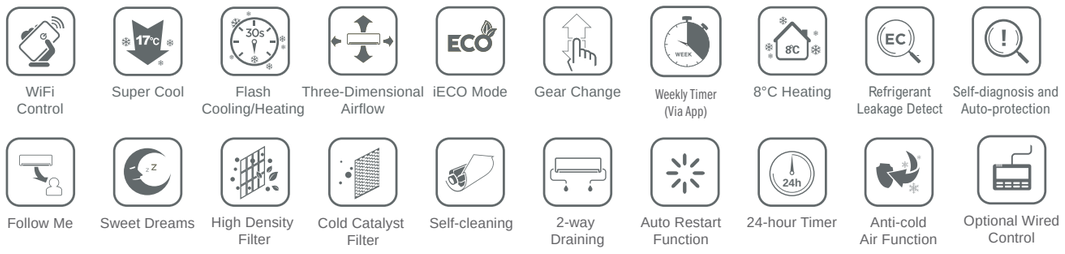
Dual filters remove impurities from the air and detect and neutralise dust, pollen and odours, giving you cleaner, fresher air.

AUTOMATIC SELF CLEANING

When you turn off the air conditioner, the fan continues to operate for another ten minutes, ventilating and drying out the heat exchanger. This keeps it functioning at its best and prolongs the life of the unit.

SELF-CLEANING OUTDOOR UNIT

At the end of each operation the outdoor unit fan will run in reverse, removing dust to improve efficiency and reduce wear and tear.



INDOOR			MA-09NXD0-XI	MA-12NXD0-XI	MA-18NXD0-I	MA-24NXD0-I
OUTDOOR			MA-09N8D0-XO	MA-12N8D0-XO	MA-18N8D0-O	MA-24N8D0-O
Nominal Cooling Capacity (min-max)		kW	2.6 (1.02 - 3.22)	3.5 (1.08 - 4.10)	5.3 (1.91 - 6.14)	7.0 (2.65 – 8.25)
Nominal Heating Capacity (min-max)		kW	3.0 (0.82 - 3.37)	4.0 (1.08 - 4.22)	5.7 (1.4 - 6.91)	7.6 (2.91 - 8.53)
UK Total Cooling Capacity		kW	3.06	3.94	5.91	7.4
Power supply (indoor power via outdoor)		V-Hz-Ph	220-240V- 50Hz, 1Ph	220-240V- 50Hz, 1Ph	220-240V- 50Hz, 1Ph	220-240V- 50Hz, 1Ph
Cooling Current (min-max)		A	3.3 (0.4-5.4)	5.1 (0.5-6.9)	7.1(0.8-10.3)	10.6(4.3-15.4)
Heating Current (min-max)		A	3.4(0.4-5.2)	4.8(0.5-6.9)	6.7(0.9-10.5)	10.5(4.57-13.5)
Max. Current		A	10	10	13.5	17.5
Outdoor Recommended Fuse Size		A	16	16	16	20
Interconnecting/Indoor Power Wiring		No.	5 Core 1.5mm*	5 Core 1.5mm*	5 Core 1.5mm*	5 Core 2.5mm*
Seasonal Efficiency SEER/Class		W/W	6.2/A++	6.1/A++	6.6/A++	6.1/A++
Seasonal Efficiency SCOP/Class		W/W	4.9/A++	4.6/A++	4.9/A++	4.8/A++
Indoor air flow (High- Low)		m3/h	520/460/340	600/500/360	860/690/560	1050/860/700
Indoor Sound Pressure Level (High-Low)		dB(A)	36/30/26/21	38/34/28/22	43/36/30/22	47/40/33/22
Indoor unit	Dimensions (W*D*H)	mm	805x205x285	805x205x285	958x223x302	1038x235x325
	Packing (W*D*H)	mm	870x285x360	870x285x360	1035x305x380	1120x405x330
	Net/Gross weight	Kg	7.9/10.3	7.9/10.3	10.3/13.3	12.8/16.2
Outdoor air flow		m3/h	1700	1700	2000	3000
Outdoor sound pressure level		dB(A)	50	50	51	54
Outdoor unit	Dimensions (W*D*H)	mm	700x270x550	70x270 x550	800x333 x554	845x 363x702
	Packing (W*D*H)	mm	815x325x615	815x325x615	920x390x615	965x395x765
	Net/Gross Weight	Kg	22.7/25.2	22.7/25.2	34/36.7	51.5/54.5
Refrigerant	Type		R32	R32	R32	R32
	GWP		675	675	675	675
	Charged quantity	Kg	0.5	0.5	1	1.6
	Additional charge	g/m	12	12	12	24
Refrigerant piping	Liquid side/ Gas side	mm (inch)	Φ6.35/9.52(1/4"/3/8")	Φ6.35/9.52(1/4"/3/8")	Φ6.35/12.7(1/4"/1/2")	Φ9.52/15.9(3/8"/5/8")
	Max. Refrigerant pipe	m	25	25	30	50
	Max. height difference	m	10	10	20	25
Thermostat type			Remote Control	Remote Control	Remote Control	Remote Control
Operation temperature	Indoor (cooling/ heating)	°C	16-32/0-30	16-32/0-30	16-32/0-30	16-32/0-30
	Outdoor (cooling/heating)	°C	-15-50/-25-30	-15-50/-25-30	-15-50/-25-30	-15-50/-25-30
PRICE			556	640	946	1378
Mi Points			9	12	18	24

Nominal Conditions: Cooling; indoor 27°C DB, 19°C WB, outdoor 35°C DB, 24°C WB.
Nominal Conditions: Heating; indoor 20°C DB, outdoor 7°C DB, 6°C WB.

UK Conditions: Summer: indoor 21°C DB, 15°C WB, outdoor 27°C DB.
Sound Pressure is measured 1.0m below the air-outlet at Nominal Conditions.
*4 Core option is available

Larger wall mounted units available, please see page 57

SEE QUICK REFERENCE GUIDE FOR REFRIGERANT CONTRIBUTIONS

www.mideauk.co.uk

AG - WALL MOUNTED

Indoor unit | Outdoor unit | IR Remote control | Optional Wired Controller

Voice Control | Midea Air App

'Follow Me' active

'Follow Me' inactive

App remote and voice control

SLEEK AND ELEGANT DESIGN

A semi-curved and streamlined exterior that will fit into any interior. Display set temperature or room temperature on indoor unit at the touch of a button

'FOLLOW ME' SENSITIVE COOLING

Keep the remote close to you and it will measure the temperature around you and adjust comfort levels accordingly.

'DO NOT DISTURB MODE'

'Do not disturb' mode will switch off the LED display and provide a quiet gentle breeze whilst you sleep.

ENERGY SAVING TECHNOLOGY

A highly efficient inverter system and iECO energy saving technology make this air conditioner very economical to run.

DUAL AIR PURIFICATION SYSTEM

Dual filters remove impurities from the air and detect and neutralise dust, pollen and odours, giving you cleaner, fresher air.

OPTIONAL MULTI FUNCTION CONTROL BOARD

Offers remote signal for on/off and fault indication (add on to a central controller with the option to add a hardwired controller)

APP REMOTE & VOICE CONTROL

Control the air conditioner and set timers easily through the App on your smartphone.

Voice Control available by Alexa & Google Assistant.

SELF-CLEANING OUTDOOR UNIT

At the end of each operation the outdoor unit fan will run in reverse, removing dust to improve efficiency and reduce wear and tear.

High Density Filter | Cold Catalyst Filter | Follow Me | Smart Diagnosis | "Diamond-Edged" Casing | Weekly Timer (Via App) | Smart Reminder | Smart Sleep Curve | iECO Mode | Gear Change | WiFi Control | Flash Cooling/Heating | Self-cleaning | 8°C Heating | Quiet Mode

INDOOR			AG-09NXD0-I	AG-12NXD0-I	AG-18NXD0-I	AG-24NXD0-I
OUTDOOR			X1-09N8D0-O	X1-12N8D0-O	X3-18N8D0-O	X4-24N8D0-O
Nominal Cooling Capacity (min-max)		kW	2.64 (1.02 - 3.22)	3.51 (1.377 - 4.30)	5.27 (3.39 - 5.89)	7.03 (2.11 – 8.20)
Nominal Heating Capacity (min-max)		kW	2.93 (1.02 - 3.37)	3.80 (1.06 - 4.38)	5.56 (3.1 - 6.1)	7.32 (1.55 - 8.21)
UK Total Cooling Capacity		kW	3.15	4.26	5.82	7.67
Power supply (indoor power via outdoor)		V-Hz-Ph	220-240V- 50Hz, 1Ph	220-240V- 50Hz, 1Ph	220-240V- 50Hz, 1Ph	220-240V- 50Hz, 1Ph
Cooling Current (min-max)		A	3.18(0.35-4.78)	4.76(0.5-7.2)	6.7(2.4-9)	10.5(1.8-13.9)
Heating Current (min-max)		A	3.35(0.32-4.32)	4.46(0.5-6.4)	7.1(3.4-8.7)	9.3(1.3-13.5)
Max. current		A	10	10	13	19
Outdoor Recommended Fuse Size		A	16	16	16	20
Interconnecting/Indoor Power Wiring		No.	5 Core 1.5mm*	5 Core 1.5mm*	5 Core 1.5mm*	5 Core 2.5mm*
Seasonal Efficiency SEER/Class		W/W	7.4/A++	7.0/A++	7.0/A++	6.4/A++
Seasonal Efficiency SCOP/Class		W/W	4.1/A+	4.2/A+	4.0/A+	4.0/A+
Indoor air flow (Hi/Mi/Lo)		m3/h	460/330/260	530/400/350	800/600/500	1090/770/610
Indoor sound pressure level (Hi/Mi/Lo/Si)		dB(A)	37/32/22	37/32/22	41/37/31	46/37/34.5
Indoor unit	Dimensions (W*D*H)	mm	726x210x291	835x208x295	969x241x320	1083x244x336
	Packing (W*D*H)	mm	790x270x375	905x355x290	1045x315x405	1155x415x315
	Net/Gross weight	Kg	8.0/10.5	8.7/11.5	11.2/14.6	13.6/17.3
Outdoor air flow		m3/h	1850	1850	2100	3500
Outdoor sound pressure level		dB(A)	52	52	54	57
Outdoor unit	Dimensions (W*D*H)	mm	720x270x495	720x270x495	805x330x554	890x342x673
	Packing (W*D*H)	mm	835x300x540	835x300x540	915x370x615	995x398x740
	Net/Gross weight	Kg	23.5/25.4	23.5/25.4	33.5/36.1	43.9/46.9
Refrigerant	Type		R32	R32	R32	R32
	GWP		675	675	675	675
	Charged quantity	Kg	0.6	0.65	1.1	1.45
	Additional Charge	g/m	12	12	12	24
Refrigerant piping	Liquid side/ Gas side	mm(inch)	Φ6.35/Đ9.52(1/4"/3/8")	Φ6.35/Đ9.52(1/4"/3/8")	Φ6.35/Đ12.7(1/4"/1/2")	Φ9.52/Đ15.9(3/8"/5/8")
	Max. refrigerant pipe	m	25	25	30	50
	Max. height difference	m	10	10	20	20
Thermostat type			Remote Control	Remote Control	Remote Control	Remote Control
Operation temperature	Indoor (cooling/ heating)	°C	16-32/0-30	16-32/0-30	16-32/0-30	16-32/0-30
	Outdoor (cooling/heating)	°C	-15-50/-25-30	-15-50/-25-30	-15-50/-25-30	-15-50/-25-30
PRICE			**660**	**786**	**1052**	**1504**
MI POINTS			**9**	**12**	**18**	**24**

Nominal Conditions: Cooling; indoor 27°C DB, 19°C WB, outdoor 35°C DB, 24°C WB.
Nominal Conditions: Heating; indoor 20°C DB, outdoor 7°C DB, 6°C WB.

UK Conditions: Summer: indoor 21°C DB, 15°C WB, outdoor 27°C DB.
Sound Pressure is measured 1.0m below the air-outlet at Nominal Conditions.
*4 Core option is available

SEE QUICK REFERENCE GUIDE FOR REFRIGERANT CONTRIBUTIONS

www.mideauk.co.uk

BREEZELESS - WALL MOUNTED

Indoor unit

Outdoor unit

IR Remote control

Optional Wired Controller

Voice Control

Midea Air App

Elegant S-curved design

BREEZELESS EFFECT

Breezeless is equipped with TwinFlap™. The two opposite flaps, with 7,928 micro-holes are designed to turn the airflow into thousands of tiny particles of cool air, softening the airflow to eliminate the feeling of cold air blasts.

SIDE OUTLET

Breezeless is the first and only split air conditioner with “side outlet”. The S-Wing design allows for outlets on two sides of the unit to work along with the front outlet to disperse cool air. This helps the Breezeless unit to cool down the room more evenly and effectively than conventional air conditioners.

SELF-CLEANING OUTDOOR UNIT

At the end of each operation the outdoor unit fan will run in reverse, removing dust to improve efficiency and reduce wear and tear.

RAPID COOLING

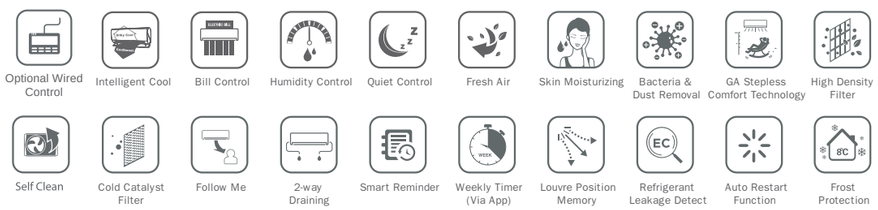
With ultra-high inverter compressor operation speed (65Hz within 6s), ultra-fast fan, and ultra-wide air outlet (70mm), Breezeless can rapidly decrease the room temperature within 60 seconds.

ECONOMIC MODE

This function allows you to enjoy comfortable conditions with significant energy savings in economic mode vs. Automatic mode.

FILTERS AND SELF-CLEANING

The filters eliminate bacteria, viruses, allergens, dust and bad odours. The self-cleaning function eliminates condensation water and expels bacteria.



INDOOR		MSFAAU-09HRFN8	MSFAAU-12HRFN8
OUTDOOR		MOB01-09HFN8	MOB01-12HFN8
Nominal Cooling Capacity (min-max)	kW	2.64 (0.85 - 3.28)	3.52(1.31- 4.37)
Nominal Heating Capacity (min-max)	kW	2.93 (0.79 - 3.37)	3.81 (0.88 - 4.54)
UK Total Cooling Capacity	kW	3.17	4.15
Power Supply (indoor power via outdoor)	V-Hz-Ph	220-240, 50Hz/1Ph	220-240, 50Hz/1Ph
Cooling Current (min-max)	A	2.8(0.4-5.0)	3.72(0.6-7.4)
Heating Current (min-max)	A	2.76(0.32-4.32)	4.2(0.5-6.7)
Max. current	A	10.5	10.5
Outdoor Recommended Fuse Size	A	16	16
Interconnecting/Indoor Power Wiring	No.	5 Core 1.5mm*	5 Core 1.5mm*
Seasonal Efficiency SEER/Class	W/W	8.5/A+++	8.5/A+++
Seasonal Efficiency SCOP/Class	W/W	4.6/A++	4.6/A++
Indoor Air Flow (High to Low)	m3/h	610/500/380	640/520/400
Indoor Sound Pressure Level (High to Low)	dB(A)	38/35/21/19	39/36/21/20
Indoor unit	Dimensions (W*D*H)	940x193x325	940x193x325
	Packing (W*D*H)	1055x385x290	1055x385x290
	Net/Gross Weight	10.7/13.8	10.7/13.8
Outdoor air flow		2000	2000
Outdoor Sound Pressure Level		53	53
Outdoor unit	Dimensions (W*D*H)	800x333x554	800x333x554
	Packing (W*D*H)	920x390x615	920x390x615
	Net/Gross Weight	29.3/32.1	29.3/32.1
Refrigerant	Type	R32	R32
	GWP	675	675
	Charged quantity	0.69	0.69
	Additional Charge	12	12
Refrigerant piping	Liquid side/Gas side	mm(inch)	Φ6.35/Φ9.52(1/4”/3/8”)	Φ6.35/Φ9.52(1/4”/3/8”)
	Max. refrigerant pipe	m	25	25
	Max. height difference	m	10	10
Thermostat type			Remote Control	Remote Control
Operation temperature	Indoor (cooling/ heating)	°C	17-32/0-30	17-32/0-30
	Outdoor (cooling/heating)	°C	-15-50/-25-30	-15-50/-25-30
PRICE			848	998
MI POINTS			9	12

Nominal Conditions: Cooling; indoor 27°C DB, 19°C WB, outdoor 35°C DB, 24°C WB.
Nominal Conditions: Heating; indoor 20°C DB, outdoor 7°C DB, 6°C WB.

UK Conditions: Summer: indoor 21°C DB, 15°C WB, outdoor 27°C DB.
Sound Pressure is measured 1.0m below the air-outlet at Nominal Conditions.
*4 Core option is available

SEE QUICK REFERENCE GUIDE FOR REFRIGERANT CONTRIBUTIONS

A6 DUCT

Indoor unit

Outdoor unit

Optional IR Remote Control

Remote Control

Voice Control

Midea Air App

FLEXIBLE AIR INTAKE POSITION

Air inlet direction is from rear as standard or can be changed to bottom.

BUILT-IN DRAIN PUMP

The built-in drain pump can lift the condensate water up to 750mm.

MULTI CHANNEL AIR FLOW DISTRIBUTION

The units are suitable for different room types, its multi channel air distribution gives you comfort in every corner.

VERTICAL MOUNTING

Option for vertical mounting of units is available upon request.

LED CHASSIS MOUNTED DISPLAY

Built-in display for easy trouble shooting and system information.

FRESH AIR INLET

Built-in fresh air inlet to create a more comfortable environment.

FLEXIBLE CONTROL AND EASY MAINTENANCE

The electrical control box can be removed away from the unit for easy maintenance access. Standard functional ports are included such as remote On/Off, dry contact switch and alarm signal output.

TWIN COMBINATIONS

Outdoor unit sizes 36,42,48 & 55 can be installed with two indoor units for increased flexibility.

REMOTE SIGNAL

Built-in ports for on/off control and fault indication.

A6 DUCT

INDOOR			MTIU-12FNXD0	MTIU-18FNXD0	MTI-24FNXD0	MTI-36FNXD0
OUTDOOR			MOU-12FN8-QD6	MOUU-18FN8-QD0	MOU-24FN8-QD0	MOU-36FN8-QD0
Nominal Cooling Capacity (min-max)		kW	3.51(1.49-4.75)	5.28(2.55-6.15)	7.03(3.28-8.16)	10.55(4.04-12.02)
Nominal Heating Capacity (min-max)		kW	4.10(0.97-5.63)	5.57(2.20-7.03)	7.62(2.72-8.72)	11.14(2.81-13.19)
UK Total Cooling Capacity		kW	4.17	5.77	7.78	11.38
Seasonal Efficiency SEER / Class		W/W	6.5/A++	6.1/A++	6.1/A++	6.1/A++
Seasonal Efficiency SCOP / Class		W/W	4/A+	4/A+	4/A+	4/A+
Power Supply (Indoor)		V- Ph-Hz	Power from Outdoor	Power from Outdoor	220-240-1-50	220-240-1-50
Power Supply (Outdoor)		V- Ph-Hz	220-240-1-50	220-240-1-50	220-240-1-50	220-240-1-50
Cooling Current (min-max)		A	4.22(1.7-7.2)	7.2(3.2-8.3)	9.5(2.1-12.4)	17.5(4.2-19.6)
Heating Current (min-max)		A	5.0(1.7-9.0)	7(3.3-7.7)	8.9(2.2-12.5)	12.9(3.6-18.4)
Max. input current		A	10	13.5	13.5	21.5
Recommended Fuse Size (Indoor)		A	Power from outdoor	Power from outdoor	5* (or via outdoor)	5* (or via outdoor)
Recommended Fuse Size (Outdoor)		A	16	16	20	32
Interconnecting Wiring		No.	4 Core 1mm²	4 Core 1mm²	2 Core 1mm² Screened	2 Core 1mm² Screened
Indoor Air Flow (High to Low)		m3/h	600/480/300	880/650/350	1248/1054/839	1400/1150/750
Indoor Sound Pressure Level (High to Low)		dB(A)	35/31/26	40/36/33	41/38/34	43/40/36
Indoor unit	Dimensions (WxDxH)	mm	700x450x200	880x674x210	1100x774x249	1360x774x249
	Packing (WxDxH)	mm	860x540x285	1070x725x280	1305x805x305	1570x805x305
	Net/Gross Weight	Kg	18/22	24.3/29.6	31.5/38.9	40.5/48.5
Drainage water pipe diameter		mm	ODΦ25	ODΦ25	ODΦ25	ODΦ25
Outdoor air flow		m3/h	2000	2000	2700	4000
Outdoor Sound Pressure Level		dB(A)	51	51	55	56
Outdoor unit	Dimensions (WxDxH)	mm	800x333x554	800x333x554	845x363x702	946x410x810
	Packing (WxDxH)	mm	920x390x625	920x390x625	965x395x775	1090x500x885
	Net/Gross Weight	Kg	34.7/37.5	33.7/36.6	49.4/52.8	66.8/73.4
Refrigerant	Type		R32	R32	R32	R32
	GWP		675	675	675	675
	Charged quantity	Kg	0.87	1.15	1.5	2.4
	Additional Charge	g/m	12	12	24	24
Refrigerant piping	Liquid side/ Gas side	mm(inch)	Φ6.35/Φ9.52(1/4"/3/8")	Φ6.35/Φ12.7(1/4"/1/2")	Φ9.52/Φ15.9(3/8"/5/8")	Φ9.52/Φ15.9(3/8"/5/8")
	Max. pipe length	m	25	30	50	65
	Max. difference in level	m	10	20	25	30
Operating temperature	Indoor (Cooling/Heating)	°C	17-32/0-30	17-32/0-31	17-32/0-32	17-32/0-33
	Outdoor (Cooling/Heating)	°C	-15-50/-15-24	-15-50/-15-25	-15-50/-15-26	-15-50/-15-27
PRICE			1254	1600	1976	2794
MI POINTS			12	18	24	36

A6 DUCT

INDOOR			MTI-42FNXD0	MTI-36FNXD0	MTI-48FNXD0	MTI-55FNXD0
OUTDOOR			MOU-42FN8-QD0	MOU-36FN8-RD0	MOU-48FN8-RD0	MOU-55FN8-RD0
Nominal Cooling Capacity (min-max)		kW	12.31(2.58-13.7)	10.55(4.04-12.02)	14.07 (4.26-16.41)	15.24 (5.86-18.11)
Nominal Heating Capacity (min-max)		kW	13.48Ð2.05-14.27)	11.14(2.81-13.19)	16.12(3.7-18.02)	18.17(4.69-20.52)
UK Total Cooling Capacity		kW	12.13	11.38	15.54	16.89
Seasonal Efficiency SEER / Class		W/W	6.1/A++	6.1/A++	6.1/A++	6.1/A++
Seasonal Efficiency SCOP / Class		W/W	4/A+	4/A+	4/A+	4/A+
Power supply (Indoor)		V- Ph-Hz	220-240-1-50	220-240-1-50	220-240-1-50	220-240-1-50
Power supply (Outdoor)		V- Ph-Hz	220-240-1-50	380-415-3-50	380-415-3-50	380-415-3-50
Cooling Current (min-max)		A	16(1.47-19.1)	6.5(1.4-8.2)	8.3(1.8-9.4)	8.93(2.0-11.6)
Heating Current (min-max)		A	16.2(1.88-18.8)	4.7(1.3-7.4)	6.8(1.5-9.2)	8.8(1.6-10.5)
Max. input current		A	23	10.4	14	15.4
Recommended Fuse Size (Indoor)		A	5* (or via outdoor)	5* (or via outdoor)	5* (or via outdoor)	5* (or via outdoor)
Recommended Fuse Size (Outdoor)		A	32	16	16	16
Interconnecting Wiring		No.	2 Core 1mm² Screened	2 Core 1mm² Screened	2 Core 1mm² Screened	2 Core 1mm² Screened
Indoor Air Flow (High to Low)		m3/h	1871/1574/1047	1400/1150/750	2400/2040/1680	2600/2210/1820
Indoor Sound Pressure Level (High to Low)		dB(A)	45/42/40	43/40/36	45/42/40	45/42/40
Indoor unit	Dimensions (WxDxH)	mm	1200x874x300	1360x774x249	1200x874x300	1200x874x300
	Packing (WxDxH)	mm	1405x915x355	1570x805x305	1405x915x355	1405x915x355
	Net/Gross Weight	Kg	47.6/55.8	40.5/48.5	47.6/55.8	47.6/55.8
Drainage water pipe diameter		mm	ODΦ25	ODΦ25	ODΦ25	ODΦ25
Outdoor air flow		m3/h	3800	4000	7500	7500
Outdoor Sound Pressure Level		dB(A)	57	56	59	59
Outdoor unit	Dimensions (WxDxH)	mm	946x410x810	946x410x810	952x415x1333	952x415x1333
	Packing (WxDxH)	mm	1090x500x885	1090x500x885	1095x495x1480	1095x495x1480
	Net/Gross Weight	Kg	73.9/78.9	81.5/87.0	106.7/119.9	111.3/124.3
Refrigerant	Type		R32	R32	R32	R32
	GWP		675	675	675	675
	Charged quantity	Kg	2.4	2.4	2.8	2.95
	Additional Charge	g/m	24	24	24	24
Refrigerant piping	Liquid side/ Gas side	mm(inch)	Φ9.52/Φ15.9(3/8"/5/8")	Φ9.52/Φ15.9(3/8"/5/8")	Φ9.52/Φ15.9(3/8"/5/8")	Φ9.52/Φ15.9(3/8"/5/8")
	Max. pipe length	m	65	65	65	65
	Max. difference in level	m	30	30	30	30
Operating temperature	Indoor (Cooling/Heating)	°C	17-32/0-34	17-32/0-33	17-32/0-34	17-32/0-35
	Outdoor (Cooling/Heating)	°C	-15-50/-15-28	-15-50/-15-27	-15-50/-15-28	-15-50/-15-29
PRICE			2940	2794	3460	3562
MI POINTS			42	36	48	55

Nominal Conditions: Cooling; indoor 27°C DB, 19°C WB, outdoor 35°C DB, 24°C WB.
Nominal Conditions: Heating; indoor 20°C DB, outdoor 7°C DB, 6°C WB.

SEE QUICK REFERENCE GUIDE FOR REFRIGERANT CONTRIBUTIONS

*Option for power via Outdoor also available.
UK Conditions: Summer: indoor 21°C DB, 15°C WB, outdoor 27°C DB. Sound Pressure is measured 1.5m below the air-outlet at Nominal Conditions.

Indoor unit

Outdoor unit

IR Remote control

Remote control

Voice Control

Midea Air App

COMPACT ROUND FLOW CASSETTE

360° Airflow outlet

360° AIRFLOW OUTLET

360° air outlet provides even airflow circulation to cool or heat every corner of a room and keep a constant temperature.

FRESH AIR INLET

Built-in fresh air inlet to create a more comfortable environment. Optional motor available to increase the “fresh air” effect.

BUILT-IN DRAIN PUMP

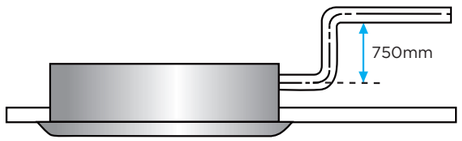
The built-in drain pump can lift the condensate water up to 750mm.

LED FASCIA DISPLAY

Built-in display for easy trouble shooting and system information.

REMOTE SIGNAL

Built-in ports for on/off control and fault indication.



Built in drain pump

Optional WiFi Control | 360° Air Flow Panel | Remote Enable Port | Error Alarm Port | Refrigerant Leakage Detect | Louvre Position Memory | Fresh Air Inlet | Temperature Compensation | Anti-cold Air Function | Low Ambient Cooling | Emergency Use Function | Built-in Drain Pump | Wired Control | Central Control Management

INDOOR			MCA3U-12FNXD0	MCA3U-18FNXD0
OUTDOOR			MOU-12FN8-QD6	MOUU-18FN8-QD0
Nominal Cooling Capacity (min-max)		kW	3.52(1.52-5.28)	5.28 (5.74-6.15)
Nominal Heating Capacity (min-max)		kW	4.4 (1.03-5.57)	5.42 (2.37-7.03)
UK Total Cooling Capacity		kW	4.17	5.77
Seasonal Efficiency SEER/Class		W/W	7.8/A++	6.1/A++
Seasonal Efficiency SCOP/Class		W/W	4.4/A++	4/A+
Power Supply (Indoor)		V- Ph-Hz	Power from outdoor	Power from outdoor
Power Supply (Outdoor)		V- Ph-Hz	220-240-1-50	220-240-1-50
Cooling Current (min-max)		A	3.8(1.6-7.1)	7.2(3.2-8.2)
Heating Current (min-max)		A	5(1.4-7.9)	6.4(3.1-8.5)
Max. Current		A	10	13.5
Recommended Fuse Size (Indoor)		A	Power from outdoor	Power from outdoor
Recommended Fuse Size (Outdoor)		A	16	20
Interconnecting Wiring		No.	4 Core 1mm²	4 Core 1mm²
Indoor Air Flow (High to Low)		m3/h	617/504/416	720/625/540
Indoor Sound Pressure Level (High to Low)		dB(A)	38/34/31	41/38/34
Indoor unit	Dimensions (WxDxH) (body)	mm	570x570x260	570x570x260
	Packing (WxDxH)(body)	mm	662x662x317	662x662x317
	Dimensions (WxDxH) (panel)	mm	647x647x50	647x647x50
	Packing (WxDxH)(panel)	mm	715x715x123	715x715x123
	Net/Gross Weight (body)	Kg	16.2/21.4	16.2/21.4
	Net/Gross Weight (panel)	Kg	2.5/4.5	2.5/4.5
Drainage water pipe dia.		mm	ODΦ25	ODΦ25
Outdoor air flow		m3/h	2000	2000
Outdoor sound pressure level		dB(A)	51	51
Outdoor unit	Dimensions (WxDxH)	mm	800x333x554	800x333x554
	Packing (WxDxH)	mm	920x390x625	920x390x625
	Net/Gross Weight	Kg	34.7/37.5	33.7/36.6
Refrigerant	Type		R32	R32
	GWP		675	675
	Charged quantity	Kg	0.87	1.15
	Additional Charge	g/m	12	12
Refrigerant piping	Liquid side/ Gas side	mm(inch)	Φ6.35/Φ9.52(1/4"/3/8")	Φ6.35/Φ12.7(1/4"/1/2")
	Max. pipe length	m	25	30
	Max. height difference	m	10	20
Operating temperature	Indoor (Cooling/Heating)	°C	17-32/0-30	17-32/0-31
	Outdoor (Cooling/Heating)	°C	-15-50/-15-24	-15-50/-15-25
PRICE			1236	1638
MI POINTS			12	18

Nominal Conditions: Cooling; indoor 27°C DB, 19°C WB, outdoor 35°C DB, 24°C WB.
Nominal Conditions: Heating; indoor 20°C DB, outdoor 7°C DB, 6°C WB.

UK Conditions: Summer: indoor 21°C DB, 15°C WB, outdoor 27°C DB.
Sound Pressure is measured 1.0m below the air-outlet at Nominal Conditions.
*Option for power via outdoor also available

SEE QUICK REFERENCE GUIDE FOR REFRIGERANT CONTRIBUTIONS

SUPER SLIM
ROUND FLOW CASSETTE

Indoor unit

Outdoor unit

IR Remote control

Remote control

Voice Control

Midea Air App

360° AIRFLOW OUTLET

360° air outlet provides even airflow circulation to cool or heat every corner of a room and keep a constant temperature.

FRESH AIR INLET & DRAIN PUMP

Built-in fresh air inlet creates a more comfortable environment. Optional motor available to increase the “fresh air effect”. The built-in drain pump has an access panel for easy removal /maintenance.

LED FASCIA DISPLAY

Built-in display for easy trouble shooting and system information.

INDEPENDENT VANE CONTROL

The direction of each vane can be set independently via the wired controller.

SUPER SLIM DESIGN

The height of the units starts from just 245mm.

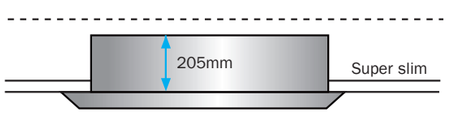
TWIN COMBINATIONS

Outdoor unit sizes 36,42,48 & 55 can be installed with two indoor units for increased flexibility.

REMOTE SIGNAL

Built-in ports for on/off control and fault indication.

360° Airflow outlet



Super slim design

SUPER SLIM ROUND FLOW CASSETTE

INDOOR			MCD-24FNXD0	MCD-36FNXD0	MCD-48FNXD0
OUTDOOR			MOU-24FN8-QD0	MOU-36FN8-QD0	MOU-42FN8-QD0
Nominal Cooling Capacity (min-max)		kW	7.03(3.22-8.21)	10.55(4.04-12.02)	12.31(2.58-13.7)
Nominal Heating Capacity (min-max)		kW	7.62(2.43-8.65)	11.14(2.94-13.48)	13.48Ð2.05-14.27)
UK Total Cooling Capacity		kW	7.78	11.39	12.13
Seasonal Efficiency SEER/Class		W/W	6.1/A++	6.1/A++	6.1/A++
Seasonal Efficiency SCOP/Class		W/W	4/A+	4/A+	4/A+
Power Supply (Indoor)		V- Ph-Hz	220-240-1-50	220-240-1-50	220-240-1-50
Power Supply (Outdoor)		V- Ph-Hz	220-240-1-50	220-240-1-50	220-240-1-50
Cooling Current (min-max)		A	5(2.1-12.4)	16.3(3.9-19.6)	16(1.47-19.1)
Heating Current (min-max)		A	8.9(2.2-12.5)	13.0(3.2-19.4)	16.2(1.88-18.8)
Max.Current		A	13.5	21.5	23
Recommended Fuse Size (Indoor)		A	5* (or via outdoor)	5* (or via outdoor)	5* (or via outdoor)
Recommended Fuse Size (Outdoor)		A	20	32	32
Interconnecting Wiring		No.	2 Core 1mm² Screened	2 Core 1mm² Screened	2 Core 1mm² Screened
Indoor Air Flow (High to Low)		m3/h	1378/1200/1032	1775/1620/1438	1715/1568/1381
Indoor Sound Pressure Level (High to Low)		dB(A)	41/38/35	47/45/42	49/46/43
Indoor unit	Dimensions (WxDxH) (body)	mm	840x840x245	840x840x245	840x840x287
	Packing (WxDxH) (body)	mm	900x900x265	900x900x265	900x900x292
	Dimensions (WxDxH) (panel)	mm	950x950x55	950x950x55	950x950x55
	Packing (WxDxH) (panel)	mm	1035x1035x90	1035x1035x90	1035x1035x90
	Net/Gross Weight (body)	Kg	23/27	27.5/31	29/32.7
	Net/Gross Weight (panel)	Kg	5/8	5/8	5/8
Drainage water pipe dia.		mm	ODΦ32	ODΦ32	ODΦ32
Outdoor air flow		m3/h	2700	4000	3800
Outdoor Sound Pressure Level		dB(A)	55	56	57
Outdoor unit	Dimensions (WxDxH)	mm	845x363x702	946x410x810	946x410x810
	Packing (WxDxH)	mm	965x395x775	1090x500x875	1090x500x885
	Net/Gross Weight	Kg	49.4/52.8	66.8/73.4 | 81.5/87.0	73.9/78.9
Refrigerant	Type		R32	R32	R32
	GWP		675	675	675
	Charged quantity	Kg	1.5	2.4	2.4
	Additional Charge	g/m	24	24	24
Refrigerant piping	Liquid side/ Gas side	mm(inch)	Φ9.52/Φ15.9(3/8"/5/8")	Φ9.52Φ15.9(3/8"/5/8")	Φ9.52/Φ15.9(3/8"/5/8")
	Max. pipe length	m	50	65	65
	Max. height difference	m	25	30	30
Operating temperature	Indoor (Cooling/ Heating)	°C	17-32/0-33	17-32/0-34	17-32/0-34
	Outdoor (Cooling/ Heating)	°C	-15-50/-15-27	-15-50/-15-28	-15-50/-15-28
PRICE			**2086**	**2622**	**3046**
MI POINTS			**24**	**36**	**42**

SUPER SLIM ROUND FLOW CASSETTE

INDOOR			MCD-36FNXD0	MCD-48FNXD0	MCD-55FNXD0
OUTDOOR			MOU-36FN8-RD0	MOU-48FN8-RD0	MOU-55FN8-RD0
Nominal Cooling Capacity (min-max)		kW	10.55(4.04-12.02)	14.07(4.75-16.12)	15.53(5.28-18.46)
Nominal Heating Capacity (min-max)		kW	11.14(2.95-14.14)	16.12(3.93-17.59)	18.17(4.4-19.34)
UK Total Cooling Capacity		kW	11.39	15.28	17.22
Seasonal Efficiency SEER/Class		W/W	6.1/A++	6.1/A++	6.1/A++
Seasonal Efficiency SCOP/Class		W/W	4/A+	4/A+	4/A+
Power Supply (Indoor)		V- Ph-Hz	220-240-1-50	220-240-1-50	220-240-1-50
Power Supply (Outdoor)		V- Ph-Hz	380-415-3-50	380-415-3-50	380-415-3-50
Cooling Current (min-max)		A	6.6(3.9-8.2)	8.3(1.8-9.3)	9.8(1.8-11.6)
Heating Current (min-max)		A	12.9(2.8-19.8)/5.5(1.2-8.3)	8.2(1.56-8.83)	9.9(1.6-10.6)
Max.Current		A	10	11.2	14
Recommended Fuse Size (Indoor)		A	5* (or via outdoor)	5* (or via outdoor)	5* (or via outdoor)
Recommended Fuse Size (Outdoor)		A	16	16	16
Interconnecting Wiring		No.	2 Core 1mm² Screened	2 Core 1mm² Screened	2 Core 1mm² Screened
Indoor Air Flow (High to Low)		m3/h	1775/1620/1438	1715/1568/1381	1970/1737/1537
Indoor Sound Pressure Level (High to Low)		dB(A)	47/45/42	49/46/43	47/44/41
Indoor unit	Dimensions (WxDxH) (body)	mm	840x840x245	840x840x287	840x840x287
	Packing (WxDxH) (body)	mm	900x900x265	900x900x292	900x900x292
	Dimensions (WxDxH) (panel)	mm	950x950x55	950x950x55	950x950x55
	Packing (WxDxH) (panel)	mm	1035x1035x90	1035x1035x90	1035x1035x90
	Net/Gross Weight (body)	Kg	27.5/31	29/32.7	29.7/33.4
	Net/Gross Weight (panel)	Kg	5/8	5/8	5/8
Drainage water pipe dia.		mm	ODΦ32	ODΦ32	ODΦ32
Outdoor air flow		m3/h	4000	7500	7500
Outdoor sound pressure level		dB(A)	56	59	59
Outdoor unit	Dimensions (WxDxH)	mm	946x410x810	952x415x1333	952x415x1333
	Packing (WxDxH)	mm	1090x500x875	1095x495x1480	1095x495x1480
	Net/Gross Weight	Kg	81.5/87.0	106.7/119.9	111.3/124.3
Refrigerant	Type		R32	R32	R32
	GWP		675	675	675
	Charged quantity	Kg	2.4	2.8	2.95
	Additional Charge	g/m	24	24	24
Refrigerant piping	Liquid side/ Gas side	mm(inch)	Φ9.52/Φ15.9(3/8"/5/8")	Φ9.52/Φ15.9(3/8"/5/8")	Φ9.52/Φ15.9(3/8"/5/8")
	Max. pipe length	m	65	65	65
	Max. height difference	m	30	30	30
Operating temperature	Indoor (Cooling/ Heating)	°C	17-32/0-34	17-32/0-35	17-32/0-36
	Outdoor (Cooling/ Heating)	°C	-15-50/-15-28	-15-50/-15-29	-15-50/-15-30
PRICE			**2622**	**3294**	**3634**
MI POINTS			**36**	**48**	**55**

Nominal Conditions: Cooling; indoor 27°C DB, 19°C WB, outdoor 35°C DB, 24°C WB.
Nominal Conditions: Heating; indoor 20°C DB, outdoor 7°C DB, 6°C WB.

*Option for power via Outdoor also available.

SEE QUICK REFERENCE GUIDE FOR REFRIGERANT CONTRIBUTIONS

CEILING AND FLOOR

Indoor unit

Outdoor unit

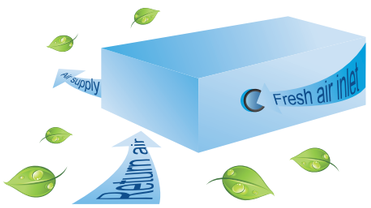
IR Remote control

Remote control

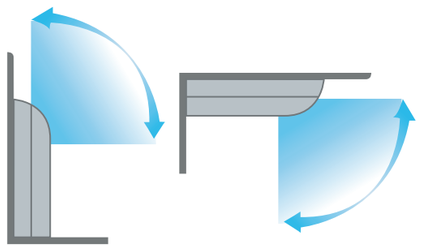
Voice Control

Midea Air App

3D air flow



Fresh air inlet



Vertical or horizontal installation

3D AIR FLOW

The unit has auto horizontal and vertical swing function which supplies an even and comfortable airflow throughout the room.

FRESH AIR INLET

Built-in fresh air inlet creates a more comfortable environment. Optional motor available to increase the “fresh air” effect.

VERTICAL OR HORIZONTAL INSTALLATION

The unit can be installed vertically or horizontally depending on your requirements and can even be installed in the corner of narrow ceilings.

LED DISPLAY

Built-in display for easy trouble shooting and system information.

TWIN COMBINATIONS

Outdoor unit sizes 36,42,48 & 55 can be installed with two indoor units for increased flexibility.

REMOTE SIGNAL

Built-in ports for on/off control and fault indication.

Optional WiFi Control | Remote Enable Port | Error Alarm Port | Twin Combination | Refrigerant Leakage Detect | Louvre Position Memory | Fresh Air Inlet | Temperature Compensation | Anti-cold Air Function | Low Ambient Cooling | Emergency Use Function | Wired Control | Central Control Management

CEILING AND FLOOR

INDOOR			MUEU-18FNXD0	MUE-24FNXD0	MUE-36FNXD0	MUE-48FNXD0
OUTDOOR			MOUU-18FN8-QD0	MOU-24FN8-QD0	MOU-36FN8-QD0	MOU-42FN8-RD0
Nominal Cooling Capacity (min-max)		kW	5.28(2.64-6.15)	7.03(3.22-8.29)	10.55(3.93-12.02)	12.31(2.58-13.7)
Nominal Heating capacity (min-max)		kW	5.57(2.27-7.03)	7.62(2.72-8.65)	11.14(2.81-13.48)	13.48(2.05-14.27)
UK Total Cooling Capacity		kW	5.8	7.77	11.25	12.13
Seasonal Efficiency SEER/Class		W/W	5.8/A+	6.1/A++	6.1/A++	6.1/A++
Seasonal Efficiency SCOP/Class		W/W	4/A+	4/A+	4/A+	4/A+
Power Supply (Indoor)		V-Ph-Hz	Power from outdoor	220-240-1-50	220-240-1-50	220-240-1-50
Power Supply (Outdoor)		V-Ph-Hz	220-240-1-50	220-240-1-50	220-240-1-50	220-240-1-50
Cooling Current (min-max)		A	7.2(3.2-8.2)	10.0(2.1-13.1)	16.7(4.1-19.6)	16(1.47-19.1)
Heating Current (min-max)		A	6.6(2.7-7.3)	9.5(2.2-12.7)	14.0(2.8-19.8)	16.2(1.88-18.8)
Max.Current		A	13.5	13.5	21.5	23
Recommended Fuse Size (Indoor)		A	Power from outdoor	5* (or via outdoor)	5* (or via outdoor)	5* (or via outdoor)
Recommended Fuse Size (Outdoor)		A	16	20	32	32
Interconnecting Wiring		No.	4 Core1mm²	2 Core 1mm² Screened	2 Core 1mm² Screened	2 Core 1mm² Screened
Indoor Air Flow (High to Low)		m3/h	880/760/650	1208/1066/853	2160/1844/1431	2329/1930/1417
Indoor Sound Pressure Level (High to Low)		dB(A)	40/35/31	48/43/38	50/48/45	50/43/47
Indoor unit	Dimensions (WxDxH)	mm	1068x675x235	1068x675x235	1650x675x235	1650x675x235
	Packing (WxDxH)	mm	1145x755x313	1145x755x313	1725x755x313	1725x755x313
	Net/Gross Weight	Kg	28/33.3	26.8/31.9	39/45	41.2/47.6
Drainage water pipe dia.		mm	ODΦ25	ODΦ25	ODΦ25	ODΦ25
Outdoor air flow		m3/h	2100	2700	4000	3800
Outdoor Sound Pressure Level		dB(A)	51	55	56	57
Outdoor unit	Dimensions (WxDxH)	mm	800x333x554	845x363x702	946x410x810	946x410x810
	Packing (WxDxH)	mm	920x390x625	965x395x775	1090x500x885	1090x500x885
	Net/Gross Weight	Kg	33.7/36.6	49.4/52.8	66.8/73.4	73.9/78.9
Refrigerant	Type		R32	R32	R32	R32
	GWP		675	675	675	675
	Charged quantity	Kg	1.15	1.5	2.4	2.4
	Additional Charge	g/m	12	24	24	24
Refrigerant piping	Liquid side/ Gas side	mm(inch)	Φ6.35/Φ12.7(1/4"/1/2")	Φ9.52/Φ15.9(3/8"/5/8")	Φ9.52/Φ15.9(3/8"/5/8")	Φ9.52/Φ15.9(3/8"/5/8")
	Max. pipe length	m	30	50	65	65
	Max. height difference	m	20	25	30	30
Operating temperature	Indoor (Cooling/ Heating)	°C	17-32/0-32	17-32/0-33	17-32/0-34	17-32/0-34
	Outdoor (Cooling/ Heating)	°C	-15-50/-15-26	-15-50/-15-27	-15-50/-15-28	-15-50/-15-28
PRICE			1542	1900	2720	3098
MI POINTS			18	24	36	42

CEILING AND FLOOR

INDOOR			MUE-36FNXD0	MUE-48FNXD0	MUE-55FNXD0
OUTDOOR			MOU-36FN8-RD0	MOU-48FN8-RD0	MOU-55FN8-RD0
Nominal Cooling Capacity (min-max)		kW	10.55(3.93-12.02)	14.07(4.96-16.04)	15.83 (5.28-18.46)
Nominal Heating Capacity (min-max)		kW	11.14(2.81-13.95)	16.12(3.81-18.07)	18.17(4.4-19.64)
UK Total Cooling Capacity		kW	11.25	15.43	17.44
Seasonal Efficiency SEER/Class		W/W	6.1/A++	6.1/A++	6.1/A++
Seasonal Efficiency SCOP/Class		W/W	4/A+	4/A+	4/A+
Power supply (Indoor)		V- Ph-Hz	220-240-1-50	220-240-1-50	220-240-1-50
Power supply (Outdoor)		V- Ph-Hz	380-415-3-50	380-415-3-50	380-415-3-50
Cooling Current (min-max)		A	16.3(2.9-19.6)/ 7.2(1.2-8.2)	9.1(1.77-9.29)	10.5(1.9-10.3)
Heating Current (min-max)		A	12.9(2.8-19.8)/ 5.5(1.2-8.3)	8.14(1.6-10.27)	9.94(1.6-10.8)
Max.Current		A	10	11.2	14
Recommended Fuse Size (Indoor)		A	5* (or via outdoor)	5* (or via outdoor)	5* (or via outdoor)
Recommended Fuse Size (Outdoor)		A	16	16	16
Interconnecting Wiring		No.	2 Core 1mm² Screened	2 Core 1mm² Screened	2 Core 1mm² Screened
Indoor Air Flow (High to Low)		m3/h	2160/1844/1431	2329/1930/1417	2454/1834/1426
Indoor Sound Pressure Level (High to Low)		dB(A)	50/48/45	50/43/47	49/45/41
Indoor unit	Dimensions (WxDxH)	mm	1650x675x235	1650x675x235	1650x675x235
	Packing (WxDxH)	mm	1725x755x313	1725x755x313	1725x755x313
	Net/Gross Weight	Kg	39/45	41.2/47.6	41.4/47.8
Drainage water pipe diameter		mm	ODΦ25	ODΦ25	ODΦ25
Outdoor air flow		m3/h	4000	7500	7500
Outdoor sound pressure level		dB(A)	56	59	59
Outdoor unit	Dimensions (WxDxH)	mm	946x410x810	952x415x1333	952x415x1333
	Packing (WxDxH)	mm	1090x500x885	1095x495x1480	1095x495x1480
	Net/Gross Weight	Kg	81.5/87.0	106.7/119.9	111.3/124.3
Refrigerant	Type		R32	R32	R32
	GWP		675	675	675
	Charged quantity	Kg	2.4	2.8	2.95
	Additional Charge	g/m	24	24	24
Refrigerant piping	Liquid side/ Gas side	mm(inch)	Φ9.52/Φ15.9(3/8"/5/8")	Φ9.52/Φ15.9(3/8"/5/8")	Φ9.52/Φ15.9(3/8"/5/8")
	Max. pipe length	m	65	65	65
	Max. height difference	m	30	30	30
Operating temperature	Indoor (Cooling/ Heating)	°C	17-32/0-34	17-32/0-35	17-32/0-36
	Outdoor (Cooling/ Heating)	°C	-15-50/-15-28	-15-50/-15-29	-15-50/-15-30
PRICE			2720	3290	3434
MI POINTS			36	48	55

Nominal Conditions: Cooling; indoor 27°C DB, 19°C WB, outdoor 35°C DB, 24°C WB.
Nominal Conditions: Heating; indoor 20°C DB, outdoor 7°C DB, 6°C WB.

SEE QUICK REFERENCE GUIDE FOR REFRIGERANT CONTRIBUTIONS

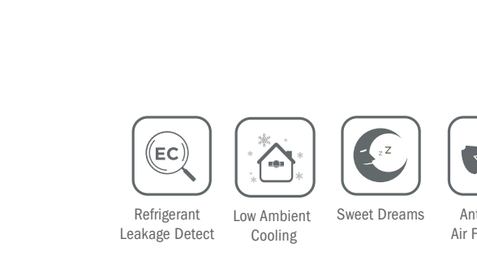
UK Conditions: Summer: indoor 21°C DB, 15°C WB, outdoor 27°C DB.
Sound Pressure is measured 1.5m below the air-outlet at Nominal Conditions
*Option for power via Outdoor also available.

CONSOLE

Indoor unit

Outdoor unit

IR Remote control



Top/bottom and right/left side, for better ventilation

FLEXIBLE INSTALLATION

The unit can be installed on the floor or lower wall depending on your requirements.

TURBO MODE

At the touch of a button, the unit will enter turbo mode with ultra-high speed and reach the set temperature more quickly. After running for 20 minutes in turbo mode, the indoor fan will automatically return to the pre-set speed.

ANTI-COLD AIR FUNCTION

The indoor fan speed is regulated automatically according to the evaporator temperature.

This limits the fan from blowing colder air when in heating mode therefore preventing cold drafts.

LOW AMBIENT COOLING

With built-in low ambient kit or specially designed PCB, outdoor fan speed can be changed automatically according to outdoor unit temperature, even when the temperature is down to -15°C.

AUTO RESTART FUNCTION

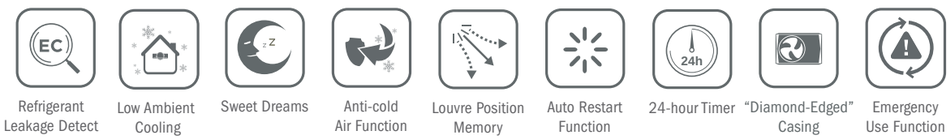
If the air conditioner turns off unexpectedly due to a power cut, it will restart automatically with the previous setting mode when the power resumes.

LOUVRE POSITION MEMORY LOUVRE

The indoor unit will remember the louvre position at the time it was turned off. It will set the louvre to the same position when the unit is started again.

LED DISPLAY

Built-in display for easy troubleshooting and system information.



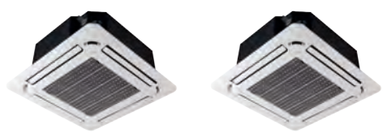
INDOOR			MFAU-12FNXD0	MFAU-16FNXD0
OUTDOOR**			MOU-12FN8-QD6	MOUU-18FN8-QD0
Nominal Cooling Capacity (min-max)		kW	3.5(1.08 - 4.1)	4.83(2.63 - 4.98)
Nominal Heating Capacity (min-max)		kW	4.0(0.88 - 4.2)	4.98(2.19 - 5.74)
UK Total Cooling Capacity		kW	3.85	4.71
Seasonal Efficiency SEER/Class		W/W	7.7/A++	6.1/A++
Seasonal Efficiency SCOP/Class		W/W	4.3/A++	4/A+
Power supply (Indoor)		V- Ph-Hz	Power from outdoor	Power from outdoor
Power supply (Outdoor)		V- Ph-Hz	220-240-1-50	220-240-1-50
Cooling Current (min-max)		A	3.8(1.6-7.1)	7.2(3.2-8.2)
Heating Current (min-max)		A	5(1.4-7.9)	6.4(3.1-8.5)
Max. Current		A	10	13.5
Recommended Fuse Size (Indoor)		A	Power from outdoor	Power from outdoor
Recommended Fuse Size (Outdoor)		A	16	20
Interconnecting Wiring		No.	4 Core 1mm²	4 Core 1mm²
Indoor air flow (Hi/Mi/Lo)		m3/h	550/470/360	560/480/400
Indoor sound pressure level (Hi/Mi/Lo)		dB(A)	47/41/35	43/39/35
Indoor unit	Dimensions (WxDxH) (body)	mm	700x210x600	700x210x600
	Packing (WxDxH)(body)	mm	810x305x710	810x305x710
	Net/Gross weight (body)	Kg	15 / 20	14.8/19.1
Drainage water pipe dia.		mm	ODΦ25	ODΦ25
Outdoor air flow		m3/h	2000	2000
Outdoor sound pressure level		dB(A)	51	51
Outdoor unit	Dimensions (WxDxH)	mm	800x333x554	800x333x554
	Packing (WxDxH)	mm	920x390x625	920x390x625
	Net/Gross weight	Kg	34.7/37.5	33.7/36.6
Refrigerant	Type		R32	R32
	GWP		675	675
	Charged quantity	Kg	0.87	1.15
	Additional Charge	g/m	12	12
Refrigerant piping	Liquid side/ Gas side	mm(inch)	Φ6.35/Φ9.52(1/4"/3/8")	Φ6.35/Φ12.7(1/4"/1/2")
	Max. pipe length	m	25	30
	Max. height difference	m	10	20
Operating temperature	Indoor (Cooling/Heating)	°C	17-32/0-30	17-32/0-31
	Outdoor (Cooling/Heating)	°C	-15-50/-15-24	-15-50/-15-25
PRICE			1096	1412
MI POINTS			12	18

Nominal Conditions: Cooling; indoor 27°C DB, 19°C WB, outdoor 35°C DB, 24°C WB.
Nominal Conditions: Heating; indoor 20°C DB, outdoor 7°C DB, 6°C WB.

UK Conditions: Summer: indoor 21°C DB, 15°C WB, outdoor 27°C DB.
Sound Pressure is measured 1.0m below the air-outlet at Nominal Conditions.
*4 Core option is available

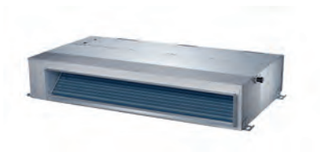
SEE QUICK REFERENCE GUIDE FOR REFRIGERANT CONTRIBUTIONS

SPLIT SYSTEMS QUICK REFERENCE GUIDE

TYPE	CODE	COOLING kW (Min-Max)	HEATING kW (Min-Max)	PIPE SIZES	MAX PIPE LENGTH (M)	MAX PIPE HEIGHT (M)	CHARGE g/M	INTERCONNECTING CABLE	POWER TO	Power Supply			LIST PRICE	MI PRO CONTRIBUTION	
										Ph	In (A)	Out (A)		MI POINTS	Refrigerant Payment
BLANC - WALL MOUNTED	**MA**														
	9	2.6(1.02 - 3.22)	3.0(0.82 - 3.37)	1/4" & 3/8"	25	10	12	5 Core* 1.5mm²	Outdoor	1	N/A	16	556	9	5
	12	3.5(1.08 - 4.10)	4.0(1.08 - 4.22)	1/4" & 3/8"	25	10	12	5 Core* 1.5mm²	Outdoor	1	N/A	16	640	12	7
	18	5.3(1.91 - 6.14)	5.7(1.4 - 6.91)	1/4" & 1/2"	30	20	12	5 Core* 1.5mm²	Outdoor	1	N/A	16	946	18	10
	24	7.0(2.65 – 8.25)	7.6(2.91 - 8.53)	3/8" & 5/8"	50	25	24	5 Core* 2.5mm²	Outdoor	1	N/A	20	1378	24	25
AG WALL MOUNTED	**AG**														
	9	2.64(1.02 - 3.22)	2.93(1.02 - 3.37)	1/4" & 3/8"	25	10	12	5 Core* 1.5mm²	Outdoor	1	N/A	16	660	9	5
	12	3.51(1.377 - 4.30)	3.80(1.06 - 4.38)	1/4" & 3/8"	25	10	12	5 Core* 1.5mm²	Outdoor	1	N/A	16	786	12	7
	18	5.27(3.39 - 5.89)	5.56(3.1 - 6.1)	1/4" & 1/2	30	20	12	5 Core* 1.5mm²	Outdoor	1	N/A	16	1052	18	10
	24	7.03(2.11 – 8.20)	7.32(1.55 - 8.21)	3/8" & 5/8"	50	25	24	5 Core* 2.5mm²	Outdoor	1	N/A	20	1504	24	25
BREEZELESS - WALL MOUNTED	**MSF**														
	9	2.64(0.85 - 3.28)	2.93(.79 - 3.37)	1/4" & 3/8"	25	10	12	5 Core* 1.5mm²	Outdoor	1	N/A	16	848	9	5
	12	3.52(1.31- 4.37)	3.81(0.88 - 4.54)	1/4" & 3/8"	25	10	12	5 Core* 1.5mm²	Outdoor	1	N/A	16	998	12	7
CONSOLE	**MFAU**														
	12	3.5(1.08 - 4.1)	4.0(0.88 - 4.2)	1/4" & 3/8"	25	10	12	4 Core 1mm²	Outdoor	1	N/A	16	1096	12	10
	16	4.83(2.63 - 4.98)	4.98(2.19 - 5.74)	1/4" & 1/2"	30	20	12	4 Core 1mm²	Outdoor	1	N/A	16	1412	18	10
COMPACT ROUND FLOW CASSETTE	**MCA**														
	12	3.52(1.52-5.28)	4.4(1.03-5.57)	1/4" & 3/8"	25	10	12	4 Core 1mmÐ	Outdoor	1	N/A	16	1236	12	10
	18	5.28(5.74-6.15)	5.6(0.88-7.03)	1/4" & 1/2"	30	20	12	4 Core 1mmÐ	Outdoor	1	N/A	16	1638	18	10
SUPER SLIM ROUND FLOW CASSETTE	**MCD**														
	24	7.03(3.22-8.21)	7.62(2.43-8.65)	3/8" & 5/8"	50	25	24	2 Core 1mm²	Both**	1	5* (or Via Outdoor)	20	2086	24	25
	36	10.55(4.04-12.02)	11.14(2.94-13.48)	3/8" & 5/8"	65	30	24	2 Core 1mm²	Both**	1 | 3	5* (or Via Outdoor)	32 | 16	2622	36	35
	48(42)	12.31(2.58-12.77)	13.48(2.05-14.27)	3/8" & 5/8"	65	30	24	2 Core 1mm²	Both**	1	5* (or Via Outdoor)	32	3045	42	35
	48	14.07(4.75-16.12)	16.12(3.93-17.59)	3/8" & 5/8"	65	30	24	2 Core 1mm²	Both**	3	5* (or Via Outdoor)	16	3294	48	35
	55	15.53(5.28-18.46)	18.17(4.4-19.34)	3/8" & 5/8"	65	30	24	2 Core 1mm²	Both**	3	5* (or Via Outdoor)	16	3634	55	35
SUPER SLIM ROUND FLOW CASSETTE TWIN	**MCD**														
	18+18(24+24)	10.55(4.04-12.02)	11.14(2.93-13.19)	3/8" & 5/8"	65	30	24	2 Core 1mm²	Both**	1 | 3	5* (or Via Outdoor)	32 | 16	3355	36	35
	24+24	12.31(2.58-13.7)	13.48(2.05-14.27)	3/8" & 5/8"	65	30	24	2 Core 1mm²	Both**	1	5* (or Via Outdoor)	32	3648	42	35
	24+24	14.07(4.75-16.12)	16.1(3.93-17.59)	3/8" & 5/8"	65	30	24	2 Core 1mm²	Both**	3	5* (or Via Outdoor)	16	3896	48	35
	30+30	15.53(5.28-18.46)	18.2(4.4-20.51)	3/8" & 5/8"	65	30	24	2 Core 1mm²	Both**	3	5* (or Via Outdoor)	16	3999	55	35

* 4 Core Option Available
** Indoor Power Option From Outdoor Available

SPLIT SYSTEMS QUICK REFERENCE GUIDE

TYPE	CODE	COOLING kW (Min-Max)	HEATING kW (Min-Max)	PIPE SIZES	MAX PIPE LENGTH (M)	MAX PIPE HEIGHT (M)	CHARGE g/M	INTERCONNECTING CABLE	POWER TO	Power Supply			LIST PRICE	MI PRO CONTRIBUTION	
										Ph	In (A)	Out (A)		MI POINTS	Refrigerant Payment
CEILING AND FLOOR	**MUE**														
	18	5.28(2.64-6.15)	5.57(2.27-7.03)	1/4" & 1/2"	30	20	12	4 Core 1mm²	Outdoor	1	N/A	16	1542	18	10
	24	7.03(3.22-8.29)	7.62(2.72-8.65)	3/8" & 5/8"	50	25	24	2 Core 1mm²	Both**	1	5* (or Via Outdoor)	20	1900	24	25
	36	10.55(3.93-12.02)	11.14(2.81-13.48)	3/8" & 5/8"	65	30	24	2 Core 1mm²	Both**	1 | 3	5* (or Via Outdoor)	32 | 16	2720	36	35
	48(42)	12.31(2.58-12.77)	13.48(2.05-14.27)	3/8" & 5/8"	65	30	24	2 Core 1mm²	Both**	1	5* (or Via Outdoor)	32	3098	42	35
	48	14.07(4.96-16.04)	16.12(3.81-18.07)	3/8" & 5/8"	65	30	24	2 Core 1mm²	Both**	3	5* (or Via Outdoor)	16	3290	48	35
	55	15.83 (5.28-18.46)	18.17(4.4-19.64)	3/8" & 5/8"	65	30	24	2 Core 1mm²	Both**	3	5* (or Via Outdoor)	16	3434	55	35
CEILING AND FLOOR TWIN	**MUE**														
	18+18(24+24)	10.55(3.93-12.02)	11.14(2.81-13.48)	3/8" & 5/8"	65	30	24	2 Core 1mm²	Both**	1 | 3	5* (or Via Outdoor)	32 | 16	2983	36	35
	24+24	12.31(2.58-13.7)	13.48(2.05-14.27)	3/8" & 5/8"	65	30	24	2 Core 1mm²	Both**	1	5* (or Via Outdoor)	32	3241	42	35
	24+24	14.07(4.96-16.04)	16.12(3.81-18.07)	3/8" & 5/8"	65	30	24	2 Core 1mm²	Both**	3	5* (or Via Outdoor)	16	3489	48	35
	30+30	15.83 (5.28-18.46)	18.17(4.4-19.64)	3/8" & 5/8"	65	30	24	2 Core 1mm²	Both**	3	5* (or Via Outdoor)	16	4195	55	35
A6 DUCT	**MTI**														
	12	3.51(1.49-4.75)	4.10(0.97-5.63)	1/4" & 3/8"	25	10	12	4 Core 1mm²	Outdoor	1	N/A	16	1254	12	10
	18	5.28(2.55-6.15)	5.57(2.20-7.03)	1/4" & 1/2"	30	20	12	4 Core 1mm²	Outdoor	1	N/A	16	1600	18	10
	24	7.03(3.28-8.16)	7.62(2.72-8.72)	3/8" & 5/8"	50	25	24	2 Core 1mm²	Both**	1	5* (or Via Outdoor)	20	1976	24	25
	36	10.55(4.04-12.02)	11.14(2.81-13.19)	3/8" & 5/8"	65	30	24	2 Core 1mm²	Both**	1 | 3	5* (or Via Outdoor)	32 | 16	2794	36	35
	42	12.31(2.58-12.77)	13.48(2.05-14.27)	3/8" & 5/8"	65	30	24	2 Core 1mm²	Both**	1	5* (or Via Outdoor)	32	2940	42	35
	48	14.07(4.26-16.41)	16.12(3.7-18.02)	3/8" & 5/8"	65	30	24	2 Core 1mm²	Both**	3	5* (or Via Outdoor)	16	3460	48	35
	55	15.24(5.86-18.11)	18.17(4.69-20.52)	3/8" & 5/8"	65	30	24	2 Core 1mm²	Both**	3	5* (or Via Outdoor)	16	3562	55	35
A6 DUCT TWIN	**MTI**														
	18+18(24+24)	10.55(4.04-12.02)	11.14(2.81-13.19)	3/8" & 5/8"	65	30	24	2 Core 1mm²	Both**	1 | 3	5* (or Via Outdoor)	32 | 16	3135	36	35
	24+24	12.31(2.58-13.7)	13.48(2.05-14.27)	3/8" & 5/8"	65	30	24	2 Core 1mm²	Both**	1	5* (or Via Outdoor)	32	3393	42	35
	24+24	14.07(4.26-16.41)	16.12(3.7-18.02)	3/8" & 5/8"	65	30	24	2 Core 1mm²	Both**	3	5* (or Via Outdoor)	16	3641	48	35
	30+30	15.24(5.86-18.11)	18.17(4.69-20.52)	3/8" & 5/8"	65	30	24	2 Core 1mm²	Both**	3	5* (or Via Outdoor)	16	4343	55	35

* 4 Core Option Available
** Indoor Power Option From Outdoor Available

MULTI SPLIT SERIES

The Multi Split series is the ideal solution for efficient 2, 3, 4 or 5 zone air conditioning with a single outdoor unit.

MULTI SPLIT SERIES

OUTDOOR UNITS

BLANC WALL MOUNTED

BREEZELESS WALL MOUNTED

COMPACT CASSETTE

DUCTED

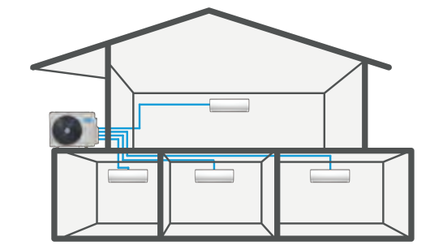
CONSOLE

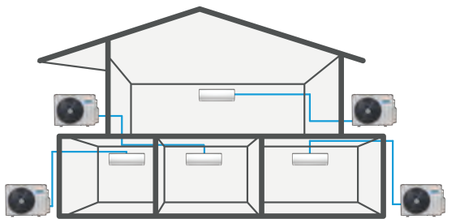
Voice Control

Midea Air App

Midea Air App is available on all split systems please see page XX for features.

MULTI SPLIT OUTDOOR UNITS





Flexible installation

FLEXIBLE INSTALLATION

One outdoor unit can be connected with up to 5 indoor units. Each indoor unit can be individually controlled.

Indoor units do not need to be installed at the same time, which enables system expansion depending on the user's needs.

DEDICATED INDOOR UNITS

The MultI Split series is the ideal solution for efficient 2, 3, 4 or 5-zone air conditioning with a single outdoor unit. On a single system it is possible to connect a range of different indoors with varying capacities. All indoor units can be individually controlled and pipe lengths of up 80 metres can be accommodated.

Dedicated indoor units

MULTI SPLIT OUTDOOR UNITS

OUTDOOR			M2OG-14HFN8-Q	M2OD-18HFN8-Q	M3OF-21HFN8-Q	M3OF-27HFN8-Q
Nominal Cooling Capacity (min-max)		kW	4.10 (1.39 - 4.83)	5.3 (1.4 - 6.34)	6.15 (2.142 - 6.85)	7.9 (1.58 - 8.69)
Nominal Heating Capacity (min-max)		kW	4.40 (1.65 - 4.98)	5.6 (1.54 - 6.66)	6.59 (1.80 - 6.74)	8.2 (1.58 - 8.69)
Outdoor air flow		m3/h	2200	2200	3000	2700
Outdoor sound pressure level		m3/h	53	53	55	56
Seasonal Efficiency SEER/Class		w/w	6.1/A+	6.1/A+	6.1/A+	6.1/A++
Seasonal Efficiency SCOP/Class		w/w	3.8/A	3.8/A	3.8/A	4/A+
Power supply (Outdoor)		V-Hz	220-240V- 50Hz, 1Ph	220-240V- 50Hz, 1Ph	220-240V- 50Hz, 1Ph	220-240V- 50Hz, 1Ph
Cooling Current (min-max)			5.52(0.73-9.3)	7.1(2.8-9.2)	9.0(1.09-9.9)	13.7(2.2-14.3)
Heating Current (min-max)			5.15(1.15-9.4)	6.1(2.6-7.7)	8.5(1.94-8.5)	12.5(2.5-12.9)
Max. Current			11.5	13	15.5	17.5
Recommended Fuse Size (Outdoor)		A	16	16	16	20
Dimensions (WxDxH)		mm	800x333x554	800x333x554	845x363x702	845x363x702
Packing (WxDxH)		mm	920x390x615	920x390x615	965x395x775	965x395x755
Net/Gross weight		Kg	31.8/34.9	35.5/38.5	46.8/51.1	51.1/55.8
Refrigerant	Type		R32	R32	R32	R32
	GWP		675	675	675	675
	Charged quantity	Kg	1.1	1.25	1.4	1.72
	Additional Charge	g/m	12	12	12	12
Refrigerant piping	Liquid side/ Gas side	mm(inch)	6.35 & 9.52 (x2) (1/4" & 3/8" (x2))	6.35 & 9.52 (x2) (1/4" & 3/8" (x2))	6.35 & 9.52 (x3) (1/4" & 3/8" (x3))	6.35 & 9.52 (x3) (1/4" & 3/8" (x3))
	Max. pipe length (All)	m	40	40	60	60
	Max. pipe length (Per indoor)		25	25	30	30
	Max. height indoor to outdoor		15	15	15	15
	Max. height between indoors	m	10	10	10	10
Thermostat type			Remote Control	Remote Control	Remote Control	Remote Control
Outdoor (Cooling/Heating)		°C	-15-50/-15-24	-15-50/-15-24	-15-50/-15-24	-15-50/-15-24
PRICE			**988**	**1,042**	**1,418**	**1,484**
MI POINTS			**14**	**18**	**21**	**27**

MULTI SPLIT OUTDOOR UNITS

OUTDOOR			M4OE-28HFN8-Q	M4O-36FN8-Q	M5O-42FN8-Q
Nominal Cooling Capacity (min-max)		kW	8.20 (2.84 - 9.67)	10.6 (1.59 - 13.78)	12.3 (1.66 - 14)
Nominal Heating Capacity (min-max)		kW	8.79 (2.28 - 11.42)	11.1 (1.8 - 14.4)	12.3 (1.66 - 14.94)
Outdoor air flow		m3/h	3800	4000	3850
Outdoor sound pressure level		m3/h	59	60	58
Seasonal Efficiency SEER/Class		w/w	6.1/A++	6.1/A++	5.8/A+
Seasonal Efficiency SCOP/Class		w/w	3.8/A	3.8/A	3.5/A
Power supply (Outdoor)		V-Hz	220-240V- 50Hz, 1Ph	220-240V- 50Hz, 1Ph	220-240V- 50Hz, 1Ph
Cooling Current (min-max)			11.3(3.9-14.1)	14.3(5.1-18.2)	18.5(6.6-20.3)
Heating Current (min-max)			9.8(3.4-12.2)	12.1(4.3-15.3)	13.5(4.8-17.8)
Max. Current			19	21.5	22
Recommended Fuse Size (Outdoor)		A	20	25	25
Dimensions (WxDxH)		mm	946x410x810	946x410x810	946x410x810
Packing (WxDxH)		mm	1090x500x875	1090x500x875	1090x500x875
Net/Gross weight		Kg	62.1/67.7	68.8/75.6	73.3/80.4
Refrigerant	Type		R32	R32	R32
	GWP		675	675	675
	Charged quantity	Kg	2.1	2.1	2.4
	Additional Charge	g/m	12	12 (1/4") 24 (3/8")	12 (1/4") 24 (3/8")
Refrigerant piping	Liquid side/ Gas side	mm(inch)	6.35 & 9.52 (x4) (1/4" & 3/8" (x4))	6.35 (x4) & 9.52 (x3) & 12.7(x1) (1/4" (x4) & 3/8" (x3) & 1/2" (x1))	6.35 (x5) & 9.52 (x4) & 12.7(x1) (1/4" (x5) & 3/8" (x4) & 1/2" (x1))
	Max. pipe length (All)	m	80	80	80
	Max. pipe length (Per indoor)		35	35	35
	Max. height indoor to outdoor		15	15	15
	Max. height between indoors	m	10	10	10
Thermostat type			Remote Control	Remote Control	Remote Control
Outdoor (Cooling/Heating)		°C	-15-50/-15-24	-15-50/-15-24	-15-50/-15-24
PRICE			**1786**	**2320**	**2422**
MI POINTS			**28**	**36**	**42**

Nominal Conditions: Cooling; indoor 27°C DB, 19°C WB, outdoor 35°C DB, 24°C WB.
Nominal Conditions: Heating; indoor 20°C DB, outdoor 7°C DB, 6°C WB.

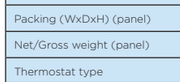
UK Conditions: Summer: indoor 21°C DB, 15°C WB, outdoor 27°C DB.
Sound Pressure is measured 1.5m below the air-outlet at Nominal Conditions.

SEE QUICK REFERENCE GUIDE FOR REFRIGERANT CONTRIBUTIONS

MULTI SPLIT INDOOR UNITS

BLANC - WALL MOUNTED

INDOOR			MA-09NXD0-XI	MA-12NXD0-XI	MA-18NXD0-I	MA-24NXD0-I
Nominal Cooling Capacity (min-max)		kW	2.6(1.02 - 3.22)	3.5(1.08 - 4.10)	5.3(1.91 - 6.14)	7.0(2.65 - 8.25)
Nominal Heating Capacity (min-max)		kW	3.0(0.82 - 3.37)	4.0(1.08 - 4.22)	5.7(1.4 - 6.91)	7.6(2.91 - 8.53)
UK Total Cooling Capacity		kW	3.06	3.94	5.91	7.4
Interconnecting Wiring		No.	4 Core 1.5mm	4 Core 1.5mm	4 Core 1.5mm	4 Core 1.5mm
Power Supply		V-Hz-Ph	Via outdoor	Via outdoor	Via outdoor	Via outdoor
Indoor air flow (Hi/Mi/Lo)		m3/h	520/460/340	600/500/380	860/690/560	1050/860/700
Indoor sound pressure level (Hi/Mi/Lo/Si)		dB(A)	36/30/26/21	38/34/28/22	43/36/30/22	47/40/33/22
Dimensions (WxDxH)		mm	805x205x285	805x205x285	958x223x302	1038x235x325
Packing (WxDxH)		mm	870x285x360	870x285x360	1035x305x380	1120x405x330
Net/Gross weight		Kg	7.9/10.3	7.9/10.3	10.3/13.3	12.8/16.2
Thermostat type			Remote Control	Remote Control	Remote Control	Remote Control
Refrigerant piping	Liquid side/ Gas side	mm(inch)	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")
Indoor (Cooling/Heating)		°C	16-32/0-30	16-32/0-30	16-32/0-30	16-32/0-30
PRICE			206	234	306	346



A6 DUCTED

INDOOR			MTIU-09FNXD0	MTIU-12FNXD0	MTIU-18FNXD0
Nominal Cooling Capacity (min-max)		kW	2.6(1.03 - 3.2)	3.51(1.49-4.75)	5.28(2.55-6.15)
Nominal Heating Capacity (min-max)		kW	3.0(0.82 - 3.4)	4.10(0.97-5.63)	5.57(2.20-7.03)
UK Total Cooling Capacity		kW	3.06	4.17	5.77
Power Supply		V-Hz-Ph	Via outdoor	Via outdoor	Via outdoor
Interconnecting Wiring		No.	4 Core 1.5mm	4 Core 1.5mm	4 Core 1.5mm
Indoor air flow (Hi/Mi/Lo)		m3/h	500/340/230	600/480/300	880/650/350
Indoor sound pressure level (Hi/Mi/Lo)		dB(A)	32/28/26	35/31/26	40/36/33
Dimensions (WxDxH)		mm	700x450x200	700x450x200	880x674x210
Packing (WxDxH)		mm	860x540x285	860x540x285	1070x725x280
Net/Gross weight		Kg	18/22	18/22	24.3/29.6
Thermostat type			Remote Control	Remote Control	Remote Control
Refrigerant piping	Refrigerant	mm(inch)	Φ6.35/Φ9.52(1/4"/3/8")	Φ6.35/Φ9.52(1/4"/3/8")	Φ6.35/Φ12.7(1/4"/1/2")
Indoor (Cooling/Heating)		°C	17-32/0-30	17-32/0-30	17-32/0-30
PRICE			444	494	570

COMPACT ROUND FLOW CASSETTE

INDOOR			MCA3I-09FNXD0	MCA3U-12FNXD0	MCA3U-18FNXC8
Nominal Cooling Capacity (min-max)		kW	2.6(1.03 - 3.2)	3.52(1.52-5.28)	5.28(5.74-6.15)
Nominal Heating Capacity (min-max)		kW	3.0(0.82 - 3.4)	4.4(1.03-5.57)	5.42(2.37-7.03)
UK Total Cooling Capacity		kW	3.06	4.17	5.77
Power Supply		V-Hz-Ph	Via outdoor	Via outdoor	Via outdoor
Interconnecting Wiring		No.	4 Core 1.5mm	4 Core 1.5mm	4 Core 1.5mm
Indoor air flow (Hi/Mi/Lo)		m3/h	580/500/450	617/504/415	680/560/500
Indoor sound pressure level (Hi/Mi/Lo)		dB(A)	35/33/31	37/34/31	44/38/33
Dimensions (WxDxH) (body)		mm	570x570x260	570x570x260	570x570x260
Packing (WxDxH) (body)		mm	662x662x317	662x662x317	662x662x317
Net/Gross weight (body)		Kg	14.5/17.3	16.2/21.4	16.2/21.4
Dimensions (WxDxH) (panel)		mm	647x647x50	647x647x50	647x647x50
Packing (WxDxH) (panel)		mm	715x715x123	715x715x123	715x715x123
Net/Gross weight (panel)		Kg	2.5/4.5	2.5/4.5	2.5/4.5
Thermostat type			Remote Control	Remote Control	Remote Control
Refrigerant piping	Liquid side/Gas side	mm(inch)	Φ6.35/Φ9.52(1/4"/3/8")	Φ6.35/Φ9.52(1/4"/3/8")	Φ6.35/Φ12.7(1/4"/1/2")
Indoor (Cooling/Heating)		°C	17-32/0-30	17-32/0-30	17-32/0-30
PRICE			630	640	662

MULTI SPLIT INDOOR UNITS

BREEZELESS - WALL MOUNTED

INDOOR			MSFAAU-09HRFN8	MSFAAU-12HRFN8
Nominal Cooling Capacity (min-max)		kW	2.64(0.85 - 3.28)	3.52(1.31- 4.37)
Nominal Heating Capacity (min-max)		kW	2.93(.79 - 3.37)	3.81(0.88 - 4.54)
UK Total Cooling Capacity		kW	3.17	4.15
Power Supply		V-Hz-Ph	4 Core 1.5mm	4 Core 1.5mm
Interconnecting Wiring		No.	Via outdoor	Via outdoor
Indoor air flow (Hi/Mi/Lo)		m3/h	610/500/380	640/520/400
Indoor sound pressure level (Hi/Mi/Lo)		dB(A)	38/35/21/19	39/36/21/20
Dimensions (WxDxH)		mm	940x193x325	940x193x325
Packing (WxDxH)		mm	1055x385x290	1055x385x290
Net/Gross weight		Kg	10.7/13.8	10.7/13.8
Thermostat type			Remote Control	Remote Control
Refrigerant piping	Refrigerant	mm(inch)	Φ6.35/Φ9.52(1/4"/3/8")	Φ6.35/Φ9.52(1/4"/3/8")
Indoor (Cooling/Heating)		°C	17-32/0-30	17-32/0-30
PRICE			254	300

CONSOLE

INDOOR			MFAU-12FNXD0	MFAU-16FNXD0
Nominal Cooling Capacity (min-max)		kW	3.5(1.08 - 4.1)	4.83(2.63 - 4.98)
Nominal Heating Capacity (min-max)		kW	4.0(0.88 - 4.2)	4.98(2.19 - 5.74)
UK Total Cooling Capacity		kW	3.85	4.71
Power Supply		V-Hz-Ph	Via outdoor	Via outdoor
Interconnecting Wiring		No.	4 Core 1.5mm	4 Core 1.5mm
Indoor air flow (Hi/Mi/Lo)		m3/h	550/470/360	560/480/400
Indoor sound pressure level (Hi/Mi/Lo)		dB(A)	47/41/35	43/39/35
Dimensions (WxDxH)		mm	700x210x600	700x210x600
Packing (WxDxH)		mm	810x305x710	810x305x710
Net/Gross weight		Kg	15 / 20	14.8/19.1
Thermostat type			Remote Control	Remote Control
Refrigerant piping	Refrigerant	mm(inch)	Φ6.35/Φ9.52(1/4"/3/8")	Φ6.35/Φ12.7(1/4"/1/2")
Indoor (Cooling/Heating)		°C	17-32/0-30	17-32/0-30
PRICE			394	428

COMBINATION TABLES

M2OG-14HFN8-Q

ONE UNIT	TWO UNIT
9	9+9
12	
16	
18	

M2OD-18HFN8-Q

ONE UNIT	TWO UNIT
9	9+9
12	9+12
16	12+12
18	

M3OF-21HFN8-Q

ONE UNIT	TWO UNIT	THREE UNIT
9	9+9	9+9+9
12	9+12	
16	9+16	
18	9+18	
	12+12	

M3OF-27HFN8-Q

ONE UNIT	TWO UNIT		THREE UNIT
9	9+9	12+12	9+9+9
12	9+12	12+16	9+9+12
16	9+16	12+18	9+12+12
18	9+18		

M3OF-28HFN8-Q

ONE UNIT	TWO UNIT		THREE UNIT	FOUR UNIT
9	9+9	12+16	9+9+9	9+9+9+9
12	9+12	12+18	9+9+12	
16	9+16	12+24	9+9+16	
18	9+18	16+16	9+9+18	
24	9+24	16+18	9+12+12	
	12+12	18+18	12+12+12	

M4O-36FN8-Q

ONE UNIT	TWO UNIT		THREE UNIT		FOUR UNIT	
9	9+9	12+12	9+9+9	9+12+24	9+9+9+9	9+9+12+12
12	9+12	12+16	9+9+12	9+16+16	9+9+9+12	9+9+12+16
16	9+16	12+18	9+9+16	9+16+18	9+9+9+16	9+9+12+18
18	9+18	12+24	9+9+18	9+18+18	9+9+9+18	9+12+12+12
24	9+24	16+18	9+9+24	12+12+12		
		18+18	9+12+12	12+12+16		
			9+12+16	12+12+18		
			9+12+18			

M5O-42FN8-Q

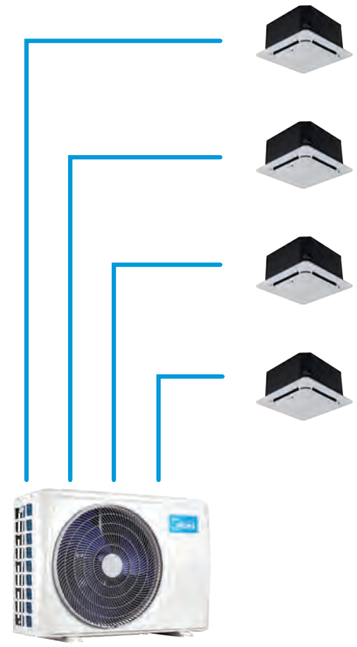
ONE UNIT	TWO UNIT		THREE UNIT		FOUR UNIT		FIVE UNIT
9	9+9	12+12	9+9+9	9+12+18	9+9+9+9	9+9+12+24	9+9+9+9+9
12	9+12	12+18	9+9+12	9+18+18	9+9+9+12	9+12+12+12	9+9+9+9+12
16	9+18	12+24	9+9+16	12+12+12	9+9+9+18	9+12+12+16	9+9+9+9+16
18	16+24	16+18	9+9+18	12+12+16	9+9+9+24	9+12+12+18	9+9+9+9+18
24	9+24	16+18	9+9+24	12+16+16	9+9+12+12	12+12+12+12	9+9+9+12+12
		18+18	9+12+12	12+16+18	9+9+12+18	12+12+12+16	9+9+12+12+12
			9+12+24	12+12+18		12+12+12+18	
			9+12+16	12+18+18			
			9+16+16	12+12+24			
			9+16+18				

MULTI SPLIT SYSTEMS

- Full flexibility with mix & match combinations - mix unit type & capacity
- Control each unit individually
- Up to 130% diversity
- Up to 80 metres total pipework

M2 – UP TO 2 INDOORS
Cooling: 4.1 kW to 6.34 kW
Heating: 4.4 kW to 6.66 kW

M4 – UP TO 4 INDOORS
Cooling: 8.2 kW to 13.78 kW
Heating: 8.79 kW to 14.4 kW



- Up to 5 zones from a single outdoor unit
- Indoor capacity from: cooling 2.6 kW to 8.25 kW / heating 3 kW to 8.53 kW
- Wi-Fi control standard with Blanc & Breezeless wall mounted / optional for ducted and compact cassette

M3 – UP TO 3 INDOORS
Cooling: 6.15 kW to 8.69 kW
Heating: 6.59 kW to 8.69 kW

M5 – UP TO 5 INDOORS
Cooling: 12.3 kW to 14 kW
Heating: 12.3 kW to 14.94 kW

MULTI SPLIT QUICK REFERENCE GUIDE

TYPE	CODE	COOLING kW (Min-Max)	HEATING kW (Min-Max)	PIPE SIZES	MAX PIPE LENGTH (M)	MAX PIPE HEIGHT (M)	CHARGE g/M	INTERCONNECTING CABLE	POWER TO	Power Supply		LIST PRICE	MI PRO CONTRIBUTION	
										Ph	Fuse (A)		MI POINTS	Refrigerant Payment
OUTDOOR UNITS														
	14	4.10(1.39-4.83)	4.40(1.65-4.98)	(1/4" & 3/8" (x2))	40	10	See Indoor	See Indoor	Outdoor	1	16	988	14	10
	18	5.3(1.4-6.34)	5.6(1.54-6.66)	1/4" & 3/8" (x2)	40	10	See Indoor	See Indoor	Outdoor	1	16	1042	18	10
	21	6.15(2.142-6.85)	6.59(1.80-6.74)	(1/4" & 3/8" (x3))	60	10	See Indoor	See Indoor	Outdoor	1	16	1418	21	12
	27	7.9(1.58-8.69)	8.2 (1.58-8.69)	1/4" & 3/8" (x3)	60	10	See Indoor	See Indoor	Outdoor	1	16	1484	27	12
	28	8.20(2.84-9.67)	8.79(2.28-11.42)	(1/4" & 3/8" (x4))	80	10	See Indoor	See Indoor	Outdoor	1	20	1786	28	12
	36	10.6(1.59-13.78)	11.1(1.8-14.4)	1/4" (x4) & 3/8" (x3) & 1/2" (x1)	80	10	See Indoor	See Indoor	Outdoor	1	25	2320	36	17
	42	12.3(1.66-14)	12.3(1.66-14.94)	1/4" (x5) & 3/8" (x4) & 1/2" (x1)	80	10	See Indoor	See Indoor	Outdoor	1	25	2422	42	21
BLANC WALL MOUNTED	**MA**													
	9	2.6(1.02-3.22)	3.0(0.82-3.37)	1/4" & 3/8"	25-35*	10	12	4 Core 1.5mm	Outdoor	1	N/A	206	See Outdoor	
	12	3.5(1.08-4.10)	4.0(0.08-4.22)	1/4" & 3/8"	25-35*	10	12	4 Core 1.5mm	Outdoor	1	N/A	234	See Outdoor	
	18	5.3(1.91-6.14)	5.7(1.4-6.91)	1/4" & 1/2"	25-35*	10	12	4 Core 1.5mm	Outdoor	1	N/A	306	See Outdoor	
	24	7.0(2.65-8.25)	7.6(2.91- 8.53)	3/8" 5/8"	25-35*	10	24	4 Core 1.5mm	Outdoor	1	N/A	346	See Outdoor	
BREEZELESS WALL MOUNTED	**MSF**													
	9	2.64(0.85-3.28)	2.93(.79-3.37)	1/4" & 3/8"	25-35*	10	12	4 Core 1.5mm	Outdoor	1	N/A	254	See Outdoor	
	12	3.52(1.31-4.37)	3.81(0.88-4.54)	1/4" & 3/8"	25-35*	10	12	4 Core 1.5mm	Outdoor	1	N/A	300	See Outdoor	
COMPACT CASSETTE	**MCA**													
	9	2.6(1.03- 3.2)	3.0(0.82-3.4)	1/4" & 3/8"	25-35*	10	12	4 Core 1.5mm	Outdoor	1	N/A	630	See Outdoor	
	12	3.52(1.52-5.28)	4.4(1.03-5.57)	1/4" & 3/8"	25-35*	10	12	4 Core 1.5mm	Outdoor	1	N/A	640	See Outdoor	
	18	5.28(5.74-6.15)	5.42(2.37-7.03)	1/4" & 1/2"	25-35*	10	12	4 Core 1.5mm	Outdoor	1	N/A	662	See Outdoor	
DUCTED	**MTIU**													
	9	2.6 (1.03-3.2)	3.0 (0.82-3.4)	1/4" & 3/8"	25-35*	10	12	4 Core 1.5mm	Outdoor	1	N/A	444	See Outdoor	
	12	3.51(1.49-4.75)	4.10(0.97-5.63)	1/4" & 3/8"	25-35*	10	12	4 Core 1.5mm	Outdoor	1	N/A	494	See Outdoor	
	18	5.282.55-6.15)	5.57(2.20-7.03)	1/4" & 1/2"	25-35*	10	12	4 Core 1.5mm	Outdoor	1	N/A	570	See Outdoor	
CONSOLE	**MFA**													
	12	3.5(1.08-4.1)	4.0 (0.88-4.2)	1/4" & 3/8"	25-35*	10	12	4 Core 1.5mm	Outdoor	1	N/A	394	See Outdoor	
	16	4.83(2.63-4.98)	4.98 (2.19-5.74)	1/4" & 1/2"	25-35*	10	12	4 Core 1.5mm	Outdoor	1	N/A	428	See Outdoor	

*Max pipe length varies depending on outdoor/indoor combination - see manual for full details.

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PORTABLE UNITS

Midea Portable air conditioning units are available in either 9000BTU or 12000BTU and are perfect for bedrooms, offices, hotels and conference rooms. With easy to use controls, sleek design and 360 degree castor wheels these units can be used in any room up to 34m².

VOICE AND APP CONTROL

All portable units can be controlled via the Midea Air App and can be used with Alexa and Google Home voice commands.

SLEEP MODE FUNCTION

With a precise temperature control system, “sleep mode” creates an ideal climate in your room so you can wake up comfortable and fully refreshed.

LED DISPLAY

The LED display shows the temperature of the unit and gives an indication of any errors, allowing for auto protection and self diagnosis.

24 HOUR TIMER

Use the 24 Hour/7 Day timer via the APP to control the portable unit

PORTABLE	MPPH-09CRN7	MPPH-12CRN7
Cooling kW	2.6	3.2
Size (WxDxH)	435x432x720	435x432x720
WI-FI	YES	YES
PRICE	520	620
MI POINTS	9	12

USER FRIENDLY DESIGN

ECO timer


No Drain–Pipe Required


Easy to clean filter


Power cord tidy design


360° Castor Wheels

ANDROID APP ON Google play

Download on the App Store

SPLIT SYSTEM CONTROLLERS

HARD WIRED CONTROLLERS



MODEL	KJR29B	KJR120G(P)	KJR120G(2)
Plug & Play Model	✓	✓	✓
2 Core Model	✗	✗	✓
Fan speed control	✓	✓	✓
Mode selection	✓	✓	✓
Auto mode	✓	✓	✓
Eco mode	✗	✓	✓
Keyboard lock	✓	✓	✓
Swing function	✓	✓	✓
Background light	✓	✓	✓
24 hour timer	✓	✓	✓
Clock display	✓	✓	✓
Address setting	✓	✓	✓
Remote signal receiver	✓	✓	✓
Clean filter reminder	✓	✓	✓
Follow Me function	✓	✓	✓
Silent mode	✓	✓	✓
One-key 26°C	✗	✓	✓
Weekly schedule timer	✗	✓	✓
Auto restart	✓	✓	✓
Dimensions (HxWxD)mm	120x120x20	120x120x20	120x120x20
Power Supply	DC 5V (Supplied by indoor unit)		
PRICE	100	76	116

KJR29B (Touch key)

WIDE RANGE OF FUNCTIONS

A user friendly selection of wired controllers, with functions to suit any environmental requirements. Clear LED display screens, 24 hour or weekly timers, auto functions and error reporting are just some of the functions available in the Midea wired controller range.

*Free plug and play controller with all Super Slim Cassette systems.

WIRELESS REMOTE CONTROLLERS


MODEL	RG70	RG10A1
Mode selection	✓	✓
Temperature setting	✓	✓
Fan speed control	✓	✓
Keyboard lock	✓	✓
Eco mode	✓	✓
Swing function	✓	✓
Air direction control	✓	✓
24 hour timer	✓	✓
Night silent mode	✓	✓
Address setting	✓	✓
Follow Me function	✓	✓
Display shut-off	✓	✓
Background light	✓	✓
Signal Range	8m	8m
Batteries	DC 5V (Supplied by indoor unit)	
PRICE	76	76

INTELLIGENT WI-FI CONTROLLERS

Midea Split Wi-Fi Controllers offer long distance control via the Midea Air APP. System can be controlled via smartphone, tablet, laptop or desktop. Systems can all be controlled via Alexa or Google Home with voice control.

MODEL	WF-60A1
Description	Wi-Fi for Cassette/ Ceiling & Floor/Ducted
PRICE	160

MODEL	SK-102
Description	Wi-Fi for High Wall
PRICE	80

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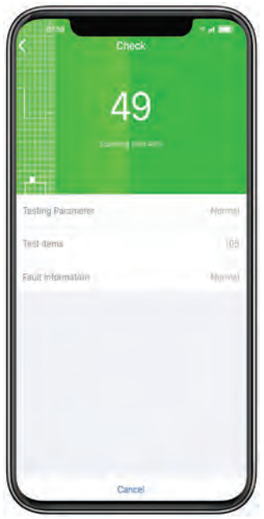
Midea

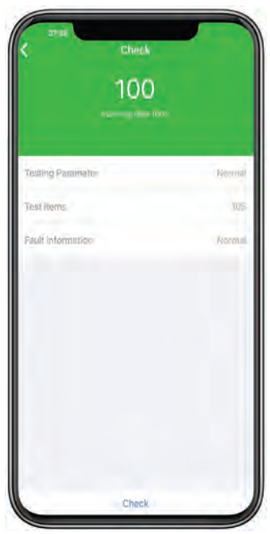
ANDROID APP ON Google play

Download on the App Store

Midea Air App

MIDEA AIR APP

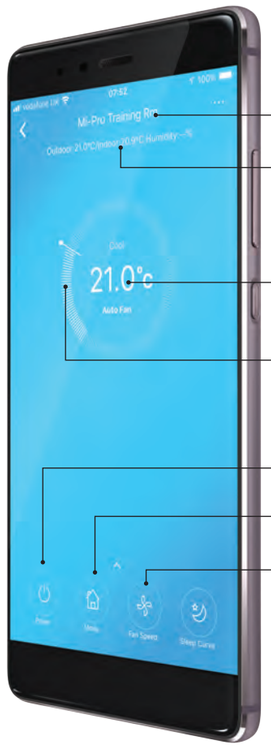




SYSTEM CHECKS AT HOME OR AWAY TEST UP TO 105 ITEMS REMOTELY

Remotely check connected equipment or share system status with a trained technician should your device indicate a system abnormality. Remote scanning and equipment diagnostics at the touch of a button.

You can check up to 105 test items of every connected system to ensure that equipment is performing to the standards you would expect from Midea. In the unlikely event of equipment malfunction your first visit to site could be armed with the required spare part already diagnosed remotely. Saving time on equipment diagnostics and end user inconvenience



TAKE A CLOSER LOOK

UNIT LOCATION
Name the unit location/System No.

SYSTEM STATUS
Outdoor Temperature/Indoor Temperature/Humidity

CIRCLE OF OPERATION
Set Temp/Mode/Fan Speed

USER SET TEMPERATURE
Rotate from 16 to 30°C

POWER BUTTON
Turn air conditioner On/Off

MODE
Auto/Cool/Heat/Dry/Fan Only

FAN SPEED
Select fan speed from 0 to 100%

HEATING

Make your environment cosy before you arrive at work or home.

COOLING

Keeps you cool from the moment you walk in the door.

FAN ONLY

Sometimes you only need some air circulation to get comfortable. The great thing with this option is it saves on your power bill too.

AUTO

Automatically cool or heat your home or place of work with the set and forget auto function.

VRF OUTDOORS

Offering high performance VRF outdoor units with heat pump and heat recovery technology, the variety of models bring high efficiency, high reliability cooling and heating to projects large and small.

VRF OUTDOORS

MINI VRF FULL DC INVERTER

V6R HEAT RECOVERY

V6 HEAT PUMP

CONTROLLERS

BRANCH JOINTS

SELECTION SOFTWARE

MODE SWITCH (MS) BOX

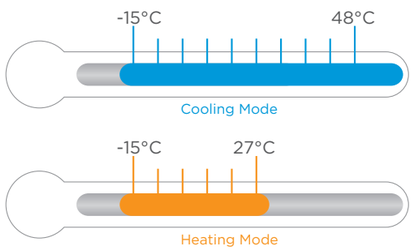
MINI VRF
FULL DC INVERTER

7.2kW(1.5-8kW), 9.0kW(2-10kW)

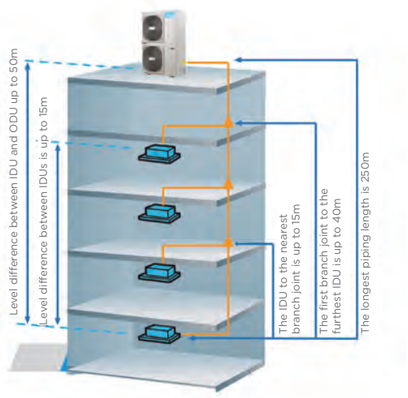
12.3kW, 14kW, 15.5kW, 17.5kW

20kW, 22.4kW, 26kW 28kW, 33.5kW, 40kW, 45kW

Wide range of indoor units



Wide operation range



Long piping length

WIDE APPLICATION RANGE

WIDE CAPACITY RANGE

The outdoor unit is available in capacity ranges from 7.2kW to 45kW. It is perfect for commercial and residential applications such as small offices, apartments and shops.

WIDE RANGE OF INDOOR UNITS

Midea provides 11 ranges and more than 100 models of VRF indoor units. These have been proven to meet a wide range of applications including hotels, hospitals, office blocks, airports and sports stadiums.

WIDE OPERATION RANGE

Mini VRF Series operates stably under extreme conditions, ranging from minus 15°C to 48°C.

LONG PIPING LENGTH

The Mini VRF provides a total piping length possibility of 250m, a maximum height difference between outdoor and indoor units of 50m. The height difference between indoor units can be up to 15m. These generous allowances facilitate an extensive array of system designs.

	PERMITTED VALUE(M)		7.2/9kW	12.3/14/ 15.5/17.5kW	20/22.4/ 26kW	28/33.5kW	40/45kW
Piping length	Total piping length (Actual)		100	100	120	150	250
	Longest piping (L)	Actual length	45	60	60	100	100
		Equivalent length	50	70	70	110	120
Level - difference	Equivalent piping length (from the farthest IDU to the first indoor branch joint)		20	20	20	40	40
	Level difference between IDU-ODU	Outdoor unit up	20	20	20	50	20
		Outdoor unit down	30	30	30	40	30
	Level difference between IDU-IDU		8	8	8	15	8

1. Total pipe length is equal to all the liquid pipe or all the gas pipe length.
2. When the total equivalent pipe length of liquid side plus gas side is more than 90m, it needs to meet the specific conditions according to the installation part of the technical manual.

EASY INSTALLATION AND SERVICE

EASY INSTALLATION

No special area is required for outdoor units. All outdoor units can be transported by elevator, which greatly simplifies installation and reduces time and labour.

The Mini VRF system's indoor and outdoor units are almost as easy to install as residential air conditioning systems, making them ideal for small offices and shops.

SPACE SAVING DESIGN

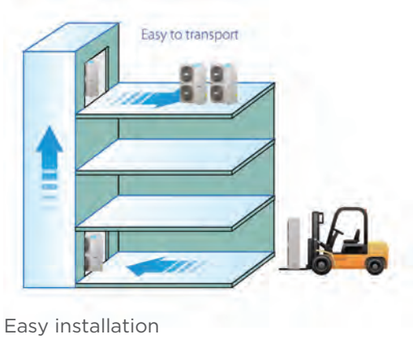
The Mini VRF units are slimmer and more compact, resulting in significant savings in installation space.

In some large residential and light commercial areas, such as restaurants, shops and larger houses, it would usually need more than one indoor unit, which in turn requires multiple outdoor units.

Midea's Mini VRF system solves this problem, and retains the aesthetics of the building.

AUTO ADDRESSING

Outdoor unit can distribute addresses for indoor units automatically. Wireless and wired controllers can query and modify each indoor units address.



Easy installation

Space saving design

Auto addressing

MINI VRF FULL DC INVERTER

Mini VRF 8, 10.5kW

Mini VRF 12, 14, 16, 18kW

Mini VRF 20, 22.4, 26, 28, 33.5, 40, 45kW

SINGLE PHASE

MODEL			V80W/DN1	V105W/DN1	V120W/DN1	V140W/DN1	V160W/DN1(B)
HP			3	4	4.5	5	6
Power supply		V/Ph/Hz	220-240/1/50				
Recommended Fuse Size		A	25	32	40	40	40
Cooling	Capacity	kW	7.2(1.5-8.0)	9.0(2.0-10.0)	12.5	14	15.5
Heating	Capacity	kW	7.2(1.6-8.4)	9.0(2.1-10.5)	14	16	17
Connectable indoor unit	Total capacity		45-130% of outdoor unit capacity				
	Max. quantity		4	5	6	6	7
Compressor	Type		Rotary				
	Quantity		1				
Fan motor	Type		DC Motor				
	Quantity		1		1		
Refrigerant	Type		R410A				
	GWP		2088				
	Factory charging	kg	2.95	2.95	2.8	3.2	3.8
	CO_2 equivalence	kg	6.16	6.16	5.85	6.68	7.93
Pipe connections	Liquid pipe	mm(inch)	Φ9.53(3/8)	Φ9.53(3/8)	Φ9.53(3/8)	Φ9.53(3/8)	Φ9.53(3/8)
	Gas pipe	mm(inch)	Φ15.9(5/8)	Φ15.9(5/8)	Φ15.9(5/8)	Φ15.9(5/8)	Φ19.1(3/4)
Air flow rate		m3/h	5500	5500	6000	6000	6000
Sound pressure level		dB(A)	53	54	54	54	54
Net Dimensions (WxHxD)		mm	1075x966x396		900x1327x400		
Packing size (WxHxD)		mm	1120x1100x435		1030x1456x435		
Net weight		kg	75.5	75.5	95	99	100
Gross weight		kg	85.5	85.5	105	109	110
Operating temperature range		°C	Cooling: -15-43; Heating: -15-27				
PRICE			1485	1818	2357	2500	2914
MI POINTS			16	21	24	28	32

3 PHASE

MODEL			MDV-120W/DRN1	MDV-V140W/DRN1	MDV-V160W/DRN1	MDV180W/DRN1	MDV200W/DRN1	MDV224W/DRN1
HP			4.5	5	6	6.5	7	8
Power supply		V/Ph/Hz	380-415/3/50					
Recommended Fuse Size		A	25	25	25	25	25	25
Cooling	Capacity	kW	12.5	14	16	17.5	20	22.4
Heating	Capacity	kW	14	16	17.5	19	22	24.5
Connectable indoor unit	Total capacity		50-130% of outdoor unit capacity					
	Max. quantity		6	6	7	9	10	11
Compressor	Type		Rotary					
	Quantity		1					
Fan motor	Type		DC Motor					
	Quantity		2					
Refrigerant	Type		R410A					
	Factory charging	kg	2.8	3.2	3.8	4.5	4.8	6.2
	CO_2 equivalence	kg	5.85	6.68	7.93	9.4	10.2	12.95
Pipe connections	Liquid pipe	mm(inch)	Φ9.53(3/8)	Φ9.53(3/8)	Φ9.53(3/8)	Φ9.53(3/8)	Φ9.53(3/8)	Φ9.53(3/8)
	Gas pipe	mm(inch)	Φ15.9(5/8)	Φ15.9(5/8)	Φ19.1(3/4)	Φ19.1(3/4)	Φ19.1(3/4)	Φ19.1(3/4)
Air flow rate		m3/h	6000	6000	6000	6800	10999	10494
Sound pressure level		dB(A)	57	57	57	59	59	59
Net Dimensions (WxHxD)		mm	900 x 1327 x 400					
Packing size (WxHxD)		mm	1030 x 1456 x 435					
Net weight		kg	95	99	100	107	137	146.5
Gross weight		kg	106	109	110	118	153	162.5
Operating temperature range		°C	Cooling: -15-43; Heating: -15-27					
PRICE			2457	2600	2914	3124	3550	3990
MI POINTS			24	28	32	36	40	45

MODEL			MDV260W/DRN1	MDVT280W/DGN1	MDVT335W/DGN1	V400W/DRN1	V450W/DRN1
HP			9	10	12	14	16
Power supply		V/Ph/Hz	380-415/3/50				
Recommended Fuse Size		A	32	32	32	60	60
Cooling	Capacity	kW	26	28	33.5	40	45
Heating	Capacity	kW	28.5	31.5	37.5	45	50
Connectable indoor unit	Total capacity		50-130% of outdoor unit capacity				
	Max. quantity		12	16	20	14	15
Compressor	Type		DC Inverter				
	Quantity		1			2	
Fan motor	Type		DC Motor				
	Quantity		2				
Refrigerant	Type		R410A				
	Factory charging	kg	6.2	8	8	9	12
	CO_2 equivalence	kg	12.95	16.7	16.7	18.79	25.06
Pipe connections	Liquid pipe	mm(inch)	Φ9.53(3/8)	Φ9.53(3/8)	Φ12.7(1/2)	Φ12.7(1/2)	Φ12.7(1/2)
	Gas pipe	mm(inch)	Φ19.1(7/8)	Φ22.2(7/8)	Φ25.4(1 1/8)	Φ22.2(7/8)	Φ25.4 (1 1/8)
Air flow rate		m3/h	10494	11000	11300	16575	16575
Sound pressure level		dB(A)	60	59	61	62	62
Net Dimensions (WxHxD)		mm	1120x1558x528			1360x1650x540	1460x1650x540
Packing size (WxHxD)		mm	1270x1720x565			1450x1785x560	1550x1785x560
Net weight		kg	147	157		240	275
Gross weight		kg	163	173		260	290
Operating temperature range		°C	Cooling: -15-46; Heating: -15-24			Cooling: -5-48; Heating: -15-24	
PRICE			4042	5040	5460	6562	7318
MI POINTS			52	56	67	80	90

Nominal Conditions: Cooling: indoor 27°C DB, 19°C WB; outdoor 35°C DB, 24°C WB. Nominal Conditions: Heating: indoor 20°C DB, outdoor 7°C DB, 6°C WB
Sound Pressure is measured 1.0 in front of the unit and 1.5m above floor level at Nominal Conditions

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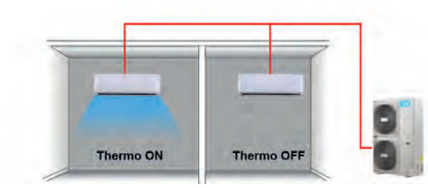
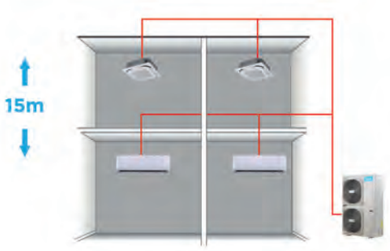
MINI VRF
FULL DC INVERTER



Ability to stop a single unit



Up to 20 indoors with a single outdoor

ADDITIONAL FEATURES

INDEPENDENT CONTROL

Each indoor can be controlled independently to provide optimum control to individual areas from a single outdoor unit.

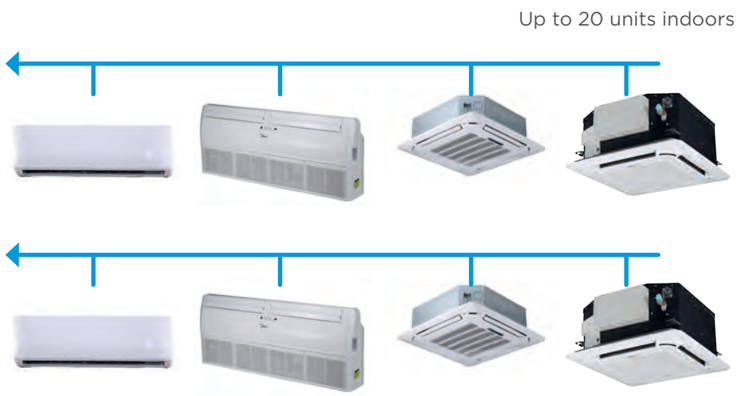
HEIGHT DIFFERENCE BETWEEN INDOORS UP TO 15M

With a large height difference available between indoors, use on multiple floors is possible.

UP TO 20 INDOORS WITH A SINGLE OUTDOOR

Up to 20 indoors can be connected at a ratio of up to 130% on a single outdoor unit using branch joints saving time, space and money.

Up to 20 units indoors



FEATURED PRODUCT WALL MOUNTED (9kW)

MODEL		INDOOR	MI2-90GDN1
		OUTDOOR	MDV-V105W/DN1
Nominal Cooling Capacity		kW	9
Nominal Heating Capacity		kW	10
Power Supply (Indoor)		V-PH-HZ	1-phase,220-240V,50Hz
Power Supply (outdoor)		V-PH-HZ	1-phase,220-240V,50Hz
Recommended Fuse Size (indoor)		A	5
Recommended Fuse Size (outdoor)		A	32
Interconnecting Wiring		No.	3 Core Screened 0.75mm²
Indoor Air flow Rate (High to Low)		m3/h	1421/1300/1125/1067/1005/934/867
Indoor Sound Pressure Level (High to Low)		dB(A)	48/46/45/43/41/40/38
Indoor Unit	Net Dimensions (WxHxD)	mm	1194x343x262
	Packing Dimensions	mm	1290x375x460
	Net/gross Weight	kg	17/22.4
Drainage Water Pipe diameter		mm	OD Φ 6
Outdoor Air flow Rate		m3/h	5000
Outdoor Sound Pressure Level		dB(A)	54
Outdoor Unit	Net Dimensions (WxHxD)	mm	1075Φ966Φ396
	Packing Dimensions	mm	1120Φ1100Φ435
	Net/gross Weight	kg	75.5 / 85.5
Refrigerant	Type		R410A
	GWP		2088
	Charged quantity	kg	2.95
Piping Connections	Liquid/Gas pipe	mm(inch)	Φ9.53/Φ15.9 (3/8/ 5/8)
	Max. pipe length	m	45
	Max. Pipe Height	m	20
Operating Temperature Range		°C	Cooling: -15-43; Heating: -15-27
PRICE			**2823**
MI POINTS			**21**

Nominal Conditions: Cooling: indoor 27°C DB, 19°C WB: outdoor 35°C DB, 2°C WB.
Nominal Conditions: Heating: indoor 20°C DB, outdoor 7°C DB, 6°C WB.
Sound Pressure is measured 1.0m below the air-outlet at Nominal Conditions

MDV-V105W/DN1

Φ5/8,Φ3/8

9kW High Wall

MI2-90GDN1

MINI VRF FULL DC INVERTER QUICK REFERENCE GUIDE

TYPE	COOLING kW	LIST PRICE			MI PRO CONTRIBUTION	
		TWIN	TRIPLE	QUAD	MI POINTS	REFRIGERANT PAYMENT
8 kW						
High Wall	8	3076	3372	3848	16	25
Compact Cassette		3340	4026	4712		
Cassette		3600	4116			
Ducted		3040	3516	4064		
Ceiling/Floor		3388				
10 kW						
High Wall	10	3461	3861	4301	21	25
Compact Cassette		3753	4473	5173		
Cassette		3985	4725	5293		
Ducted		3461	3939	4493		
Ceiling/Floor		3753	4545			
12 kW						
High Wall	12.5	4112	4694	5048	24	25
Compact Cassette			5090	5864		
Cassette		4572	5480	6200		
Ducted		4140	4640	5152		
Ceiling/Floor		4372	5162	5960		
14 kW						
High Wall	14	4255	4915	5191	28	25
Compact Cassette			5353	6007		
Cassette		4715	5701	6343		
Ducted		4283	4915	5295		
Ceiling/Floor		4515	5353	6103		
16 kW						
High Wall	15.5	4737	5329	5997	32	25
Compact Cassette			5767	6525		
Cassette		5193	6115	7045		
Ducted		5069	5329	5925		
Ceiling/Floor		5213	5767	6621		
18 kW						
High Wall	17.5	5035	5707	6207	36	25
Compact Cassette				6735		
Cassette		5491	6397	7255		
Ducted		5339	5749	6135		
Ceiling/Floor		5511	6097	6831		

Price includes for required Branch Joints & for 1 No. Controller
Many other combinations are available

TYPE	COOLING kW	HEATING kW	INTERCONNECTING CABLE	POWER SUPPLY			LIST PRICE			MI PRO CONTRIBUTION	
				Ph	In (A)	Out (A)	Twin	Triple	Quad	Mi Points	Refrigerant Payment
20 kW											
High Wall	20	22	3 Core Screened 0.75mm²	3	5	25		6,133	6,737	40	50
Compact Cassette									7,321		
Cassette							5,965	6,823	7,785		
Ducted							5,825	6,175	6,737		
Ceiling/Floor							6,349	6,523	7,321		
22.4 kW											
High Wall	22.4	24.5	3 Core Screened 0.75mm²	3	5	25		6,675	7,177	45	50
Cassette							6,465	7,359	8,225		
Ducted							6,265	7,173	7,177		
Ceiling/Floor							6,789	7,389	7,921		
26 kW											
High Wall	26	28.5	3 Core Screened 0.75mm²	3	5	32		6,875	7,469	52	50
Cassette							6,793	7,559	8,389		
Ducted							6,449	7,331	7,525		
Ceiling/Floor							6,921	7,589	7,989		
28 kW											
High Wall	28	37.5	3 Core Screened 0.75mm²	3	5	32		7,873	8,467	56	50
Cassette							7,791	8,557	9,387		
Ducted							7,447	8,329	8,523		
Ceiling/Floor							7,919	8,587	8,987		
33 kW											
High Wall	33.5	37.5	3 Core Screened 0.75mmÐ	3	5	32			9,251	67	50
Cassette								9,175	10,163		
Ducted							8,447	8,875	9,859		
Ceiling/Floor								9,661	10,203		
40 kW											
Cassette	40	45	3 Core Screened 0.75mm²	3	5	60		10,683	11,361	80	50
Ducted							11,017	10,167	11,081		
Ceiling/Floor								10,875	12,129		
45 kW											
Cassette	45	50	3 Core Screened 0.75mm²	3	5	60		11,439	12,237	90	50
Ducted							12,005	10,923	11,837		
Ceiling/Floor								11,631	12,885		

Price includes for required Branch Joints & for 1 No. Controller
Many other combinations are available

V6R HEAT RECOVERY


Indoor unit


Outdoor unit


IR Remote control


Remote control

Voice Control

Midea Air App

Multiple port MS boxes
(1/4/6/8/10/12 ports)

Up to 60 indoors from one single MS12 box

INDUSTRY'S FIRST 3 PIPE HEAT RECOVERY VRF WITH ZONAL LEAK DETECTION

Only isolates the MS zone that detects a refrigerant leak

- Isolation reduces the risk of system refrigerant loss whilst limiting any potential risk to room occupants
- Non effected zones will continue to operate safely
- Dry contacts to 3rd party controls can activate alarms and enable ventilation extract fans
- Time required to repair the cause of leak is significantly reduced

WIDE CAPACITY RANGE

Single module from 8HP to 18HP
Double module from 16HP to 36HP
Triple module from 24HP to 54HP.

FLEXIBLE AND EASY TO INSTALL

Each outdoor unit is lightweight with long piping lengths of up to a total of 1000m, improved height difference of 110m between outdoor and indoor levels and up to 30m height difference between indoor units.

FRESH AIR SUPPLY

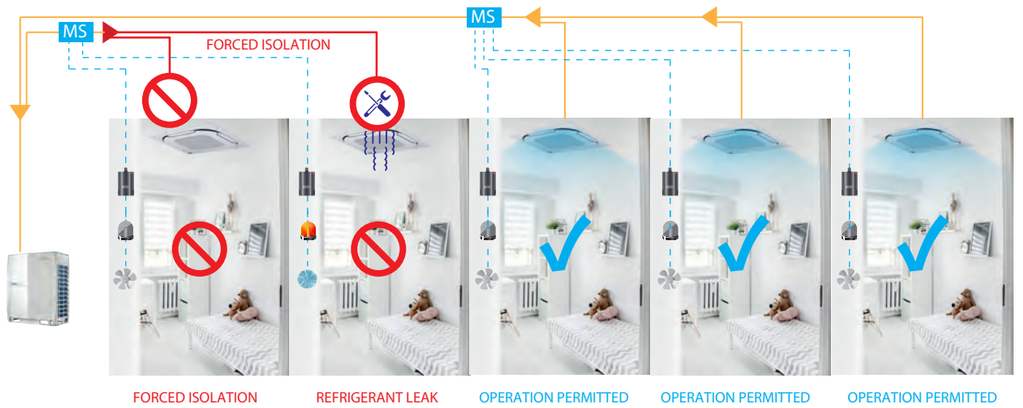
Offering a wide operating range in cooling mode, heating mode and simultaneous cooling and heating mode the V6R 3 can also be connected to a fresh air unit or HRV to supply continuous fresh air.

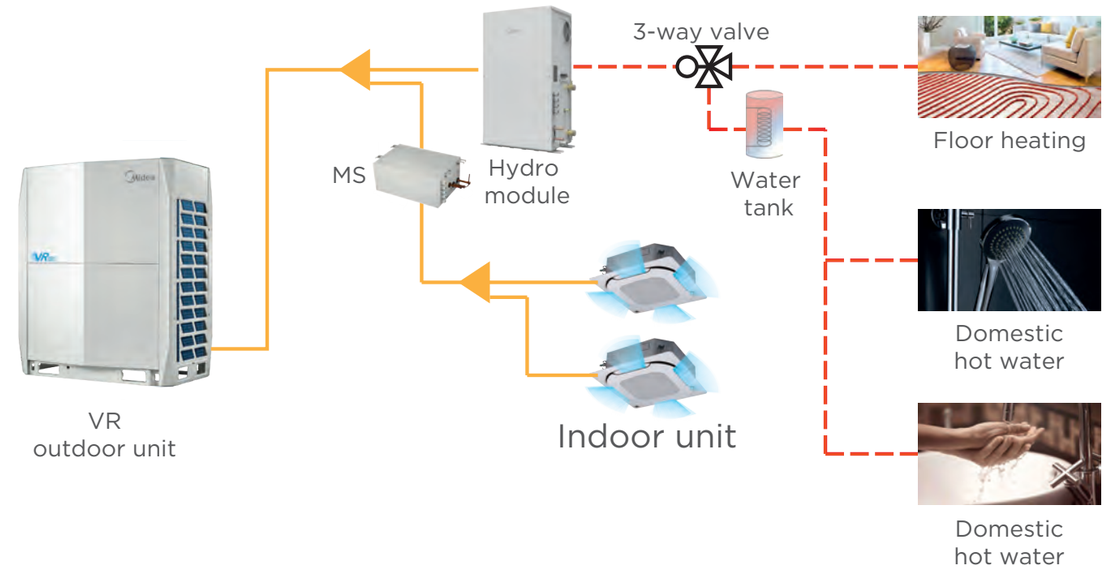
MULTIPLE PORT MS BOXES

Combined with the intelligent MS Box which adds further flexibility by offering multiple port options of 4,6,8,10 or 12 and up to 5 indoor units connected to one port - the V6R can meet any design brief or site restrictions.

DOMESTIC HOT WATER AND UNDERFLOOR HEATING

The V6R range is a multipurpose solution and can achieve space cooling/heating and domestic hot water (25°C to 80°C) simultaneously, by connecting to a Midea high temperature hydro module. The hot water can be used for domestic hot water and underfloor heating, improving room comfort.





V6R HEAT RECOVERY

MODEL			MV6-R252WV2RN1	MV6-R280WV2RN1	MV6-R335WV2RN1
HP			8	10	12
Power supply		V/Ph/Hz	380-415/3/50		
Recommended Fuse Size		A	20	25	25
Cooling	Capacity	kW	25.2	28	33.5
Heating	Capacity	kW	27	31.5	37.5
Connectable indoor unit	Total capacity		50-200% of outdoor unit capacity		
	Max. quantity		64		
Compressor	Type		DC inverter		
	Quantity		1		
Fan motor	Type		DC motor		
	Quantity		2		
	Static pressure	Pa	0,20,40,60,80(Selectable)		
Refrigerant	Type		R410A		
	GWP		2088		
	Factory charging	kg	8		
Pipe connections	Liquid pipe	mm(inch)	Φ12.7(1/2)		
	Low pressure gas pipe	mm(inch)	Φ28.6(1 1/8)		
	High pressure gas pipe	mm(inch)	Φ19.1(3/4)		
Air flow rate		m3/h	9000	9500	10000
Sound pressure level		dB(A)	58	58	60
Net Dimensions (WxHxD)		mm	990x1635x790		
Packing size (WxHxD)		mm	1090x1805x860		
Net weight		kg	232		
Gross weight		kg	248		
Operating temperature range		°C	Cooling: -15-52; Heating: -25-19; Simultaneous Cooling / Heating: -5-27 / -5-19		
PRICE			6842	7610	9386
MI POINTS			50	56	67

MODEL			MV6-R400WV2RN1	MV6-R450WV2RN1	MV6-R500WV2RN1
HP			14	16	18
Power supply		V/Ph/Hz	380-415/3/50		
Recommended Fuse Size		A	32	40	40
Cooling	Capacity	kW	40	45	50
Heating	Capacity	kW	45	50	56
Connectable indoor unit	Total capacity		50-200% of outdoor unit capacity		
	Max. quantity		64		
Compressor	Type		DC inverter		
	Quantity		1		
Fan motor	Type		DC motor		
	Quantity		2		
	Static pressure	Pa	0,20,40,60,80(Selectable)		
Refrigerant	Type		R410A		
	GWP		2088		
	Factory charging	kg	10		
Pipe connections	Liquid pipe	mm(inch)	Φ15.9(5/8)		
	Low pressure gas pipe	mm(inch)	Φ28.6(1 1/8)		
	High pressure gas pipe	mm(inch)	Φ22.2(7/8)		
Air flow rate		m3/h	14000	14900	15800
Sound pressure level		dB(A)	61	64	65
Net Dimensions (WxHxD)		mm	1340x1635x825		
Packing size (WxHxD)		mm	1405x1805x910		
Net weight		kg	300	300	300
Gross weight		kg	325	325	325
Operating temperature range		°C	Cooling: -15-52; Heating: -25-19; Simultaneous Cooling / Heating: -5-27 / -5-19		
PRICE			10398	11368	12800
MI POINTS			80	90	100

V6R HEAT RECOVERY

MODEL			MV6-R560WV2RN1	MV6-R615WV2RN1	MV6-R680WV2RN1	MV6-R735WV2RN1	MV6-R785WV2RN1	MV6-R835WV2RN1
HP			20	22	24	26	28	30
COMBINATION			10HP+10HP	10HP+12HP	10HP+14HP	12HP+14HP	12HP+16HP	12HP+18HP
Power supply		V/Ph/Hz	380-415/3/50					
Recommended Fuse Size		A	25+25	25+25	25+32	25+32	25+40	25+40
Cooling	Capacity	kW	56	61.5	68	73.5	78.5	83.5
Heating	Capacity	kW	63	69	76.5	82.5	87.5	93.5
Connectable indoor unit	Total capacity		50-200% of outdoor unit capacity					
	Max. quantity		64					
Compressor	Type		DC inverter					
	Quantity		2					
Fan motor	Type		DC motor					
	Quantity		2		3			
	Static pressure	Pa	0,20,40,60,80(Selectable)					
Refrigerant	Type		R410A					
	GWP		2088					
	Factory charging	kg	16		18			
Pipe connections	Liquid pipe	mm(inch)	Φ15.9(5/8)			Φ19.1(3/4)		
	Low pressure gas pipe	mm(inch)	Φ28.6(1 1/8)		Φ34.9 (1 3/8)			
	High pressure gas pipe	mm(inch)	Φ28.6(1 1/8)					
Air flow rate		m3/h	19000	19500	23500	24000	24900	25800
Sound pressure level		dB(A)	61	62	63	64	65	66
Net Dimensions (WxHxD)		mm	(990x1635x790)x2		9x1635x790+1340x1635x825	990x1635x790+1340x1635x825		
Packing size (WxHxD)		mm	(1090x1805x860)x2		1405x1805x910+1405x1805x910	1090x1805x860+1405x1805x910		
Net weight		kg	232x2		232+300	232+300		
Gross weight		kg	248x2		248+325	248+325		
Operating temperature range		°C	Cooling: -15-52; Heating: -25-19; Simultaneous Cooling / Heating: -5-27 / -5-19					
PRICE			**15220**	**16996**	**18008**	**19784**	**20754**	**22186**
MI POINTS			**112**	**95**	**136**	**147**	**157**	**167**

MODEL			MV6-R900WV2RN1	MV6-R950WV2RN1	MV6-R1000WV2RN1	MV6-R1070WV2RN1	MV6-R1120WV2RN1	MV6-R1185WV2RN1
HP			32	34	36	38	40	42
COMBINATION			16HP+16HP	16HP+18HP	18HP+18HP	12HP+12HP+14HP	12HP+12HP+16HP	12HP+14HP+16HP
Power supply		V/Ph/Hz	380-415/3/50					
Recommended Fuse Size		A	40+40	40+40	40+40	25+25+32	25+25+40	25+32+40
Cooling	Capacity	kW	90	95	100	107	112	118.5
Heating	Capacity	kW	100	106	112	120	125	132.5
Connectable indoor unit	Total capacity		50-200% of outdoor unit capacity					
	Max. quantity		64					
Compressor	Type		DC inverter					
	Quantity		2			3		
Fan motor	Type		DC motor					
	Quantity		4					
	Static pressure	Pa	0,20,40,60,80(Selectable)					
Refrigerant	Type		R410A					
	GWP		2088					
	Factory charging	kg	20			26		28
Pipe connections	Liquid pipe	mm(inch)	Φ19.1(3/4)					
	Low pressure gas pipe	mm(inch)	Φ34.9 (1 3/8)			Φ41.3 (1 5/8)		
	High pressure gas pipe	mm(inch)	Φ28.6(1 1/8)			Φ34.9 (1 3/8)		
Air flow rate		m3/h	29800	30700	31600	34000	34900	38900
Sound pressure level		dB(A)	67	68	68	65	67	67
Net Dimensions (WxHxD)		mm	(1340x1635x825)x2			(990x1635x790)x2+1340x1635x825		990x1635x790+(1340x1635x825)x2
Packing size (WxHxD)		mm	(1405x1805x910)x2			(1090x1805x860)x2+1405x1805x910		1090x1805x860+(1405x1805x910)x2
Net weight		kg	300x2			232x2+300		232+300x2
Gross weight		kg	325x2			248x2+325		248+325x2
Operating temperature range		°C	Cooling: -15-52; Heating: -25-19; Simultaneous Cooling / Heating: -5-27 / -5-19					
PRICE			**22736**	**24168**	**25600**	**29170**	**30140**	**31152**
MI POINTS			**180**	**190**	**200**	**214**	**224**	**237**

V6R HEAT RECOVERY

MODEL			MV6-R1235WV2RN1	MV6-R1300WV2RN1	MV6-R1350WV2RN1	MV6-R1400WV2RN1	MV6-R1450WV2RN1	MV6-R1500WV2RN1
HP			44	46	48	50	52	54
COMBINATION			12HP+16HP+16HP	14HP+16HP+16HP	16HP+16HP+16HP	16HP+16HP+18HP	16HP+18HP+18HP	18HP+18HP+18HP
Power supply		V/Ph/Hz	380-415/3/50					
Recommended Fuse Size		A	25+40+40	32+40+40	40+40+40	40+40+40	40+40+40	40+40+40
Cooling	Capacity	kW	123.5	130	135	140	145	150
Heating	Capacity	kW	137.5	145	150	156	162	168
Connectable indoor unit	Total capacity		50-200% of outdoor unit capacity					
	Max. quantity		64					
Compressor	Type		DC inverter					
	Quantity		3					
Fan motor	Type		DC motor					
	Quantity		5	6				
	Static pressure	Pa	0,20,40,60,80(Selectable)					
Refrigerant	Type		R410A					
	GWP		2088					
	Factory charging	kg	28	30				
Pipe connections	Liquid pipe	mm(inch)	Φ19.1(3/4)					
	Low pressure gas pipe	mm(inch)	Φ41.3 (1 5/8)					
	High pressure gas pipe	mm(inch)	Φ34.9 (1 3/8)					
Air flow rate		m3/h	39800	43800	44700	45600	46500	47400
Sound pressure level		dB(A)	68	68	69	69	69	70
Net Dimensions (WxHxD)		mm	990x1635x790+(1340x1635x825)x2	(1340x1635x825)x3				
Packing size (WxHxD)		mm	1090x1805x860+(1405x1805x910)x2	(1405x1805x910)x3				
Net weight		kg	232+300x2	300x3				
Gross weight		kg	248+325x2	325x3				
Operating temperature range		°C	Cooling: -15-52; Heating: -25-19; Simultaneous Cooling / Heating: -5-27 / -5-19					
PRICE			32112	33114	34104	35536	36968	38400
MI POINTS			247	260	270	280	290	150

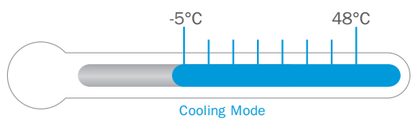
VRF V6
HEAT PUMP SERIES

8/10/12HP
(with single fan)

14/16/18HP
(with single fan)

20/22HP
(with dual fans)

24/26/28/30/32HP
(with dual fans)



Wide operation range

WIDE APPLICATION RANGE

WIDE CAPACITY RANGE

Starting at 8HP, capacity increases in 2HP increments up to 32HP, which is the world's largest single VRF unit capacity.

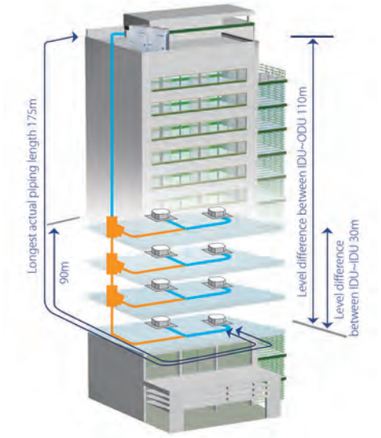
WIDE OPERATION RANGE

The V6-i VRF can operate stably in a wide ambient temperature range: from -5°C to 48°C in cooling mode and from -23°C to 24°C in heating mode.

LONG PIPING CAPABILITY

- Total piping length: 1000m
- Longest piping length – actual (equivalent): 175m (200m)
- Longest piping length after first branch: 40/90*m
- Level difference between IDUs and ODU – ODU above (below): 90m (110m)
- Level difference between IDUs: 30m

*The longest length after first branch is 40m as standard but can be extended to up to 90m under certain conditions. Please contact your local Midea dealer for further information.



Long piping capability

HIGH RELIABILITY

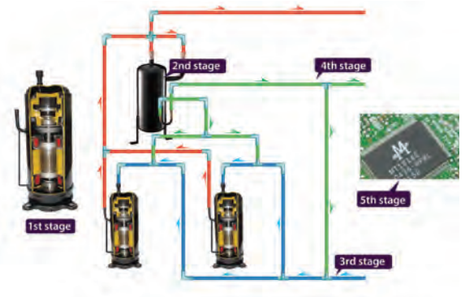
PRECISE OIL CONTROL TECHNOLOGY

Four stages of oil control technology ensure all outdoor compressor oil is always kept at a safe level, eliminating any compressor oil shortage problems.

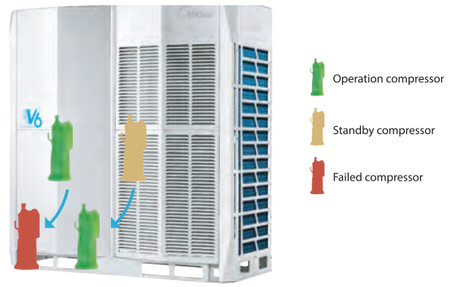
- Compressor internal oil separation.
- High efficiency centrifugal oil separator (with separation efficiency of up to 99%) ensures that oil is separated from the discharge gas and returned to the compressors in a timely fashion.
- Oil balance pipes between compressors ensure even oil distribution to keep compressors running normally.
- Auto oil return program monitors the running time and system status to ensure reliable oil return.

BACK UP OPERATION

In units with two compressors, if one compressor fails, the other compressor can run on its own for up to 4 days, allowing time for maintenance or repair whilst maintaining comfort.



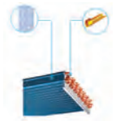
Precise oil control technology



Back up operation

VRF V6
HEAT PUMP SERIES

FAN MOTOR
Standard products:
72h of neutral salt mist
Heavy anti-corrosion products:
240h of neutral salt mist

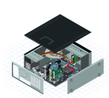


HEAT EXCHANGER ALUMINIUM FOIL
Standard products:
72h of neutral salt mist
Heavy anti-corrosion products:
1000h of neutral salt mist
140h of acid salt mist

HEAT EXCHANGER COPPER PIPE
Standard products:
24h of neutral salt mist
Heavy anti-corrosion products:
120h of neutral salt mist

SCREWS / BOLTS / GASKETS
Standard products:
300h of neutral salt mist
Heavy anti-corrosion products:
720h of neutral salt mist

ELECTRIC CONTROL BOX CASE
Standard products:
96h of neutral salt mist
Heavy anti-corrosion products:
240h of neutral salt mist



PAINTED SHEET METAL
Standard products:
500h of neutral salt mist
1000h of moisture and heating test
500h of light aging test

Heavy anti-corrosion products:
1000h of neutral salt mist
2000h of moisture and heating test
720h of light aging test

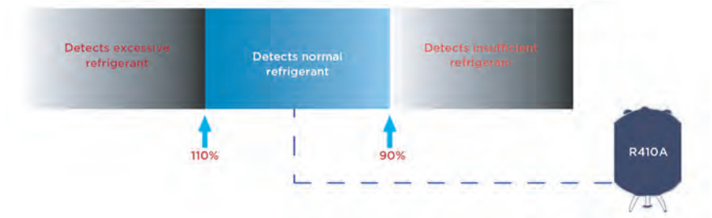
HIGH RELIABILITY

REFRIGERANT COOLING PCB

The V6-i VRF uses refrigerant cooling technology to cool the electric control box. It decreases the average temperature of electrical control components by about 8 degrees, guaranteeing the stable and safe running of the control system.

REAL-TIME REFRIGERANT AMOUNT MONITORING

The temperature and pressure of refrigerant can be real-time monitored by the outdoor unit. When the level of refrigerant is too low or too high, this can cause damage to the unit and poor performance. V6 outdoor unit can detect excessive or insufficient amounts of refrigerant, to ensure consistent performance.



ANTI-CORROSION PROTECTION

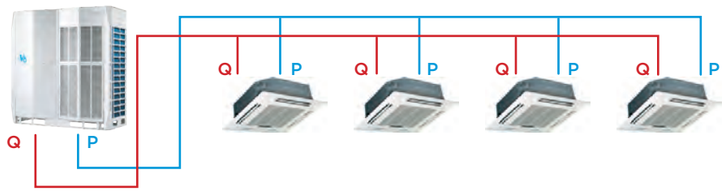
Outdoor units are given anti-corrosion treatment for non-extreme conditions as standard and can also be customised with heavy anti-corrosion treatment on main components for surface protection against corrosive air, acid rain and saline air (for installations in coastal regions) to extend overall useful life. The integrity of the anti-corrosion treatment is ensured by subjecting major components and parts to salt mist testing, moisture and heating testing and light aging testing.

EASY INSTALLATION AND SERVICE

NON-POLARIZED COMMUNICATION WIRING*

Only one chain of 2-core non-polarized shielded communication wiring required for indoor and outdoor unit communication.

*In installations where relatively strong electromagnetic fields are present, 3-core shielded wiring should be used in order to prevent interference.



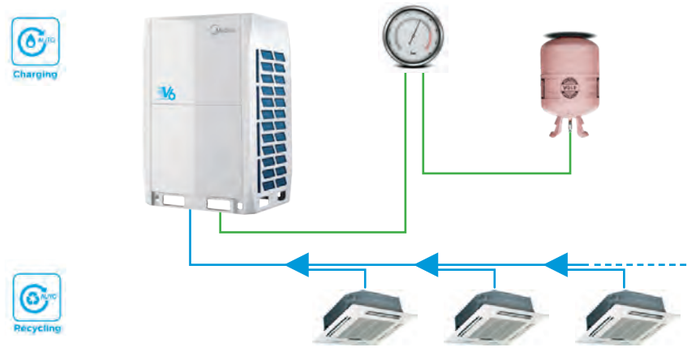
AUTO ADDRESSING

Outdoor units can distribute addresses to indoor units automatically. Remote and wired controllers can be used to query or modify each indoor units address.

AUTOMATIC REFRIGERANT CHARGING/RECYCLING FUNCTION*

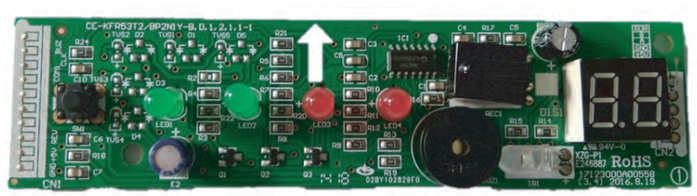
Automatic refrigerant charging and recycling make installation and servicing easier and more efficient.

*This function is available as a customization option.

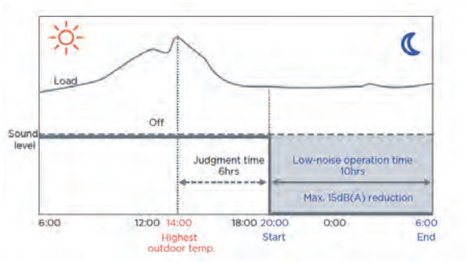


MULTIFUNCTIONAL PCB

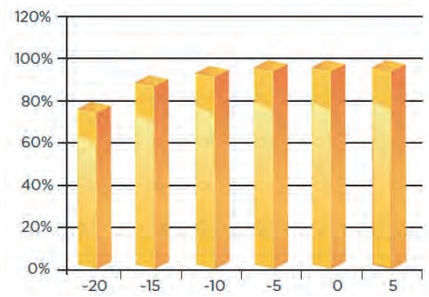
An optional multifunctional small PCB can be installed on the unit's side columns, enabling installation and service engineers to activate auto-commissioning or check the operating status without removing the front panel. It can also perform automatic data backup of the last 30 minutes' operating record.



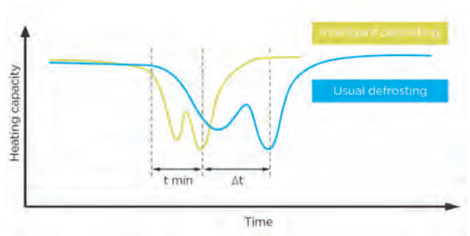
VRF V6
HEAT PUMP SERIES



Night silent mode



Enhanced heating capacity



Intelligent defrosting technology

ENHANCES COMFORT

NIGHT SILENT MODE

The night silent mode feature, which is easily configured on the outdoor unit's PCB, includes various scheduling options that can be used to reduce noise levels at times when low noise operation is required.

ENHANCED HEATING CAPACITY

Heating capacity is 100% of rated capacity at ambient temperatures as low as -5°C and 90% of rated capacity at -15°C.

INTELLIGENT DEFROSTING TECHNOLOGY

The intelligent defrosting program calculates the time required for defrosting according to the actual system status, eliminating heat losses from unnecessary defrosting. A specialized defrosting valve reduces time required for defrosting to as little as four minutes.

8/10/12HP
(with single fan)

14/16/18HP
(with single fan)

20/22HP
(with dual fans)

24/26/28/30/32HP
(with dual fans)

VRF V6 HEAT PUMP SERIES

MODEL			MV6-i252WV2GN1-E	MV6-i280WV2GN1-E	MV6-i335WV2GN1-E
CAPACITY		**HP**	**8**	**10**	**12**
Power Supply			380-415/3/50		
Recommended Fuse Size		A	25	32	32
Cooling	Capacity	kW	25.2	28	33.5
Heating	Capacity	kW	25.2	28	33.5
Connectable indoor unit	Total capacity		50-130% of outdoor unit capacity		
	Max. quantity		13	16	20
Compressor	Type		DC Inverter		
	Quantity		1		
Fan motor	Type		DC Motor		
	Quantity		1		
Refrigerant	Type		R410A		
	Factory charging	kg	11		
Pipe Connections	Liquid Pipe	mm(inch)	Φ12.7 (1/2)		Φ15.9 (5/8)
	Gas Pipe	mm(inch)	Φ28.6 (1 1/8)		Φ28.6 (1 1/8)
Air flow Rate		m3/h	11000		
Sound Pressure Level		dB(A)	55		57
Net Dimensions (WxHxD)		mm	990x1635x790		
Packed Dimensions (WxHxD)		mm	1090x1805Ð860		
Net Weight		kg	227		
Gross Weight		kg	242		
Operating Temperature Range		°C	Cooling: -5 to 48; Heating: -23 to 24		
PRICE			**6300**	**6708**	**8134**
MI POINTS			**50**	**56**	**67**

MODEL			MV6-i400WV2GN1-E	MV6-i450W V2GN1-E	MV6-i500W V2GN1-E
CAPACITY		**HP**	**14**	**16**	**18**
Power Supply			380-415/3/50		
Recommended Fuse Size		A	40	40	45
Cooling	Capacity	kW	40	45	50
Heating	Capacity	kW	40	45	50
Connectable indoor unit	Total capacity		50-130% of outdoor unit capacity		
	Max. quantity		23	26	29
Compressor	Type		DC Inverter		
	Quantity		1		
Fan motor	Type		DC Motor		
	Quantity		1		
Refrigerant	Type		R410A		
	Factory charging	kg	13		
Pipe Connections	Liquid Pipe	mm(inch)	Φ15.9 (5/8)		Φ19.1 (3/4)
	Gas Pipe	mm(inch)	Φ31.8 (1 1/4)		
Air flow Rate		m3/h	13000		
Sound Pressure Level		dB(A)	59		62
Net Dimensions (WxHxD)		mm	1340x1635x850		
Packed Dimensions (WxHxD)		mm	1405x1805x910		
Net Weight		kg	277		295
Gross Weight		kg	304		322
Operating Temperature Range		°C	Cooling: -5 to 48; Heating: -23 to 24		
PRICE			**9588**	**10670**	**11356**
MI POINTS			**80**	**90**	**100**

Nominal Conditions: Cooling: indoor 27°C DB, 19°C WB; outdoor 35°C DB, 24°C WB.
Nominal Conditions: Heating: indoor 20°C DB, outdoor 7°C DB, 6°C WB.
Sound Pressure is measured 1.0 in front of the unit and 1.5m above floor le el at nominal conditions.

MODEL			MV6-i560WV2GN1-E	MV6-i615WV2GN1-E
CAPACITY		**HP**	**20**	**22**
Power Supply			380-415/3/50	
Recommended Fuse Size		A	45	50
Cooling	Capacity	kW	56	61.5
Heating	Capacity	kW	56	61.5
Connectable indoor unit	Total capacity		50-130% of outdoor unit capacity	
	Max. quantity		33	36
Compressor	Type		DC Inverter	
	Quantity		2	
Fan motor	Type		DC Motor	
	Quantity		2	
Refrigerant	Type		R410A	
	Factory charging	kg	17	
Pipe Connections	Liquid Pipe	mm(inch)	Φ19.1 (3/4)	
	Gas Pipe	mm(inch)	Φ31.8 (1 1/4)	
Air flow Rate		m3/h	17000	
Sound Pressure Level		dB(A)	63	
Net Dimensions (WxHxD)		mm	1340x1635x825	
Packed Dimensions (WxHxD)		mm	1405x1805x910	
Net Weight		kg	344	
Gross Weight		kg	364	
Operating Temperature Range		°C	Cooling: -5 to 48; Heating: -23 to 24	
PRICE			**12716**	**13918**
MI POINTS			**112**	**123**

MODEL			MV6-I670WV2GN1-E	MV6-i730WV2GN1-E	MV6-i785WV2GN1-E	MV6-i850WV2GN1-E	MV6-i900WV2GN1-E
CAPACITY		**HP**	**24**	**26**	**28**	**30**	**32**
Power Supply			3-phase, 380-415V,50/60Hz				
Recommended Fuse Size		A	50	60	60	70	70
Cooling	Capacity	kW	67	73	78.5	85	90
Heating	Capacity	kW	67	73	78.5	85	90
Connectable indoor unit	Total capacity		50-130% of outdoor unit capacity				
	Max. quantity		39	43	46	50	53
Compressor	Type		DC inverter				
	Quantity		2				
Fan motor	Type		DC Motor				
	Quantity		2				
Refrigerant	Type		R410A				
	Factory charging	kg	22			25	
Pipe Connections	Liquid Pipe	mm(inch)	Φ19.1 (3/4)	Φ22.2 (7/8)			
	Gas Pipe	mm(inch)	Φ31.8 (1 1/4)			Φ38.1 (1 1/2)	
Air flow Rate		m3/h	25000			24000	
Sound Pressure Level		dB(A)	64	65			
Net Dimensions (WxHxD)		mm	1730x1830x850				
Packed Dimensions (WxHxD)		mm	1800x2000Ð910				
Net Weight		kg	407	429		475	
Gross Weight		kg	430	452		507	
Operating Temperature Range		°C	Cooling: -5 to 48; Heating: -23 to 24				
PRICE			**14970**	**16472**	**18384**	**19490**	**20430**
MI POINTS			**134**	**146**	**157**	**170**	**180**

Nominal Conditions: Cooling: indoor 27°C DB, 19°C WB; outdoor 35°C DB, 24°C WB.
Nominal Conditions: Heating: indoor 20°C DB, outdoor 7°C DB, 6°C WB.
Sound Pressure is measured 1.0 in front of the unit and 1.5m above floor le el at nominal conditions.

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VRF CONTROLLERS

KJR29B (Touch key)

WIDE RANGE OF FUNCTIONS

A user friendly selection of wired controllers, with functions to suit any environmental requirements. Clear LED display screens, 24 hour or weekly timers, auto functions and error reporting are just some of the functions available in the Midea wired controller range.

HARD WIRED CONTROLLERS

MODEL	KJR29B	WDC-86E/KD	WDC-120G/WK
Fan speed control	✓	✓	✓
Mode selection	✓	✓	✓
Auto mode	✓	✗	✓
Eco mode	✗	✗	✓
Keyboard lock	✓	✗	✓
Swing function	✓	✗	✓
Background light	✓	✓	✓
24 hour timer	✓	✗	✓
Clock display	✓	✗	✓
Address setting	✓	✗	✓
Remote signal receiver	✓	✗	✓
Clean filter reminder	✓	✗	✓
Follow Me function	✓	✗	✓
Silent mode	✓	✓	✓
One-key 26°C	✗	✓	✓
Indoor temperature display	✗	✓	✓
°F/°C display	✓	✗	✓
Weekly schedule timer	✗	✗	✓
Delay function	✗	✗	✓
Auto restart	✓	✓	✓
Error reporting	✗	✗	✓
Dimensions (HxWxD)mm	120x120x20	86x86x18	120x120x20
Power Supply	DC 5V (Supplied by indoor unit)		DC 18V
PRICE	**100**	**84**	**145**

TOUCH SCREEN CENTRALISED CONTROLLERS AND BMS INTERFACE

The centralised controller is a multi-functional device that can control up to 64 units within a maximum connection length of 1,200m. Users can use group control or individual control to set the temperature independently for each unit.

MODEL	CCM-180A/WS	CCM-270B/WS
Max. number of indoor units	64	384
Max number of systems	8	48
Mode selection	✓	✓
Temperature setting	✓	✓
7-speed fan control	✓	✓
Outdoor unit Eco mode setting	✓	✓
Schedule management	✓	✓
2 permission levels	✓	✓
Extension function	✓	✗
Daylight saving time	✓	✗
Unit model recognition	✓	✓
Electricity charge distribution	✗	✓
Visual schematic	✗	✓
Energy management	✓	✓
Group management	✓	✓
Error check function	✓	✓
System parameter querying	✓	✗
LAN access	✗	✓
Dimensions (HxWxD)mm	181x124x30	187x276x34
Power Supply	12V	24V AC
PRICE	**1200**	**4000**

TOUCH SCREEN CENTRAL CONTROLLER

The CCM-180A/WS (6.2") & CCM-270B/WS (10.1") offers control of up to 384 indoors units simultaneously.

WIRELESS REMOTE CONTROLLERS

MODEL	RM12D
Mode selection	✓
Temperature setting	✓
Fan speed control	✓
Keyboard lock	✓
Eco mode	✓
Swing function	✓
Air direction control	✓
24 hour timer	✓
Night silent mode	✓
Address setting	✓
Follow Me function	✓
Display shut-off	✓
Background light	✓
Dimensions (HxWxD)mm	170x48x20
Power Supply	1.5V(LR03/AAA)x2
PRICE	**70**

INTELLIGENT WI-FI CONTROLLER

The CCM-15 offers long distance VRF control via the internet. VRF can be controlled via smartphone, tablet, laptop or desktop PC easily through this web controller.

MODEL	CCM-15
Max Indoors	64
Description	Date Converter
PRICE	**750**

BMS GATEWAY

BMS Gateways available via LonWorks, ModBUS and BACnet interfaces.

MODEL	DESCRIPTION	MAX INDOORS	PRICE
GW-KNX	KNX Gateway	1	**420**
GW-LON	LonWorks Gateway	64	**4600**
GW-MOD	Modbus Gateway	64	**4600**
IMMP-BAC	BACnet Gateway	64	**4600**

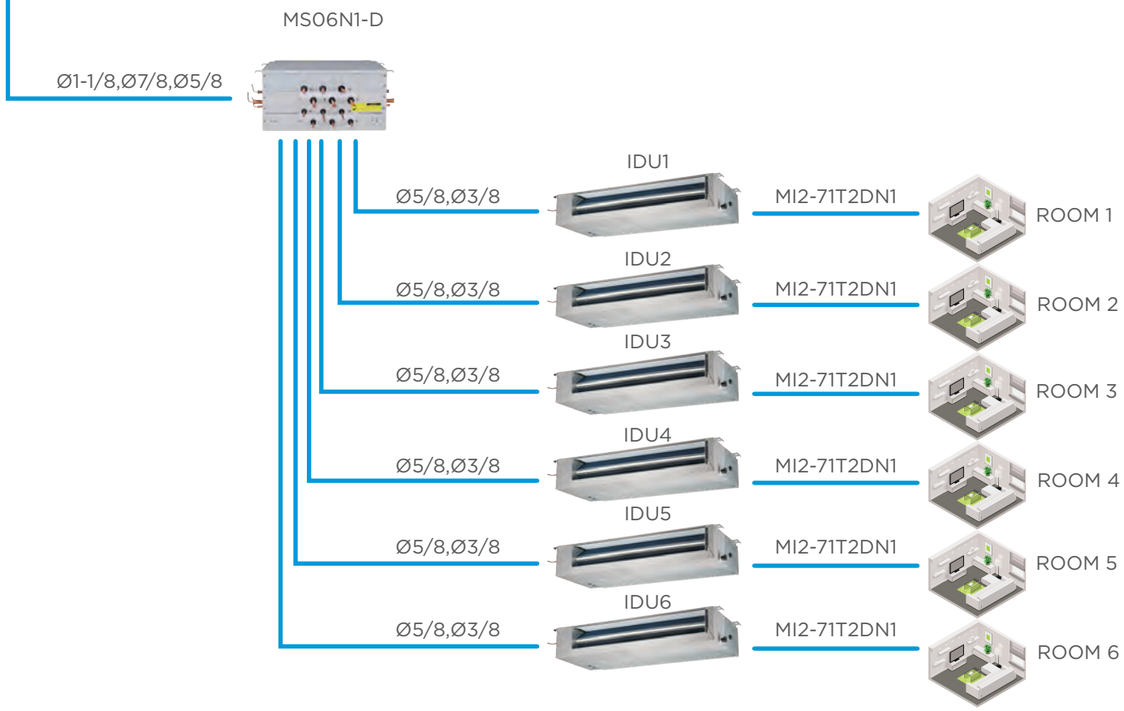
VRF HEAT PUMP BRANCH JOINTS

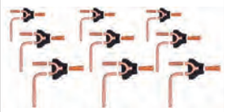
MODEL	APPEARANCE	MODEL	PACKED DIMENSIONS mm	NET/ GROSS WEIGHT kg	TWO PIPE REFRIGERANT SYSTEM BRANCH JOINTS	PRICE
BRANCH JOINTS FOR INDOOR UNIT		FQZHN-01D	290x105x100	0.3/0.4	A*<16.6kW	**46**
		FQZHN-02D	290x105x100	0.4/0.6	16.6≤A*<33kW	**62**
		FQZHN-03D	310x130x125	0.6/0.9	33kW≤A*<66kW	**98**
		FQZHN-04D	350x180x170	1.1/1.5	66kW≤A*<92kW	**146**
		FQZHN-05D	365x195x215	1.4/1.9	92kW≤A*	**166**

MV6-R400WV2GN1

VRF SELECTION SOFTWARE

Please ask us about supporting your VRF design with a complete application package. This will include equipment performance data, refrigerant pipework schematic (with material parts list), power requirements and wiring diagrams.



MODEL	APPEARANCE	MODEL	PACKED DIMENSIONS mm	NET / GROSS Weight kg	TWO PIPE REFRIGERANT SYSTEM BRANCH JOINTS	PRICE
BRANCH JOINTS FOR OUTDOOR UNITS		FQZHW-02SB1	272x167x232	1.6/2.2	Connecting two outdoor units	**152**
		FQZHW-03SB1	472x157x312	3.9/5.0	Connecting three outdoor units	**390**
		FQZHW-04SB1	745x160x335	6.2/7.5	Connecting four outdoor units	**628**
BRANCH JOINTS FOR INDOOR UNIT		FQZHN-01SB1	257x127x107	0.6/0.8	A*<16.6kW	**62**
		FQZHN-02SB1	287x137x107	0.7/0.9	16.6≤A*<33kW	**74**
		FQZHN-03SB1	297x167x177	1.1/1.4	33kW≤A*<66kW	**110**
		FQZHN-04SB1	372x197x187	1.6/2.3	66kW≤A*<92kW	**168**
		FQZHN-05SB1	432x222x 227	2.2/3.3	92kW≤A*	**248**

* A = Total capacity of indoor units connected to this branch joint

VRF MODE SWITCH (MS) BOX

INNOVATIVE MODE SWITCH (MS) BOX

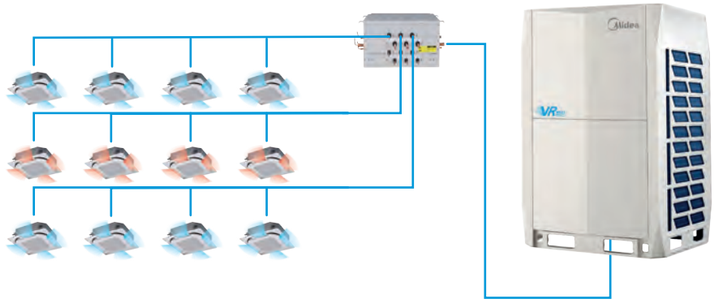
Simultaneous cooling and heating achieved for new designed MS (Mode Switch) box

- Low noise operation for precise control of multiple solenoid valves
- Max. 24 indoor units connect to a MS box
- Max. 56kW indoor units connect to a MS box

MS01/N1-D1 MS04/N1-D MS06/N1-D

MS08/N1-D MS10/N1-D MS12/N1-D

Indoor units connected to a same MS can realise simultaneous cooling and heating operation.



With 11 types and more than 100 models, Midea VRF indoor units can meet a variety of customer requirements in a wide range of locations including shopping centres, hospitals, office buildings, hotels and airports.

MODEL				MS01/N1-D1	MS04/N1-D	MS06/N1-D	MS08/N1-D	MS10/N1-D	MS12/N1-D
Power Supply				1-phase,220-240V,50Hz					
Recommended Fuse Size			A	5	5	5	5	5	5
Max. number of indoor unit groups				1	4	6	8	10	12
Max. number of units per group				8	5	5	5	5	5
Max. number of downstream indoor units				8	20	30	40	47	47
Max. capacity of each group of indoor units			kW	32	16	16	16	16	16
Max. total capacity of all downstream indoor units			kW	32	49	63	85	85	85
Piping Connections	Connected to outdoor unit	Liquid Pipe	mm	Φ9.53 / 12.7	Φ9.53 / 12.7 /15.9 / 19.05	Φ9.53 / 12.7 /15.9 / 19.05	Φ 12.7 /15.9 / 19.05/ 22.2	Φ 12.7 /15.9 / 19.05/ 22.2	Φ12.7 /15.9 / 19.05/ 22.2
		Liquid Pipe	inch	Φ3/8 / 1/2	Φ3/8 / 1/2 / 5/8 / 3/4	Φ3/8 / 1/2 / 5/8 / 3/4	Φ 1/2 / 5/8 / 3/4 / 7/8	Φ 1/2 / 5/8 / 3/4 / 7/8	Φ 1/2 / 5/8 / 3/4 / 7/8
		Low Pressure Gas Pipe	mm	Φ15.9 / 19.1 / 22.2	Φ 19.1 / 22.2 / 28.6	Φ 19.1 / 22.2 / 28.6	Φ22.2 / 28.6 / 34.9	Φ22.2 / 28.6 / 34.9	Φ22.2 / 28.6 / 34.9
		Low Pressure Gas Pipe	inch	Φ5/8 / 3/4 / 7/8	Φ3/4 / 7/8 / 1 1/8	Φ3/4 / 7/8 / 1 1/8	Φ7/8 / 1 1/8 / 1 3/8	Φ7/8 / 1 1/8 / 1 3/8	Φ7/8 / 1 1/8 / 1 3/8
		High Pressure Gas Pipe	mm	Φ12.7/ 15.9/ 19.01	Φ15.9/19.1/22.2/28.6	Φ15.9/19.1/22.2/28.6	Φ19.1/22.2/28.6	Φ19.1/22.2/28.6	Φ19.1/22.2/28.6
		High Pressure Gas Pipe	inch	Φ1/2 / 5/8 / 3/4	Φ 5/8 / 3/4 / 7/8 / 1 1/8	Φ 5/8 / 3/4 / 7/8 / 1 1/8	Φ3/4 / 7/8 / 1 1/8	Φ3/4 / 7/8 / 1 1/8	Φ3/4 / 7/8 / 1 1/8
	Connected to indoor unit	Liquid Pipe	mm	Φ6.35/9.53	Φ6.35/9.53	Φ6.35/9.53	Φ6.35/9.53	Φ6.35/9.53	Φ6.35/9.53
		Liquid Pipe	inch	Φ1/4 / 3/8	Φ1/4 / 3/8	Φ1/4 / 3/8	Φ1/4 / 3/8	Φ1/4 / 3/8	Φ1/4 / 3/8
		Gas Pipe	mm	Φ12.7/Φ15.9	Φ12.7/Φ15.9	Φ12.7/Φ15.9	Φ12.7/Φ15.9	Φ12.7/Φ15.9	Φ12.7/Φ15.9
		Gas Pipe	inch	Φ1/2 /5/8	Φ1/2 /5/8	Φ1/2 /5/8	Φ1/2 /5/8	Φ1/2 /5/8	Φ1/2 /5/8
Net Dimensions (WxHxD)			mm	440x195x296	668x250x574	668x250x574	974x250x574	974x250x574	974x250x574
Packing size (WxHxD)			mm	740x275x405	1020x390x850	1020x390x850	1320x390x850	1320x390x850	1320x390x850
Net Weight			kg	10.5	33	36	48	51	54
Gross Weight			kg	14	58	61	79	82	85
PRICE				**686**	**1824**	**2560**	**3300**	**3850**	**4350**

VRF INDOORS

With 11 types and more than 100 models, Midea VRF indoor units can meet a variety of customer requirements in a wide range of locations including shopping centres, hospitals, office buildings, hotels and airports.

VRF INDOORS

WALL MOUNTED

ROUNDFLOW 4 WAY CASSETTE

ROUNDFLOW COMPACT CASSETTE

CEILING AND FLOOR

FLOOR STANDING

FRESH AIR PROCESSING UNIT

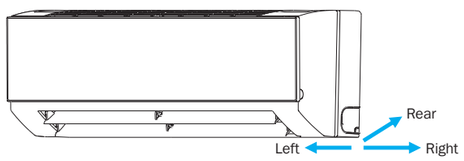
MEDIUM STATIC PRESSURE DUCT

HIGH STATIC PRESSURE DUCT

HEAT RECOVERY VENTILATION

DX INTERFACE KITS

VRF WALL MOUNTED



Multi-directional refrigerant outlet pipe

CONVENIENT INSTALLATION

To expand the installation and positioning options the unit has a choice of left, right and rear outlet piping connections for connections for complete installation flexibility. The new backing plate makes it easier when hanging the unit.

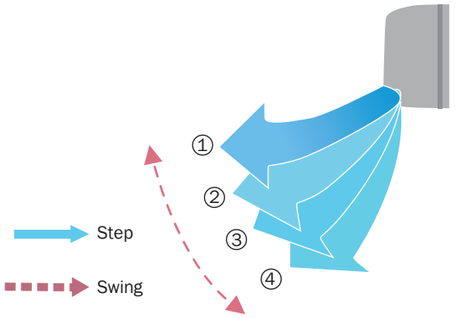
AUTO SWING LOUVRE

The Auto Swing Louvre oscillates to efficiently cool or heat the entire room.

OPTIMAL COMFORT

The mechanical expansion valve offers 2000-stage element positioning to ensure precise flow control and less modulation noise.

A new multi-blade fan combined with our air guide design guarantees smoother air flow and increased comfort.



Auto-swing louver

Auto Restart Function · Auto Addressing · Timer · Auto Defrosting · Easy-cleaning Panel · Follow Me · Anti-cold Air Function · Auto Swing · LED Display · Built-in Filter · Independent Dehumidification · Wired Controller

MODEL			MI2-22GDN1	MI2-28GDN1	MI2-36GDN1	MI2-45GDN1
Power Supply			1-phase,220-240V,50Hz			
Recommended Fuse Size		A	5	5	5	5
Interconnecting Wiring		No.	2 core (V6R Heat Recovery) / 3 Core (V6 Heat Pump) Screened 0.75mm²			
Capacity	Cooling	kW	2.2	2.8	3.6	4.5
	Heating	kW	2.4	3.2	4	5
Indoor Air flow Rate (High- Low)		m³/h	422/411/402/393/380/368/356	417/402/386/370/353/338/316	656/628/591/573/544/515/488	594/563/535/507/478/450/424
Indoor Sound Pressure Level (High- Low)		dB(A)	31/30/30/30/29/29/29	31/30/30/30/29/29/29	33/32/32/31/31/30/30	35/34/33/33/32/31/31
M panel	Net Dimensions (WxHxD)	mm	835x280x203	835x280x203	990x315x223	990x315x223
	Packing Dimensions WxHxD)	mm	935x385x320	935x385x320	1085x420x335	1085x420x335
	Net/gross Weight	kg	8.4/12.1	9.5/13.1	11.4/15.5	12.8/16.9
Piping Connections	Liquid/Gas Pipe	mm (inch)	Φ6.35/Φ12.7 (1/4/ 1/2)	Φ6.35/Φ12.7 (1/4/ 1/2)	Φ6.35/Φ12.7 (1/4/ 1/2)	Φ6.35/Φ12.7 (1/4/ 1/2)
	Drain Pipe	mm	OD Φ16	OD Φ16	OD Φ16	OD Φ16
PRICE			**520**	**550**	**602**	**700**

MODEL			MI2-56GDN1	MI2-71GDN1	MI2-80GDN1	MI2-90GDN1
Power Supply			1-phase,220-240V,50Hz			
Recommended Fuse Size		A	5	5	5	5
Interconnecting Wiring		No.	2 core (V6R Heat Recovery) / 3 Core (V6 Heat Pump) Screened 0.75mm²			
Capacity	Cooling	kW	5.6	7.1	8	9
	Heating	kW	6.3	8	9	10
Indoor Air flow Rate (High- Low)		m³/h	747/713/685/648/613/578/547	1195/1130/1065/1005/940/875/809	1195/1130/1065/1005/940/875/809	1421/1300/1125/1067/1005/934/867
Indoor Sound Pressure Level (High- Low)		dB(A)	38/37/36/36/35/34/34	44/43/42/39/38/37/36	44/43/43/39/38/37/36	48/46/45/43/41/40/38
M panel	Net Dimensions (WxHxD)	mm	990x315x223	1194x343x262	1194x343x262	1194x343x262
	Packing Dimensions WxHxD)	mm	1085x420x335	1290x375x460	1290x375x460	1290x375x460
	Net/gross Weight	kg	12.8/16.9	17/22.4	17/22.4	17/22.4
Piping Connections	Liquid/Gas Pipe	mm (inch)	Φ9.53/Φ15.9 (3/8/ 5/8)	Φ9.53/Φ15.9 (3/8/ 5/8)	Φ9.53/Φ15.9 (3/8/ 5/8)	Φ9.53/Φ15.9 (3/8/ 5/8)
	Drain Pipe	mm	OD Φ16	OD Φ16	OD Φ16	OD Φ16
PRICE			**726**	**782**	**816**	**860**

Nominal Conditions: Cooling: indoor 27°C DB, 19°C WB; outdoor 35°C DB, 24°C WB.
Nominal Conditions: Heating: indoor 20°C DB, outdoor 7°C DB, 6°C WB.
Sound Pressure is measured 1.0m below the air-outlet at Nominal Conditions.

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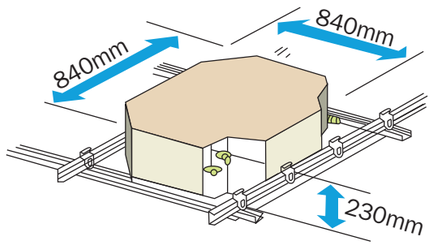
VRF ROUNDFLOW 4 WAY CASSETTE

Flexible air distribution



Super slim design

Fresh air intake

FLEXIBLE AIR DISTRIBUTION

7 discharge patterns in 2 to 4 directions can be selected to suit the requirements of the installation site or the shape of the room.

LOWER OPERATING NOISE

Streamlined plate ensures quiet operation. Advanced 3-D spiral fan design reduces air resistance and operation noise.

EASY TROUBLESHOOTING

Error codes are displayed on the built-in display board for easy troubleshooting.

SUPER SLIM DESIGN

The height of this unit starts at just 230mm, making it perfect for tight ceiling voids.

FRESH AIR INTAKE

Fresh air can enter through the cassette unit so you can enjoy even fresher air in a room.

HIGH LIFT DRAIN PUMP

Drain pump can condense water up to 750mm high, which simplifies installation of the drain piping system.

Auto Restart Function · Auto Addressing · Fresh Air · Auto Defrosting · Easy-cleaning Panel · Follow Me · Anti-cold Air Function · Built-in Drain Pump · LED Display · Built-in Filter · Independent Dehumidification · Timer · Auto Swing · Wired Controller

MODEL			MI2-28Q4DN1	MI2-36Q4DN1	MI2-45Q4DN1	MI2-56Q4DN1	MI2-71Q4DN1
Power Supply			1-phase,220-240V,50Hz				
Recommended FuseSize		A	5	5	5	5	5
Interconnecting Wiring		No.	2 core (V6R Heat Recovery) / 3 Core (V6 Heat Pump) Screened 0.75mm²				
Capacity	Cooling	kW	2.8	3.6	4.5	5.6	7.1
	Heating	kW	3.2	4	5	6.3	8
Indoor Airflow Rate (High to Low)		m3/h	801/751/711/658/637/611/542	801/751/711/658/637/611/542	893/866/804/744/714/698/635	893/866/804/744/714/698/635	977/937/864/800/778/738/671
Indoor Sound Pressure Level(High to Low)		dB(A)	29/28/27/25/25/23/21	29/28/27/25/25/23/21	32/31/28/28/27/25/23	32/31/28/28/27/25/23	32/32/31/28/27/25/24
Main body	Net Dimensions (WxHxD)	mm	840x230x840	840x230x840	840x230x840	840x230x840	840x230x840
	Packing Dimensions (WxHxD)	mm	955x260x955	955x260x955	955x260x955	955x260x955	955x260x955
	Net/gross Weight	kg	21.3/25.8	21.3/25.8	23.2/27.6	23.2/27.6	23.2/27.6
Panel	Net Dimensions (WxHxD)	mm	950x54.5x950	950x54.5x950	950x54.5x950	950x54.5x950	950x54.5x950
	Packing Dimensions (WxHxD)	mm	1035x90x1035	1035x90x1035	1035x90x1035	1035x90x1035	1035x90x1035
	Net/gross Weight	kg	5/8	5/8	5/8	5/8	5/8
Piping Connections	Liquid/Gas Pipe	mm(inch)	Φ6.35/Φ12.7 (1/4/ 1/2)	Φ6.35/Φ12.7 (1/4/ 1/2)	Φ6.35/Φ12.7 (1/4/ 1/2)	Φ9.53/Φ15.9 (3/8/ 5/8)	Φ9.53/Φ15.9 (3/8/ 5/8)
	Drain Pipe	mm	OD Φ32	OD Φ32	OD Φ32	OD Φ32	OD Φ32
PRICE			**798**	**890**	**962**	**988**	**1012**

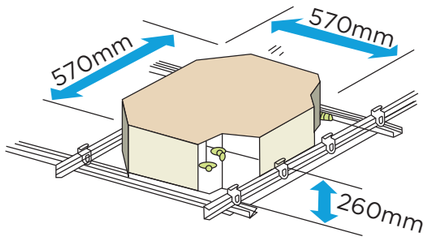
MODEL			MI2-80Q4DN1	MI2-90Q4DN1	MI2-100Q4DN1	MI2-112Q4DN1	MI2-140Q4DN1
Power Supply			1-phase,220-240V,50Hz				
Recommended Fuse Size		A	5	5	5	5	5
Interconnecting Wiring		No.	2 core (V6R Heat Recovery) / 3 Core (V6 Heat Pump) Screened 0.75mm²				
Capacity	Cooling	kW	8	9	10	11.2	14
	Heating	kW	9	10	11.1	12.5	15
Indoor Airflow Rate (High to Low)		m3/h	1203/1131/1064/977 /912/ 840/774	1349/1294/1230/1201/1111/ 1029/970	1700/1600/1440/1250/1200/ 1150/1100	1700/1600/1440/1250/1200/ 1150/1100	1800/1650/1500/1300/1250/ 1200/1150
Indoor Sound Pressure Level(High to Low)		dB(A)	32/31/30/28/28/26/25	33/31/31/28/28/27/25	39/38/36/34/33/32/31	39/38/36/34/33/31/30	40/39/38/37/36/35/34
Main Body	Net Dimensions (WxHxD)	mm	840x230x840	840x300x840	840x300x840	840x300x840	840x300x840
	Packing Dimensions (WxHxD)	mm	955x260x955	955x330x955	955x330x955	955x330x955	955x330x955
	Net/gross Weight	kg	23.2/27.6	28.4/33.8	28.4/33.8	28.4/33.8	30.7/35.8
Panel	Net Dimensions (WxHxD)	mm	950x54.5x950	950x54.5x950	950x54.5x950	950x54.5x950	950x54.5x950
	Packing Dimensions (WxHxD)	mm	1035x90x1035	1035x90x1035	1035x90x1035	1035x90x1035	1035x90x1035
	Net/gross Weight	kg	5/8	5/8	5/8	5/8	5/8
Piping Connections	Liquid/Gas Pipe	mm(inch)	Φ9.53/Φ15.9 (3/8/ 5/8)	Φ9.53/Φ15.9 (3/8/ 5/8)	Φ9.53/Φ15.9 (3/8/ 5/8)	Φ9.53/Φ15.9 (3/8/ 5/8)	Φ9.53/Φ15.9 (3/8/ 5/8)
	Drain Pipe	mm	OD Φ32	OD Φ32	OD Φ32	OD Φ32	OD Φ32
PRICE			**1044**	**1088**	**1112**	**1142**	**1272**

Nominal Conditions: Cooling: indoor 27°C DB, 19°C WB; outdoor 35°C DB, 24°C WB.
Nominal Conditions: Heating: indoor 20°C DB, outdoor 7°C DB, 6°C WB.
Unit body dimensions are the largest external Dimensions of the unit, including hanger attachments.
Sound Pressure is measured 1.5m below the air-outlet at Nominal Conditions.

VRF ROUNDFLOW COMPACT CASSETTE

Indoor unit

360° Airflow



Compact design

360° AIRFLOW OUTLET

360° air outlet provides strong airflow circulation to cool or heat every corner of a room and keep a constant temperature.

COMPACT DESIGN

Extremely compact casing suits any room's interior and requires little space for installation on a low ceiling. Due to the compact and light units, all models can be installed without a hoist.

FRESH AIR

Built-in fresh air inlet to create a more comfortable environment.

SUB DUCT

Sub duct enables you to use the same air conditioner unit to cool an additional smaller space nearby.

HIGH LIFT DRAIN PUMP

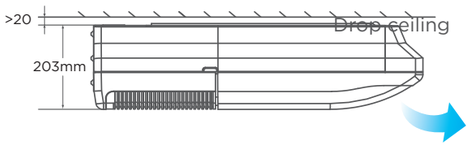
Drain pump with a 500mm pump head is fitted as standard; maximum 600mm pump head is available.

MODEL			MI2-17Q4CDN1	MI2-22Q4CDN1	MI2-28Q4CDN1	MI2-36Q4CDN1	MI2-45Q4CDN1	MI2-52Q4CDN1
Power Supply			1-phase,220-240V,50Hz					
Recommended Fuse Size		A	5	5	5	5	5	5
Interconnecting Wiring		No.	2 core (V6R Heat Recovery) / 3 Core (V6 Heat Pump) Screened 0.75mm²					
Capacity	Cooling	kW	1.7	2.2	2.8	3.6	4.5	5.2
	Heating	kW	2.2	2.4	3.2	4	5	5.6
Indoor Air flow Rate (High to Low)		m3/h	380/345/313/300/288/268/238	414/380/345/313/288/268/238	414/380/345/313/288/268/238	521/485/450/409/380/350/314	521/485/450/409/380/350/314	35/580/481/446/410/380/350
Indoor Sound Pressure Level (High to Low)		dB(A)	32/31/30/26/23/21/20	32/31/30/26/23/21/20	32/31/30/26/23/21/20	37/34/32/27/26/25	37/34/32/27/26/25	47/43/31/29/27/26/25
Main body	Net Dimensions (WxHxD)	mm	570x260x570	570x260x570	570x260x570	570x260x570	570x260x570	570x260x570
	Packing Dimensions (WxHxD)	mm	700x345x660	700x345x660	700x345x660	700x345x660	700x345x660	700x345x660
	Net/gross Weight	kg	18/23.5	18/23.5	18/23.5	19.2/24.7	19.2/24.7	19.2/24.7
Panel	Net Dimensions (WxHxD)	mm	647x50x647	647x50x647	647x50x647	647x50x647	647x50x647	647x50x647
	Packing Dimensions (WxHxD)	mm	715x123x715	715x123x715	715x123x715	715x123x715	715x123x715	715x123x715
	Net/gross Weight	kg	2.5/4.5	2.5/4.5	2.5/4.5	2.5/4.5	2.5/4.5	2.5/4.5
Piping Connections	Liquid/Gas Pipe	mm(inch)	Φ6.35/Φ12.7 (1/4/ 1/2)	Φ6.35/Φ12.7 (1/4/ 1/2)	Φ6.35/Φ12.7 (1/4/ 1/2)	Φ6.35/Φ12.7 (1/4/ 1/2)	Φ6.35/Φ12.7 (1/4/ 1/2)	Φ6.35/Φ12.7 (1/4/ 1/2)
	Drain Pipe	mm	OD Φ25	OD Φ25	OD Φ25	OD Φ25	OD Φ25	OD Φ25
PRICE			**710**	**736**	**768**	**806**	**832**	**872**

Nominal Conditions: Cooling: indoor 27°C DB, 19°C WB; outdoor 35°C DB, 24°C WB.
Nominal Conditions: Heating: indoor 20°C DB, outdoor 7°C DB, 6°C WB.
Unit body dimensions are the largest external Dimensions of the unit, including hanger attachments.
Sound Pressure is measured 1.5m below the air-outlet at Nominal Conditions.

Auto Restart Function · Auto Addressing · Fresh Air · Auto Defrosting · Easy-cleaning Panel · Follow Me · Anti-cold Air Function · Built-in Drain Pump · LED Display · Built-in Filter · Independent Dehumidification · Timer · Auto Swing · Wired Controller

VRF CEILING AND FLOOR



EASY INSTALLATION

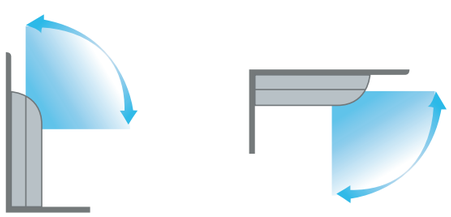
The slim and sleek design ensures easy installation. The unit can be installed either horizontally on the ceiling or vertically against the wall. It can be installed into a corner of the ceiling even if the ceiling is very narrow.

AUTO SWING AND WIDE-ANGLE AIR FLOW

Two direction auto swing – vertical and horizontal. The range of horizontal air discharge is widened which secures wider air flow distribution to provide more comfortable air circulation no matter where the unit is set up. Three air flow speeds: low, medium and high; double air guides.

OPTIMAL COMFORT

The internal EXV ensures extreme precision when controlling refrigerant flow. This reduces sound levels during operation. A new multi-blade fan combined with our air guide design guarantees smoother airflow and increased comfort.



The unit can be installed either horizontally on the ceiling or vertically against the wall.

Auto Swing & Wide Angle Airflow

Auto Restart Function · Auto Addressing · Timer · Auto Defrosting · Easy-cleaning Panel · Follow Me · Anti-cold Air Function · Auto Swing · LED Display · Built-in Filter · Independent Dehumidification · Wired Controller

MODEL			MI2-36DLDN1	MI2-45DLDN1	MI2-56DLDN1	MI2-71DLDN1
Power Supply			1-phase,220-240V,50Hz			
Recommended Fuse Size		A	5	5	5	5
Interconnecting Wiring		No.	2 core (V6R Heat Recovery) / 3 Core (V6 Heat Pump) Screened 0.75mm²			
Capacity	Cooling	kW	3.6	4.5	5.6	7.1
	Heating	kW	4	5	6.3	8
Indoor Air flow Rate (High to Low)		m3/h	550/525/500/480/460/440/420	1380/1330/1300/1260/1210/1140/1070	1380/1330/1300/1260/1210/1140/1070	1380/1340/1300/1260/1190/1140/1120
Indoor Sound Pressure Level (High to Low)		dB(A)	36/35/34/34/33/32/32	39/38/37/37/35/34/34	39/38/37/37/35/34/34	39/38/37/37/35/34/34
Net Dimensions (WxHxD)		mm	990x203x660	990x203x660	990x203x660	990x203x660
Packing Dimensions (WxHxD)		mm	1089x296x744	1089x296x744	1089x296x744	1089x296x744
Net/Gross Weight		kg	27/33	28/34	28/34	28/34
Piping Connections	Liquid/Gas Pipe	mm(inch)	Φ6.35/Φ12.7 (1/4/ 1/2)	Φ6.35/Φ12.7 (1/4/ 1/2)	Φ9.53/Φ15.9 (3/8/ 5/8)	Φ9.53/Φ15.9 (3/8/ 5/8)
	Drain Pipe	mm	OD Φ16	OD Φ16	OD Φ16	OD Φ16
PRICE			**830**	**856**	**872**	**912**

MODEL			MI2-80DLDN1	MI2-90DLDN1	MI2-112DLDN1	MI2-140DLDN1
Power Supply			1-phase,220-240V,50Hz			
Recommended Fuse Size		A	5	5	5	5
Interconnecting Wiring		No.	2 core (V6R Heat Recovery) / 3 Core (V6 Heat Pump) Screened 0.75mm²			
Capacity	Cooling	kW	8	9	11.2	14
	Heating	kW	9	10	12.5	15
Indoor Air flow Rate (High to Low)		m3/h	1300/1270/1230/1200/1160/1120/1090	1300/1270/1230/1200/1160/1120/1090	1140/1090/1060/1040/1010/990/970	1140/1090/1060/1040/1010/990/970
Indoor Sound Pressure Level (High to Low)		dB(A)	41/40/39/39/38/37/36	42/41/40/40/43/42/41	42/41/40/40/43/42/41	42/41/40/40/43/42/41
Net Dimensions (WxHxD)		mm	1280x203x660	1280x203x660	1670x244x680	1670x244x680
Packing Dimensions (WxHxD)		mm	1379x296x744	1379x296x744	1764x329x760	1764x329x760
Net/Gross Weight		kg	35/41	35/41	48/58	48/58
Piping Connections	Liquid/Gas Pipe	mm(inch)	Φ9.53/Φ15.9 (3/8/ 5/8)	Φ9.53/Φ15.9 (3/8/ 5/8)	Φ9.53/Φ15.9 (3/8/ 5/8)	Φ9.53/Φ15.9 (3/8/ 5/8)
	Drain Pipe	mm	OD Φ16	OD Φ16	OD Φ16	OD Φ16
PRICE			**1054**	**1098**	**1304**	**1336**

Nominal Conditions: Cooling: indoor 27°C DB, 19°C WB; outdoor 35°C DB, 24°C WB.
Nominal Conditions: Heating: indoor 20°C DB, outdoor 7°C DB, 6°C WB.
Sound Pressure is measured 1.0m below the air-outlet at Nominal Conditions.

VRF FLOOR STANDING

F3B series concealed type

Air intake from front (F4 series)

Air intake from below (F5 series)

EASY INSTALLATION

The unit can be installed on the floor or hung on the wall by running piping from the rear of the unit.

OPTIONAL PANEL STYLES

Three styles of finish are available. This includes both front and below air intake panels as well as option of no panel for concealed applications. This provides full flexibility and ability to meet all customer aesthetic requirements.

EASY MAINTENANCE

The internal coil can be cleaned easily due to the sophisticated design and the product's removable blades. All metal parts are made of commercial grade galvanised steel for maximum protection against corrosion.

Auto Restart Function · Auto Addressing · Timer · Auto Defrosting · Easy-cleaning Panel · Follow Me · Anti-cold Air Function · Auto Swing · LED Display · Built-in Filter · Independent Dehumidification · Wired Controller

UNCASED FLOOR STANDING

MODEL			MI2-22F3DN1	MI2-28F3DN1	MI2-36F3DN1	MI2-45F3DN1	MI2-56F3DN1	MI2-71F3DN1	MI2-80F3DN1
Power Supply			1-phase,220-240V,50Hz						
Recommended Fuse size		A	5	5	5	5	5	5	5
Interconnecting Wiring		No.	2 core (V6R Heat Recovery) / 3 Core (V6 Heat Pump) Screened 0.75mm²						
Capacity	Cooling	kW	2.2	2.8	3.6	4.5	5.6	7.1	8
	Heating	kW	2.4	3.2	4	5	6.3	8	9
Indoor Air flow Rate (High to Low)		m3/h	530/504/478/456/439/418/400	569/540/515/485/462/443/421	624/591/557/522/473/420/375	660/625/583/542/501/475/440	1150/1094/1028/970/925/886/830	1380/1290/1205/1100/1033/955/870	1380/1290/1205/1100/1033/955/870
Indoor Sound Pressure Level (High to Low)		dB(A)	34/33/32/31/30/29/28	34/33/32/31/30/29/28	35/34/33/32/31/30/29	35/34/33/32/31/30/29	39/37/35/33/31/30/29	42/39/38/37/35/33/31	42/39/38/37/35/33/31
Net Dimensions (WxHxD)		mm	840x545x212	840x545x212	1040x545x212	1040x545x212	1340x545x212	1340x545x212	1340x545x212
Packing Dimensions (WxHxD)		mm	939x639x305	939x639x305	1139x639x305	1139x639x305	1425x639x305	1425x639x305	1425x639x305
Net/Gross Weight		kg	21/25.5	21/25.5	25.5/30.5	25.5/30.5	30.5/35.5	30.5/35.5	32/37
Piping Connections	Liquid/Gas Pipe	mm (inch)	Φ6.35/Φ12.7 (1/4/ 1/2)	Φ6.35/Φ12.7 (1/4/ 1/2)	Φ6.35/Φ12.7 (1/4/ 1/2)	Φ6.35/Φ12.7 (1/4/ 1/2)	Φ9.53/Φ15.9 (3/8/ 5/8)	Φ9.53/Φ15.9 (3/8/ 5/8)	Φ9.53/Φ15.9 (3/8/ 5/8))
	Drain Pipe	mm	OD Φ16	OD Φ16	OD Φ16	OD Φ16	OD Φ16	OD Φ16	OD Φ16
PRICE			**796**	**812**	**884**	**914**	**980**	**988**	**1054**

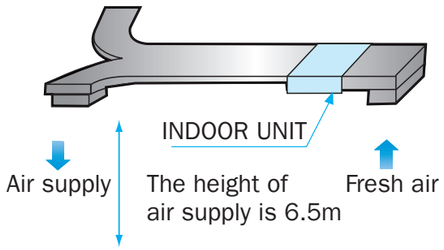
CASED FLOOR STANDING

MODEL			MI2-22F4DN1 / MI2-22F5DN1	MI2-28F4DN1 / MI2-28F5DN1	MI2-36F4DN1 / MI2-36F5DN1	MI2-45F4DN1 / MI2-45F5DN1	MI2-56F4DN1 / MI2-56F5DN1	MI2-71F4DN1 / MI2-71F5DN1	MI2-80F4DN1 / MI2-80F5DN1
Power Supply			1-phase,220-240V,50Hz						
Recommended Fuse Size		A	5	5	5	5	5	5	5
Interconnecting Wiring		No.	2 core (V6R Heat Recovery) / 3 Core (V6 Heat Pump) Screened 0.75mm²						
Capacity	Cooling	kW	2.2	2.8	3.6	4.5	5.6	7.1	8
	Heating	kW	2.4	3.2	4	5	6.3	8	9
Indoor Air flow Rate (High to Low)		m3/h	530/504/478/456/439/418/400	569/540/515/485/462/443/421	624/591/557/522/473/420/375	660/625/583/542/501/475/440	900/840/800/760/730/690/630	1100/1060/1030/990/930/890/860	1130/1110/1080/1040/1010/940/910
Indoor Sound Pressure Level (High to Low)		dB(A)	34/33/32/31/30/29/28	34/33/32/31/30/29/28	35/34/33/32/31/30/29	35/34/33/32/31/30/29	39/37/35/33/31/30/29	42/39/38/37/35/33/31	42/39/38/37/35/33/31
Net Dimensions (WxHxD)	F4	mm	1000x596x225	1000x596x225	1200x596x225	1200x596x225	1500x596x225	1500x596x225	1500x596x225
	F5	mm	1000x677x220	1000x677x220	1200x677x220	1200x677x220	1500x677x220	1500x677x220	1500x677x220
Packing Dimensions (WxHxD)	F4	mm	1089x683x312	1089x683x312	1289x683x312	1289x683x312	1589x683x312	1589x683x312	1589x683x312
	F5	mm	1182x683x312	1182x683x312	1382x683x312	1382x683x312	1682x683x312	1682x683x312	1682x683x312
Net/Gross Weight	F4	kg	28/33	28/33	33/38.6	33/38.6	40/46	40/46	41.5/47.5
	F5	kg	28/35	28/35	33/40.7	33/40.7	40.4/48.6	40.4/48.6	41.5/49.5
Piping Connections	Liquid/Gas Pipe	mm (inch)	Φ6.35/Φ12.7 (1/4/ 1/2)	Φ6.35/Φ12.7 (1/4/ 1/2)	Φ6.35/Φ12.7 (1/4/ 1/2)	Φ6.35/Φ12.7 (1/4/ 1/2)	Φ9.53/Φ15.9 (3/8/ 5/8)	Φ9.53/Φ15.9 (3/8/ 5/8)	Φ9.53/Φ15.9 (3/8/ 5/8)
	Drain Pipe	mm	OD Φ25	OD Φ16	OD Φ16	OD Φ16	OD Φ16	OD Φ16	OD Φ16
PRICE			**842**	**858**	**930**	**962**	**1038**	**1060**	**1108**

Nominal Conditions: Cooling: indoor 27°C DB, 19°C WB; outdoor 35°C DB, 24°C WB.
Nominal Conditions: Heating: indoor 20°C DB, outdoor 7°C DB, 6°C WB.
Specifications of F3B series are measured at 10Pa external static pressure and F4/F5 series at 0Pa.
Sound Pressure is measured 1m horizontally from the air-outlet at Nominal Conditions.

VRF FRESH AIR PROCESSING UNIT

Fresh air filtration



Flexible duct design

100% FRESH AIR

Both fresh air filtration and heating/cooling can be achieved in a single system, with 100% fresh air intake possible. Indoor units and fresh air processing units can be connected to the same refrigerant system, increasing design flexibility and greatly reducing total system costs.

HIGH EXTERNAL STATIC PRESSURE

External static pressure can be up to 196Pa (models 125 to 140 (and 280Pa) models 200 to 280) for more flexible duct applications. The maximum length of air supply is around 14m and the maximum height of air supply is about 6.5m.

HEALTHY AND COMFORTABLE

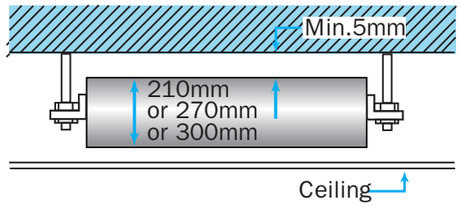
Fresh air is introduced, providing a healthy and comfortable living environment. Four speed fan motor (model 125 and 140).

MODEL			MI2-125FADN1	MI2-140FADN1
Power Supply			1-phase,220-240V,50Hz	
Recommended Fuse Size		A	5	5
Interconnecting Wiring		No.	2 core (V6R Heat Recovery) / 3 Core (V6 Heat Pump) Screened 0.75mm²	
Capacity	Cooling	kW	12.5	14.0
	Heating	kW	10.5	12.0
Indoor Air flow Rate (High to Low)		m3/h	2000/1917/1833/1750/1667/1583/1500	2000/1917/1833/1750/1667/1583/1500
External static pressure (Min/ Std/Max)		Pa	30/50/196	30/50/196
Indoor Sound Pressure Level (High to Low)		dB(A)	48/47/46/45/44/43/42	48/47/46/45/44/43/42
Net Dimensions (WxHxD)		mm	1322x423x691	1322x423x691
Packing Dimensions (WxHxD)		mm	1436x450x768	1436x450x768
Net/Gross Weight		kg	68/76	68/76
Piping Connections	Liquid/Gas Pipe	mm(inch)	Φ9.53/Φ15.9(3/8/ 5/8)	Φ9.53/Φ15.9(3/8/5/8)
	Drain Pipe	mm	OD Φ25	OD Φ25
Operation temperature range		°C	Heating: -5-16; Fan only: 16-20; Cooling: 20-43	
PRICE			**1516**	**1545**

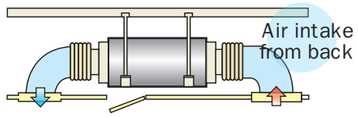
Nominal Conditions: Cooling: indoor 27°C DB, 19°C WB; outdoor 35°C DB, 24°C WB.
Nominal Conditions: Heating: indoor 20°C DB, outdoor 7°C DB, 6°C WB.
Unit body dimensions are the largest external dimensions of the unit, including hanger attachments.
Sound Pressure is measured 1.5m below the air-outlet at Nominal Conditions.
Connection Conditions:
The following restrictions must be observed in order to maintain the indoor units connection to the same system.
* When outdoor-air processing units are connected, the total connection capacity must be within 50% to 100% of that of the outdoor units.
* When outdoor-air processing units and standard indoor units are connected, the total connection capacity of the outdoor-air processing units must not exceed 30% that of the outdoor units.
* Outdoor-air processing units can be used without indoor units.
* The fresh air processing unit is not available for V4+R system & 8-26kW side discharge outdoor units.

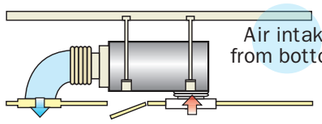
Auto Restart Function · Auto Addressing · Timer · Independent Dehumidification · Built-in Filter · Auto Defrosting · Follow Me · Anti-cold Air Function · Wired Controller · Built-in Drain Pump

VRF MEDIUM STATIC PRESSURE DUCT



Compact design





Rear and base air inlet

COMPACT DESIGN

Compact dimensions, can easily be mounted in a ceiling void with height of only 210mm (models 15-71), 270mm (models 80-112), 300mm (model 140).

FLEXIBLE CONTROL AND EASY MAINTENANCE

The electrical control box can be removed 1m away from the unit for easy maintenance access. Standard functional ports are included such as Remote On/Off Dry contact switch and Alarm signal output (220V).

CONVENIENT INSTALLATION

EXV is fixed inside the indoor unit. Standard filter is housed in an aluminium frame. A rear air inlet is standard and an inlet at the bottom is optional. Both use the same connectable duct.

STANDARD DRAIN PUMP

Drain pump with a 750mm pump head is built in as standard.

Auto Restart Function · Auto Addressing · Fresh Air · Independent Dehumidification · Built-in Filter · Auto Defrosting · Follow Me · Anti-cold Air Function · Built-in Drain Pump · Timer · Wired Controller · Super High Air Flow

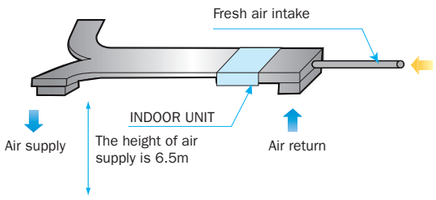
MODEL			MI2-17T2DN1	MI2-22T2DN1	MI2-28T2DN1	MI2-36T2DN1	MI2-45T2DN1	MI2-56T2DN1
Power Supply			1-phase,220-240V,50Hz					
Recommended Fuse Size		A	5	5	5	5	5	5
Interconnecting Wiring		No.	2 core (V6R Heat Recovery) / 3 Core (V6 Heat Pump) Screened 0.75mm²					
Capacity	Cooling	kW	1.7	2.2	2.8	3.6	4.5	5.6
	Heating	kW	2.2	2.6	3.2	4	5	6.3
Indoor Air flow Rate (High to Low)		m3/h	490/480/440/400/360/330/300	520/480/440/400/360/330/300	520/480/440/400/360/330/300	580/540/500/460/430/400/370	800/740/680/620/540/480/400	830/760/720/680/640/600/560
External static pressure - Standard Min/Max		Pa	10 (0-50)	10 (0-50)	10 (0-50)	10 (0-50)	10 (0-50)	10 (0-50)
Indoor Sound Pressure Level (High to Low)		dB(A)	32/31/29/28/26/25/23	32/31/29/28/26/25/23	32/31/29/28/26/25/23	33/32/31/30/28/27/25	36/34/32/31/29/27/25	36/34/33/32/30/29/28
Net Dimensions (WxHxD)		mm	780x210x500	780x210x500	780x210x500	780x210x500	960x210x500	960x210x500
Packing Dimensions (WxHxD)		mm	870x285x525	870x285x525	870x285x525	870x285x525	1115x285x525	1115x285x525
Net/Gross Weight		kg	18/21	18/21	18/21	18/21	18/21	21.5/25
Piping Connections	Liquid/Gas Pipe	mm(inch)	Φ6.35/Φ12.7 (1/4/ 1/2)	Φ6.35/ÐΦ12.7 (1/4/ 1/2)	ÐΦ6.35/Φ12.7 (1/4/ 1/2)	Φ6.35/Φ12.7 (1/4/ 1/2)	Φ6.35/Φ12.7 (1/4/ 1/2)	Φ9.53/Φ15.9 (3/8/ 5/8)
	Drain Pipe	mm	OD Φ25	OD Φ25	OD Φ25	OD Φ25	OD Φ25	OD Φ25
PRICE			**558**	**574**	**598**	**628**	**682**	**726**

MODEL			MI2-71T2DN1	MI2-80T2DN1	MI2-90T2DN1	MI2-112T2DN1	MI2-140T2DN1
Power Supply			1-phase,220-240V,50Hz				
Recommended Fuse Size		A	5	5	5	5	5
Interconnecting Wiring		No.	2 core (V6R Heat Recovery) / 3 Core (V6 Heat Pump) Screened 0.75mm²				
Capacity Capacity	Cooling	kW	7.1	8	9	11.2	14
	Heating	kW	8	9	10	12.5	15.5
Indoor Air flow Rate (High to Low)		m3/h	1000/960/900/840/780/720/680	1260/1180/1100/1020/940/860/780	1260/1180/1100/1020/940/860/780	1500/1430/1360/1290/1210/1140/1080	1960/1860/1760/1660/1560/1460/1360
External static pressure- Standard Min/Max		Pa	10 (0-50)	20 (10-100)	20 (10-100)	20 (10-100)	40 (30-150)
Indoor Sound Pressure Level (High to Low)		dB(A)	37/35/33/32/30/29/28	37/35/34/33/31/29/28	37/35/34/33/31/29/28	39/38/38/37/35/34/33	41/39/38/37/36/35/33
Net Dimensions (WxHxD)		mm	1180x210x500	1180x270x775	1230x270x775	1230x270x775	1290x300x865
Packing Dimensions (WxHxD)		mm	1335x285x525	1355x350x795	1355x350x795	1355x350x795	1400x375x925
Net/Gross Weight		kg	27.5/31.5	36.5/44.5	37/45	37/45	46.5/55.5
Piping Connections Piping Connections	Liquid/Gas Pipe	mm(inch)	Φ9.53/Φ15.9 (3/8/ 5/8)	ÐΦ9.53/Φ15.9 (3/8/ 5/8)	Φ9.53/Φ15.9 (3/8/ 5/8)	Φ9.53/Φ15.9 (3/8/ 5/8)	ÐΦ9.53/Φ15.9 (3/8/ 5/8)
	Drain Pipe	mm	OD Φ25	OD Φ25	OD Φ25	OD Φ25	OΦ Ð25
PRICE			**796**	**982**	**1012**	**1042**	**1100**

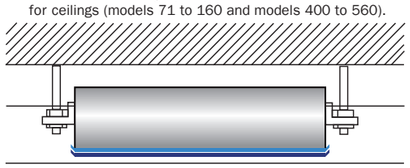
Nominal Conditions: Cooling: indoor 27°C DB, 19°C WB; outdoor 35°C DB, 24°C WB.
Nominal Conditions: Heating: indoor 20°C DB, outdoor 7°C DB, 6°C WB.
Unit body dimensions are the largest external dimensions of the unit, including hanger attachments. Sound Pressure is measured 1.5m below the air-outlet at Nominal Conditions.

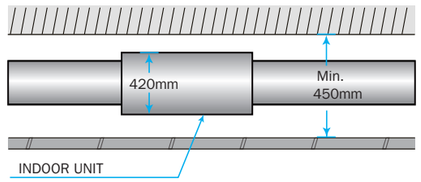
VRF HIGH STATIC PRESSURE DUCT

Indoor unit

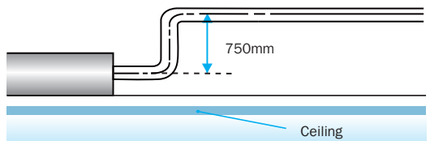


Double-skin drainage pan provides double protection for ceilings (models 71 to 160 and models 400 to 560).





Drain pump with 750mm pump head is optional (models 71 to 160).



Optional drain pump

FLEXIBLE DUCT DESIGN

External static pressure can be up to 196Pa (models 71 to 160) or 280Pa (models 200 to 560). The maximum length for air supply is about 14m at a height of 6.5m. With a 420mm (models 71 to 160) thick body, the minimum distance required above the ceiling is 450mm.

DOUBLE-SKIN DRAINAGE PAN

Double-skin drainage pan provides double protection for ceilings (models 71 to 160 and 400 to 560).

CONVENIENT INSTALLATION

The EXV is fixed inside the indoor unit. Standard filter is housed in an aluminium frame. Flange for air inlet/outlet duct connection is standard.

FLEXIBLE CONTROL AND EASY MAINTENANCE

Wired remote controller KJR-29B1/BK-E comes as standard. The display board is connected to the E-box in factory, easier troubleshooting with LED display. Easy access filters at the rear and bottom. Standard functional port such as remote on/off dry contact.

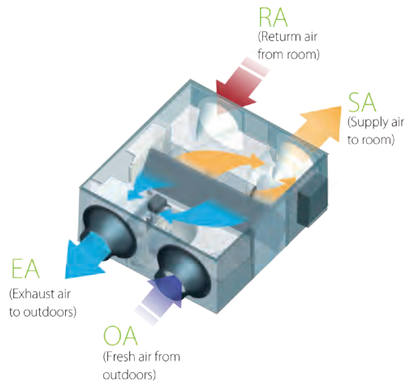
Auto Restart Function · Auto Addressing · Timer · Independent Dehumidification · Built-in Filter · Auto Defrosting · Follow Me · Anti-cold Air Function · Wired Controller · Built-in Drain Pump

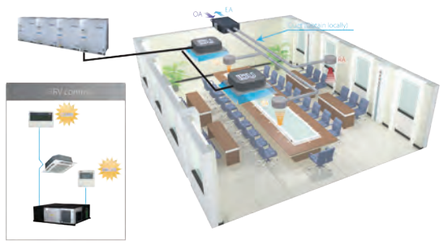
MODEL			MI2-71T1DN1	MI2-80T1DN1	MI2-90T1DN1	MI2-112T1DN1	MI2-140T1DN1	MI2-160T1DN1
Power Supply			1-phase,220-240V,50Hz					
Recommended Fuse Size		A	5	5	5	5	5	5
Interconnecting Wiring		No.	2 core (V6R Heat Recovery) / 3 Core (V6 Heat Pump) Screened 0.75mm²					
Capacity	Cooling	kW	7.1	8	9	11.2	14	16
	Heating	kW	8	9	10	12.5	16	17
Indoor Air flow Rate (High to Low)		m3/h	1360/13 27 /129 3 /126 0 /12 27 /119 3 /11 60	1360/13 27 /129 3 /126 0 /12 27 /119 3 /11 60	1420/1373/1327/1280/ 1233 /1187/1140	1870 /1783 /1697 /1610/18 70/1783/1697/1610/1523/ 1437/1350	2240/2133/2027/1920/ 1813/1707/1600	2660/2530/2400 2270/2140/2010/1880
External static pressure (Min/ Std/Max)		Pa	100 (30- 200)	100 (30- 200)	100 (30- 200)	100 (30- 200)	100 (30- 200)	100 (30- 200)
Indoor Sound Pressure Level (High to Low)		dB(A)	42/41/40/40/39/39/38	42/41/40/40/39/39/38	45/44/43/42/41/40/39	48/47/46/45/43/42/41	45/44/43/42/41/40/40	46/45/44/43/42/41/40
Net Dimensions (WxHxD)		mm	965x423x690	965x423x690	965x423x690	965x423x690	1332x423x691	1332x423x691
Packing Dimensions (WxHxD)		mm	1090x440x768	1090x440x768	1090x440x768	1090x440x768	1436x450x768	1436x450x768
Net/Gross Weight		kg	41/47	41/47	51/57	51/57	63/70	63/70
Piping Connections	Liquid/Gas Pipe	mm(inch)	Φ9.53/Φ15.9 (3/8/ 5/8)	Φ9.53/Φ15.9 (3/8/ 5/8)	Φ9.53/Φ15.9 (3/8/ 5/8)	Φ9.53/Φ15.9 (3/8/ 5/8)	Φ9.53/Φ15.9 (3/8/ 5/8)	Φ9.53/Φ15.9 (3/8/ 5/8)
	Drain Pipe	mm	OD Φ25	OD Φ25	OD Φ25	OD Φ25	OD Φ25	OD Φ25
PRICE			**896**	**926**	**990**	**1074**	**1320**	**1372**

MODEL			MI2-200T1DN1	MI2-250T1DN1	MI2-280T1DN1	MI2-400T1DN1	MI2-450T1DN1	MI2-560T1DN1
Power Supply			1-phase,220-240V,50Hz					
Recommended Fuse Size		A	10	10	10	25	25	25
Interconnecting Wiring		No.	2 core (V6R Heat Recovery) / 3 Core (V6 Heat Pump) Screened 0.75mm²					
Capacity	Cooling	kW	20	25	28	40	45	56
	Heating	kW	22.5	26	31.5	45	50	63
Indoor Air flow Rate (High to Low)		m3/h	43 30 /423 0 /41 30 /40 30 /39 30 /383 0 /37 30	43 30 /423 0 /41 30 /40 30 /39 30 /383 0 /37 30	43 30 /423 0 /41 30 /40 30 /39 30 /383 0 /37 30	6500/6150/5800/5450 /5100/4750/4400	6500/6150/5800/5450 /5100/4750/4400	7400/7000/6600/6200/ 5800/5400/5000
External static pressure - Standard Min/Max		Pa	1 7 0 (2 0- 2 50)	1 7 0 (2 0- 2 50)	1 7 0 (2 0- 2 50)	300 (100-400)	300 (100-400)	300 (100-400)
Indoor Sound Pressure Level (High to Low)		dB(A)	51/50/50/49/49/48/47	51/50/50/49/49/48/47	51/50/50/49/49/48/47	60/59/58/57/55/54/52	60/59/58/57/55/54/52	59/58/57/56/5
Net Dimensions (WxHxD)		mm	1454x515x931	1454x515x931	1454x515x931	2010x905x680	2010x905x680	2010x905x680
Packing Dimensions (WxHxD)		mm	1509x550x990	1509x550x990	1509x550x990	2095x929x689	2095x929x689	2095x929x689
Net/Gross Weight		kg	130/142	130/142	130/142	210/235	210/235	218/248
Piping Connections	Liquid/Gas Pipe	mm	Φ12.7/Φ22.2 (1/2/ 7/8)	Φ12.7/Φ22.2 (1/2/ 7/8)	Φ12.7/Φ22.2 (1/2/ 7/8)	Φ15.8/Φ28.6 (5/8/ 1 1/8)	Φ15.8/Φ28.6 (5/8/ 1 1/8)	Φ15.8/Φ28.6 (5/8/ 1 1/8)
	Drain Pipe	mm	OD Φ32	OD Φ32	OD Φ32	OD Φ32	OD Φ32	OD Φ32
PRICE			**2106**	**2222**	**2352**	**3538**	**3932**	**4134**

Nominal Conditions: Cooling: indoor 27°C DB, 19°C WB; outdoor 35°C DB, 24°C WB.
Nominal Conditions: Heating: indoor 20°C DB, outdoor 7°C DB, 6°C WB.
Unit body dimensions are the largest external dimensions of the unit, including hanger attachments. Sound Pressure is measured 1.5m below the air-outlet at Nominal Conditions.

VRF HEAT RECOVERY VENTILATION





Flexible control

ENHANCED EFFICIENCY

Midea heat recovery ventilation (HRV) can greatly reduce energy losses and room temperature fluctuations caused by the ventilation process. Temperature exchange efficiency is over 74% and enthalpy exchange efficiency is over 76%.

LOW NOISE

Soundproofing is used to guarantee quiet operation.

FLEXIBLE CONTROL

HRV can be controlled together with other indoor units. Heights starting from as little as 264mm and weights from as little as 23kg mean that the HRV can be easily installed where space is limited.

MULTIPLE MODES

Heat Exchange Mode: The flows of incoming and outgoing air pass close to each other, allowing heat transfer between the two channels. During summer, incoming air is cooled by the indoor air being exhausted and in winter, incoming air is warmed.

Bypass Mode: Supply and exhaust fans run at the same speed. In mild climates, where temperature and humidity differences between indoor and outdoor are small, the HRV can work as a conventional ventilation fan.

Air Supply Mode: Supply fan runs faster than exhaust fan. A mode suitable in mild climate installations with fresh air ventilation requirements.

Exhaust Mode: Exhaust fan runs faster than supply fan. A mode suitable in mild climate installations with large amounts of exhaust air to be expelled.

Auto Mode: The controller chooses heat exchange mode or bypass mode according to temperature difference between outdoors and indoors. Both fans run at low speed.

Midea

HRV-D300(B)-D400(B)

HRV-D500(B)-D1000(B)

HRV-D1500(B)-D2000(B)

MODEL		HRV-D200(B)	HRV-D300(B)	HRV-D400(B)	HRV-D500(B)
Power supply		1-phase,220-240V,50/60Hz			
Recommended Fuse Size	A	5	5	5	5
Interconnecting Wiring	No.	2 Core Screened 0.75mm²			
Nominal Temperature Efficiency	%	81.8/85.4/87.5	80.4/81.8/83.5	79.2/81.1/83.3	77.2/79.4/82.5
Nominal Enthalpy Efficiency	%	81.2/83.1/85.0	79.4/81.2/84.0	79.6/81.8/84.2	72.3/75.6/78.6
Filter Type		G4 (F7&M5 Available as Option)			
Current	A	0.64	0.84	0.97	1.2
Fresh air external static pressure (H)	Pa	75	70	70	65
Discharge air external static pressure (H)	Pa	100	110	110	110
Nominal air flow	m3/h	200	300	400	500
Sound pressure level (H/M/L)	dB(A)	34/29.1/23.5	35.5/30.2/25.1	39/33.8/29	36.5/32.2/27.7
Net Dimensions (LxWxH)	mm	1195x801x272	1195x914x272	1276x1204x272	1311x1106x390
Packing size (LxWxH)	mm	1275x880x420	1275x994x420	1360x1284x420	1390x1244x540
Net/Gross weight	kg	46.5/63.5	56.5/75.5	71.5/91.5	76/98
Fresh Air diameter	mm	Φ144	Φ144	Φ198	Φ244
Air drop	Pa	52	179	218	357
Operating temperature range	°C	-7-43DB, 80%RH or less			
PRICE		**876**	**1172**	**1334**	**1480**

MODEL		HRV-D800(B)	HRV-D1000(B)	HRV-D1500(B)	HRV-D2000(B)
Power supply		1-phase,220-240V,50/60Hz			
Recommended Fuse Size	A	5	10	10	10
Interconnecting Wiring	No.	2 Core Screened 0.75mm²			
Nominal Temperature Efficiency	%	74.9/77.1/80.8	75.4/78.0/81.4	83.8/84.6/86.2	78.8/80.5/83.4
Nominal Enthalpy Efficiency	%	71.1/74.4/78.0	67.3/71.1/75.0	74.6/76.2/78.8	71.1/75.0/79.6
Filter Type		G4 (F7&M5 Available as Option)			
Current	A	2.4	2.9	3.8	5.7
Fresh air external static pressure (H)	Pa	100	110	150	160
Discharge air external static pressure (H)	Pa	155	145	180	180
Nominal air flow	m3/h	800	1000	1500	2000
Sound pressure level (H/M/L)	dB(A)	48.5/43.1/36.4	50.2/44.8/37	52.5/47.8/43.5	54.1/49.2/43.3
Net Dimensions (LxWxH)	mm	1311x1286x390	1311x1526x390	1740x1375x615	1811x1575x685
Packing size (LxWxH)	mm	1390x1424x540	1390x1670x540	1830x1520x770	1900x1720x845
Net/Gross weight	kg	80/104	90/112	181.5/213	208.5/245
Fresh Air diameter	mm	Φ244	Φ244	346Φ326	346Φ326
Air drop	Pa	357	384	253	322
Operating temperature range	°C	-7-43DB, 80%RH or less			
PRICE		**2034**	**2490**	**3554**	**3828**

For the units model of HRV-D200-HRV-D2000, there are 3-speed adjustable air-volume (Hi, Med, Low). All the parameters is measured at the high speed air-volume.Sound Pressure is measured 1.5m below the air-outlet at Nominal Conditions.

Efficiency is measured under the following conditions:
* Cooling: air exhaust temp 27°C DB, 19.5°C WB; fresh air temp. 35°C DB, 28°C WB.
* Heating: air exhaust temp 21°C DB, 13°C WB; fresh air temp. 5°C DB, 2°C WB.

Indoor unit

Outdoor unit

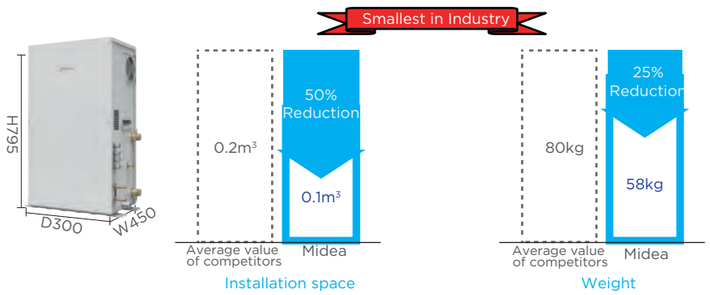
Hydro module

MS

VRF HYDROMODULE

SMALLEST VOLUME AND WEIGHT IN THE INDUSTRY

The new high temperature hydro module is compact and light to install, it has the smallest volume and weight in the industry.

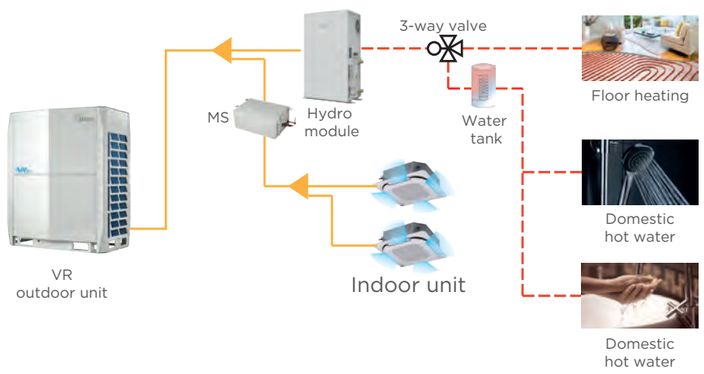


HOT WATER SUPPLY

The V6R outdoor unit can connect to Midea's high temperature hydro module to produce hot water from 25°C to 80°C achieving space cooling/ heating and hot water simultaneously. The hydromodule can also be used for both underfloor heating and domestic hot water.

"FREE" HOT WATER PRODUCTION

The energy efficiency is maximised by diverting the heat that is removed from the indoor units during the cooling process to areas requiring heating to achieve "free" hot water production.



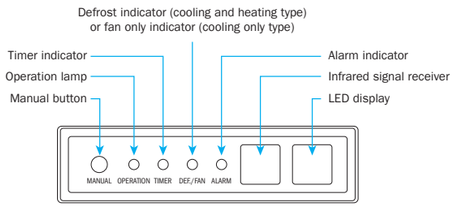
MODEL			SMK-D140HN1-3
Power Supply			1-phase, 220-240V,50Hz
Recommended Fuse Size		A	20
Interconnecting Wiring		No.	2 core (V6R Heat Recovery Only)
Heating Capacity		kW	14
Design Pressure	Allowed Water Pressure	MPA	0.1-0.3
	R410a		4
Heating Operation Range	Ambient, Min	°C	-20
	Ambient, Max	°C	30
	Water Side, Min	°C	25
	Water Side, Max	°C	80
Domestic Hot Water Operation Range	Ambient, Min	°C	-20
	Ambient, Max	°C	43
	Water Side, Min	°C	25
	Water Side, Max	°C	80
Water Flow Rate	Minimum	m3/hr	1.2
	Nominal	m3/hr	2.4
	Maximum	m3/hr	2.9
Sound Pressure	Nominal	dB(A)	43
Dimensions	Net Dimensions (WxHxD)	mm	450x795x300
	Packing Dimensions (WxHxD)	mm	735x820x385
	Net/gross Weight	kg	63 / 71
Refrigerant Pipe	Liquid/Gas Pipe	mm(inch)	Φ9.53/Φ12.7 (3/8/ 1/2)
Water Pipe	Connection Type		External Thread
	Inlet	mm	Φ25.4
	Outlet	mm	Φ25.4
PRICE			**5000**

Heating Capacity Rated Conditions: Water outlet: 45°C, inlet 40°C /Outdoor air : 7°C DB / 6°C WB
Outdoor Temperature: 7°CB/6°CWB

VRF DX INTERFACE

FLEXIBLE CONTROLS

WIDE APPLICATION RANGE



LED MOUNTED DISPLAY

HIGH FLEXIBILITY WITH CAPACITY ADJUSTMENT

Available in three basic sizes which can be optimally adjusted. Cooling: 9 – 56kW & Heating 10 – 63kW. Multiple interfaces can be installed together for up to 90kW Cooling and 90kW Heating.

Model	Setting cooling capacity (HP)	AHU capacity (kW)	Reference air volume (m^3/h)	Max air Volume (m^3/h)
AHUKZ-00D	0.8	2.2-2.8	500	600
	1	2.8-3.6	550	650
	1.2	3.6-4.5	600	750
	1.7	4.5-5.6	750	900
	2	5.6-7.1	850	1000
	2.5	7.1-8	1000	1300
	3	8-9	1300	1800
AHUKZ-01D	3.2	9-11.2	1400	2400
	4	11.2-14	1700	3000
	5	14-18	2100	3800
	6	18-20	2700	4300
AHUKZ-02D	8	20-25	3000	5400
	10	25-30	3700	6400
	12	30-36	4500	7700
AHUKZ-03D	14	36-40	5400	8600
	16	40-45	6000	9700
	18	45-50	6700	10800
	20	50-56	7500	12000

FLEXIBLE CONTROLS

Can be controlled via standard Midea controller or 3rd Party controller via 0-10VDC.

WIDE APPLICATION RANGE

Up to 45kW available from a single sideflow outdoor unit.

LED MOUNTED DISPLAY

Built in display for easy trouble-shooting

FLEXIBLE INSTALLATION

Can be installed with both Heat Pump & Heat Recovery VRF.

Up to 90kW from single outdoor unit

Wide capacity range with up to 56kW from a single unit

Up to 45kW from a single Sideflow Unit

MODEL			AHUKZ-00D	AHUKZ-01D	AHUKZ-02D	AHUKZ-03D
Power Supply			1-phase,220-240V,50Hz			
Recommended Fuse Size		A	5	5	5	5
Interconnecting Wiring		mm	2 core (V6R Heat Recovery) / 3 Core (V6 Heat Pump) Screened 0.75mm²			
Capacity		kW	2.2-9	9-20	20-36	36-56
Net Dimensions (WxHxD)		mm	341x393x125			
Packing Dimensions (WxHxD)		mm	440x490x205			
Net/Gross Weight		kg	5.7/8.3	5.7/8.3	5.8/8.5	6/8.6
Piping Connections Piping Connections	Inlet Pipe	mm(inch)	Φ9.53 (3/8)	Φ9.53 (3/8)	Φ12.7 (1/2)	Φ15.9 (5/8)
	Outlet Pipe	mm(inch)	Φ9.53 (3/8)	Φ9.53 (3/8)	Φ12.7 (1/2)	Φ15.9 (5/8)
PRICE			750	950	1150	1365

Nominal Conditions: Cooling: indoor 27°C DB, 19°C WB; outdoor 35°C DB, 24°C WB. Nominal Conditions: Heating: indoor 20°C DB, outdoor 7°C DB, 6°C WB.

Option 2: 3rd party DDC controller

Option 1: Midea controller

M THERMAL R32 MONOBLOC AIR TO WATER HEAT PUMP

MCS CERTIFIED

M Thermal provides an energy efficient solution that delivers space heating and cooling and domestic hot water. It is a complete all-year-round, integrated heating system which can replace, or work in synergy with traditional gas or oil boilers.

WIDE OPERATION RANGE

Available in single phase capacities of 4 kW - 16 kW, or three phase capacities of 12 kW to 30 kW

DOMESTIC HOT WATER AND UNDERFLOOR HEATING

The M Thermal can provide domestic hot water (up to 80°C) and underfloor heating, improving room comfort.

PERFECT FOR SMALL SPACES

The M Thermal is designed for installation in any type of property, especially homes with limited space.

Being a compact system with a single unit installed outdoors means the available space indoors remains unchanged.

PERFORMANCE

A+++ ErP Energy Rating

Efficient heating capacity even when at -7°C air temperature.

Maintains continuous hot water supply up to 80°C even with outdoor temperatures as low as -20°C

EASY INSTALLATION & MAINTENANCE

All functions are achieved with a single outdoor unit, bringing significant cost savings. Furthermore, installation is quicker and easier as there is no need for refrigerant piping, and the product is pre-charged at the factory.

Two-door design for easy access to internal components for easy maintenance.

QUIET OPERATION

The M Thermal produces 35D dB(A) sound pressure level at 3 meters.

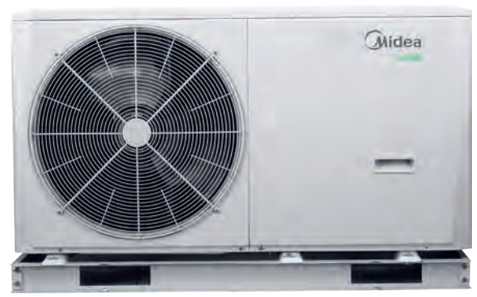
ENERGY MONITORING AS STANDARD

Energy consumption data for running cost analysis.

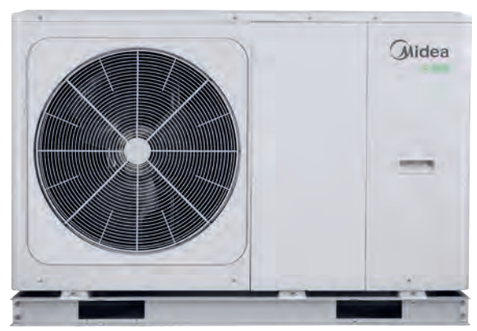
INTUITIVE CONTROL

The remote controller can be used for daily and weekly programming, managing water production temperature, operating modes, etc. It also has built-in Wi-Fi as standard which can connect to the 'ICONNECT SMART HOME APP. The unit can be controlled via the App and energy consumption can be viewed along with energy-saving suggestions.

MHC-V4 & MHC-V6



MHC-V8 & MHC-V16



Model	Output	Dimensions (mm)			SCOPS		WEIGHT	REFRIGERANT
	-2 / 50	W	D	H	35°c	50°c		
MHC-V4W/D2N8-B	5.1 kW	1295	792	429	4.66	3.56	98 Kg	R32
MHC-V6W/D2N8-B	5.7 kW	1295	792	429	4.77	3.72	98 Kg	R32
MHC-V8W/D2N8-B	7.25 kW	1385	945	453	5.03	3.67	121 Kg	R32
MHC-V10W/D2N8-B	8 kW	1385	945	453	5.03	3.78	121 Kg	R32
MHC-V12W/D2N8-B	11 kW	1385	945	453	4.67	3.68	144 Kg	R32
MHC-V14W/D2N8-B	14 kW	1385	945	453	4.5	3.64	144 Kg	R32
MHC-V16W/D2N8-B	14 kW	1385	945	453	4.49	3.59	144 Kg	R32

We are so confident in our product's reliability that we are offering all our Mi Pro installation partners an "industry first" 10 year warranty

10 Year Warranty · Next Day Spares · Free Training

Mi Point Business Contributions · Commissioning Support · Refrigerant Contributions

WHY MI PRO?

www.mipro-rewards.co.uk

Mi Pro offers a truly responsible approach to air conditioning ownership. It offers the UK and Ireland markets a solution that is not just right for Midea partners but is also a stand out choice for the end user.

All trained Mi Pro installation partners can certify up to a 10 year warranty and support the longest maintenance contracts. They can also deliver premium efficiencies from our unique maximum pipe length refrigerant contribution scheme (up to £/€25/Kg).

Our strength is fully supporting our trained partners to grow their business and we are doing this by delivering the best possible end user ownership experience.

Our partnered message to every end user is clear: If a Mi Pro trained partner installs your equipment correctly, commissions the systems professionally and takes care of them efficiently, you will gain the market's longest warranty and best life cycle costs.

HOW TO BECOME A MI PRO PARTNER

- ✓ Register your F GAS installations via our website
- ✓ Register your F GAS service visits online, annually, to retain warranty
- ✓ Install and register both Midea Splits and VRF equipment or register over 20 service visits per annum
- ✓ Stay up-to-date with Midea certified training

MI PRO PARTNER WARRANTY
Warranty is extended for every year that a product maintenance is registered by the original Mi Pro installer. This can be up to 10 years on VRF / LCAC and 7 years on RAC products.

STANDARD WARRANTY
Warranty is extended for every year that a product maintenance is registered by the original installer. This can be up to 5 years on VRF / LCAC and 3 years on RAC products.

TRAINING ACADEMY

FREE PRODUCT TRAINING

We run a series of Midea certified one day training courses at our Newcastle Training Academy, online via zoom or at our partners' premises. Technical training and CPDs courses are free of charge and help towards Mi Pro qualification.

MI PRO PARTNER BENEFITS

Up to 10 year zero quibble warranty*

Increase the standard of installation and long term care of our products by offering the industry's first 10 year warranty**

Mi Pro installer maintenance warranty terms

There is no one better at taking care of the long-term maintenance of a Midea product than a Mi Pro partner

Periodic proof of maintenance

We encourage all end users to correctly take care of equipment by meeting the terms of warranty

Next day spare parts with time critical labour contribution

We provide the market's fastest response times and limit end user down time

Free annual training and certificate of accreditation

We support our partners to stay up to date with all new products and industry qualifications

Mi Points reward scheme offering marketing support/tooling/discount

Mi Points** are awarded to installers who register their installation and agree to the terms of our extended warranty. This is to incentivise those who deliver and register professional installations and encourage long term care of Midea products. For customers correctly registering installations who are not yet Mi Pro Partners, your points will be awarded when you have achieved Mi Pro Partner status.

Maximum pipe length refrigerant contribution £/€25/Kg

We help our partners reduce the environmental impact of refrigerants by encouraging the correct amount to be used. This ensures optimum system efficiency.

*Depending on partner status.
**Warranty will be void if the maintenance is not registered annually.

SPENDING YOUR REWARDS
www.mipro-rewards.co.uk

As a Mi Pro Partner you can collect Mi Pro points on any Midea equipment you purchase and correctly register for warranty. The amount of points you collect is directly related to the size of the unit(s) you are purchasing. As an example, a 12,000BTU Midea Blanc Series Split System will accumulate 12 points.

You can use your points for:

- Discount on your future Midea orders*
- Business contributions to support mutual growth**
- Spending in our online shop** (luxury products, work products, vouchers)

mipro-rewards.co.uk is a website that gives our partners exclusive access to spend Mi Pro points to self indulge, make work life easier or get help towards mutual business growth.

The Mi Pro points you have accumulated can be used by following these three steps:

1. Search the website and decide how you wish to spend your Mi Pro points
2. Fill out the enquiry form or give us a call
3. Wait for your reward!

* Up to a maximum of 25% on any order.
** A minimum of 100 points is required before redemption and all points must be claimed by the end of the year when they are earned.

*To support our Mi Pro installation partners to offer the best possible maintenance and warranty to their customers, we reward our partners who correctly register their installation and maintenance with Mi Pro Points.***

WARRANTY

REGISTER YOUR PRODUCTS ONLINE

www.mipro-rewards.co.uk/warranty

All customer orders are confirmed by email and, with your first order confirmation you will be offered the opportunity to receive warranty cards on all future deliveries.

To validate the warranty of Midea products you must register the installation online.

Simply complete the details on the rear of the warranty card that you receive with your outdoor unit and register your installation online or via email to warranty@mideauk.co.uk**.

Alternatively, Mi Pro Partners can upload an original commissioning sheet for registration and subsequent service sheets each year thereafter for initial validation and continuation of warranty.

Registering at least one service visit every consecutive year will provide the end user with a full term warranty. For Mi Pro Partners this can be up to 10 years*

Making a claim

In the unlikely event you need to claim a spare part to repair a Midea product please follow this simple procedure:

1. Contact the Midea UK & Ireland technical department to ensure we help you correctly diagnose the fault and agree on the required spare part.
2. Ensure your equipment has at least 1 warranty/service registration within the last 12 months.
3. On confirmation of the above our support team will send you a completed warranty claim form, once you verify the details are correct, we will dispatch the spare part.

WARRANTY TERMS

www.mipro-rewards.co.uk/warranty

Every precaution has been taken during the design and manufacture of Midea equipment to ensure the products conform to the highest standards. The confidence in the products reliability is evident by offering the industry's first 10 year warranty* to Mi Pro installation partners who correctly maintain our products.

In the unlikely event of a warranty fault, the following sets out the current Midea warranty policy:

1.0 Warranty provides:

a. Replacement parts from the recorded date of equipment delivery for up to 10 years*.

b.
- **i)** Matched pairs only split systems (RAC wall mounted units up to 7 years*).
- **ii)** Multi-split systems, standard combinations only (up to 7 years*).
- **iii)** VRF (all types, standard combinations only).
- **iv)** Commercial split (standard combinations only).

2.0 Warranty includes:

Guarantee against manufacturing faults and materials within the 10 year warranty period*. The replacement parts will be supplied free of charge. A fixed labour allowance will be provided by Midea UK & Ireland for up to 5 years dependent on Mi Pro installer status and product warranty registration.

3.0 Full term warranty policy will be void if system failure is caused by:

- **i)** Non-Midea parts fitted.
- **ii)** Incorrect installation, incorrect application, inadequate or incorrectly executed commissioning.
- **iii)** Neglect, accidental and/or deliberate misuse, normal wear and tear.
- **iv)** Failure to periodically register equipment maintenance with Midea UK & Ireland.
- **v)** Any unauthorised alterations to original products or installation without approval from Midea UK & Ireland.
- **vi)** Equipment working outside of stated operating limits.
- **vii)** Maintenance carried out by anyone other than the original installer (unless agreed to do so with Midea UK).

4.0 Warranty will only be given on products supplied under the official distribution licence of Midea UK & Ireland.

5.0 Procedure:

- **i)** Any faulty parts must be diagnosed from site whilst liaising with a member of the Midea UK technical support team or one of our approved distributors. Faulty parts must be retained by the client and if requested returned to Midea UK & Ireland.
- **ii)** Midea UK & Ireland receives the requested documentation regarding replacement parts.
- **iii)** If approved, replacement parts are shipped to the client's required address on an agreed date.
- **iv)** Any claim made on equipment that does not have proof of periodic maintenance WILL NOT be considered. Under these circumstances, a separate parts purchase order will be required.**
- **v)** Fixed labour allowances will only be paid to Mi Pro Partners and only on confirmation that system operation was achieved within 72 hours of replacement part delivery. Labour allowances must be claimed for separately.
- **vi)** Midea UK & Ireland may require evidence of checks being carried out and the resulting data.
- **vii)** Failure to pay for equipment invalidates all warranty.
- **viii)** Midea UK & Ireland reserves the right to update/ modify this warranty and its T&Cs at any time.

* Warranty terms dependent on Mi Pro installer status and annual qualification.

**Failure to register an installation warranty card per condensing unit and then at least one of your maintenance visits each consecutive year will result in all warranties and Mi Points being void.

*** One product warranty registration pack is supplied per condensing unit and is affixed to the unit packaging. If the warranty registration pack is missing, please report this immediately and we will send a next day replacement free of charge.

If you take care of our products and something goes wrong then we want you to remember this unlikely event for how quickly we made it right. Our aim is to provide the simplest, fastest and most economical means of repair in the industry

SPLIT SYSTEMS ICONS GUIDE

COMFORT

Temperature Compensation
This function helps overcome any discrepancies in temperature that can be found between the height of the indoor fan and controlled space. Helping provide a more accurate temperature control.

Low Ambient Cooling
With built-in low ambient kit and a specially designed PCB, the outdoor fan speed is automatically changed according to the condensing temperature. Cooling is achievable down to -15°C.

Frost Protection
Setting automatic frost protection will activate rapid heating if the room temperature falls below 8°C.

Intelligent Cool
The coanda deflector in conjunction with humidity and close temperature control offer market leading levels of comfort cooling.

360° Air Flow Panel
360 degree air outlet creates a soft and gentle air flow which circulates throughout the whole space, offering optimum temperature distribution.

Follow Me
The inbuilt thermistor in the remote controller will sense the temperatures surrounding the user, allowing the system to offer the greatest levels of comfort control.

Sweet Dreams
This function allows the system to smoothly decrease the room temperature in sync with your body's natural rhythms to bring about a restful sleep.

Quiet Mode
The indoor fan will run in super quiet mode which keeps the noise as low as 20dB.

Humidity Control
Smart technology detects humidity levels and adjusts cool airflow to the desired level.

Super Cool
"Super Cool" can be activated at one touch. This initiating high speed compressor frequency and indoor fan speed until the room temperature rapidly achieves 17°C.

Anti-cold Air Function
Anti-Cold Air Function. The indoor fan speed is regulated automatically according to the evaporator temperature. This limits the fan from blowing colder air when in heating mode thus preventing cold drafts.

Flash Cooling/Heating
The high frequency start up system generates high levels of heat transfer in a very short period of time.

Three Dimensional Air Flow
3D airflow creates a soft and gentle circulation throughout the whole space and provides an even temperature distribution in the room.

RELIABILITY

Diamond-Edged Casing
Innovative and award winning sleek design increases durability, prevents rust, reduces noise and prevents pooling water that can otherwise turn to ice.

Self-diagnosis and Auto-protection
If the system determines it is running abnormally it will automatically shut down to protect its key components. At the same time it will indicate an error code for fast service.

Emergency Use Function
If a temperature sensor error occurs the unit will alarm and operate in emergency function mode until replaced. The system will continue to operate based on average readings from the previous day's control.

Self Clean
Premium reliability. The outdoor fan activates high speed reverse air flow mode before and after operation for a fixed period of time, thus removing the build-up of dust and other contaminants that would otherwise reduce equipment efficiencies and increase equipment wear and tear.

Refrigerant Leakage Detect
This function automatically monitors the operating parameters of the system and stops the equipment from running if a refrigerant leak is detected.

Smart Diagnosis
Via the Midea Air App you can scan and monitor connected equipment remotely. If any abnormalities are detected an error code and description of fault will be given.

HEALTH

High Density Filter
Compared with ordinary dust filter, the high density design allows for a 50% increase in pollutant collection.

Self-cleaning
When the self clean function is activated the indoor coil dries itself using a four-stage cycle that minimises the build-up of dust and mould growth.

Fresh Air
Outside air can be ducted onto the indoor fan coil to provide room occupants with fresh and healthy air.

Bacteria and Dust Removal
Bacteria is eliminated from the air by a specialised eco filter with inbuilt enzymes to dissolve the cell walls of the contaminants.

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

CONVENIENCE

Remote Enable Port
Specialised inbuilt reserved ports which allow a remote ON/OFF switch to be easily connected. Offering simple connectivity to external control sources i.e. BMS, Hotel Room Card, Fire Alarm Shut down.

Error Alarm Port
Specialised inbuilt reserved ports which allow a simple remote output alarm for connection to BMS or external alarm.

Twin Combination
The units can be installed as a twin system (one outdoor with two indoors) to split the duty of the system to a wider space.

Wi-Fi Control
Control the air conditioner and set a timer easily through the APP on your smartphone. You can turn on, control and even monitor your connected air conditioner from anywhere you have an internet connection.

Wired Control
Wired controller can be fixed to the wall for a permanently mounted control solution.

Central Control Management
The centralised controller is a multi functional device that can control multiple units/systems.

Adjustable Static Pressure Switch
Adjust the static pressure specific to your installation requirements to maintain correct air volume.

Built-in Drain Pump
The inbuilt drain pump can lift condensing water up to 750mm.

Louvre Position Memory
The indoor unit will remember the louvre position at the time it was turned off. It will set the louvre to the same position again when it is reinitialised.

Auto Restart Function
If the system is stopped because of power interruption it will automatically restart in the previous settings and mode when the power resumes.

24-hour Timer
The system can be preset to automatically start and stop within a 24hr period.

Smart Reminder
The system monitors the time between filter maintenance and provides a reminder for the next service.

ENERGY SAVING

Smart Sleep Curve
Enhanced environment monitoring ensures the most comfortable temperatures to bring about and maintain sleep.

Gear Change
The Gear function enables the user to adjust the operating frequency of the compressor. Control the power consumption as your wish.

iEco Mode
By pressing this button the system will run into an 8-hour power saving mode which reduces running costs by 60% against normal mode.

Bill Control
Using the Midea Air App the end user can monitor and restrict energy usage for the units based on their own budget.

GA Stepless Comfort Technology
GA stepless frequency adjustment of the compressor and fan motors maintains closer control of room temperature, ensuring supreme comfort and savings on energy bills.

Self Clean
Premium efficiency. The outdoor fan activates high speed reverse air flow mode before and after operation for a fixed period of time, thus removing the build-up of dust and other contaminants in ensuring maximum airflow across the condenser coil is achieved.

Freedom Air Conditioning Ltd

Terms & Conditions

1. Definitions

1.1 "Buyer" means the person who buys or agrees to buy the goods from the Seller.

1.2 "Conditions" means the terms and conditions of sale set out in this document and any special terms and conditions agreed in writing by the Seller.

1.3 "Delivery date" means the date specified by the Seller when the goods are to be delivered.

1.4 "Goods" means the articles that the Buyer agrees to buy from the Seller.

1.5 "Price" means the price for the goods excluding carriage, packing, insurance and VAT.

1.6 "Seller" means all Subsidiaries wholly or partially owned by Freedom Air Conditioning Ltd

2. Conditions Applicable

2.1 These conditions shall apply to all Contracts for the sale of goods by the Seller to the Buyer to the exclusion of all other terms and conditions including any terms or conditions which the Buyer may purport to apply under any purchase order, confirmation or order or similar document.

2.2 All orders for goods shall be deemed to be an offer by the Buyer to purchase goods pursuant to these conditions.

2.3 Acceptance of delivery of the goods shall be deemed conclusive evidence of the Buyer's acceptance of these conditions.

2.4 Any variation to these conditions (including any special terms and conditions agreed between the parties) shall not be applicable unless agreed in writing by the seller.

3. Price and Payment

3.1 The price shall be the Seller's quoted price which shall be binding upon the sale providing that the Buyer shall accept the Seller's quotation within 30 days. The price is exclusive of VAT which should be due at the rate ruling on the date of VAT invoice.

3.2 Payment of the price and VAT should be due within 30 days of the date of the invoice. Time for payment shall be of the essence.

3.3 Interest on overdue invoices shall accrue from the date when payment becomes due from day to day until the date of payment at a rate of 2% above Barclays Bank plc's base rate from time to time in force and shall accrue at such a rate after as well as before any Judgement.

3.4 The Seller may by giving notice to the Buyer at any time up to 7 days before delivery increase the price of the goods to reflect any increase in the cost to the Seller which is due to factors occurring after the making of the Contract of Sale which are beyond the reasonable control of the Seller (including without limitation, foreign exchange fluctuations, taxes and duties and the cost of labour, materials and other manufacturing costs). Provided that the Buyer may cancel this Contract within 7 days of any such notice from the Seller. The price is exclusive of VAT which should be due at the rate ruling on the date of the VAT invoice.

4. The Goods

4.1 The goods shall be manufactured and supplied in accordance with the description contained in the Seller's specification and manufactured in accordance with all applicable British standards which relate specifically to the goods.

4.2 The Seller may from time to time make changes in the specification of the goods which are required to comply with any applicable safety or statutory requirements or which do not materially affect the quality or fitness for the purpose of the goods.

4.3 The Buyer shall take delivery of the goods tendered notwithstanding that the quantity so delivered shall be either greater or less than the quantity purchased provided that:

4.3.1 Such discrepancy in quantity shall not exceed 5%

4.3.2 The price shall be adjusted pro rata to the discrepancy

4.4 The Buyer shall inspect the goods on delivery and shall within three days of delivery notify the Seller of any alleged defects, shortage in quantity, damage or failure to comply with description or sample. The Buyer shall afford the Seller an opportunity to inspect the goods within a reasonable time following delivery and before any use is made of them. If the Buyer should fail to comply with these provisions the goods shall be conclusively presumed to be in accordance with the Contract and free from any defect or damage which would be apparent on a reasonable examination of the goods and the Buyer shall be deemed to have accepted the goods.

4.5 The Buyer shall notify the Seller of any non-delivery of a whole consignment within 14 days of the date of despatch (as stated on the invoice). Notwithstanding the receipt by the Seller of any such Notice a clear signature on a carrier's delivery advice sheet shall be deemed simply by receipt of the quantity of goods indicated on the advice sheet.

4.6 If the goods are not in accordance with the Contract for any reason the Buyer's sole remedy shall be limited to the Seller making good any shortage by replacing the goods or if the Seller shall elect, by refunding a proportion of part of the price.

5. Warranties and Liabilities

5.1 The Seller warrants that the goods will at the time if delivery corresponds to the description given by the Seller.

5.2 All terms, conditions and warranties (whether implied or made expressly) whether by the Seller or its servants or agents or otherwise (other than those express warranties set out in the current edition of the Seller's specification) relating to the quality and/or fitness for the purpose of the goods or any of the goods are excluded.

5.3 In the event of any breach of this Contract by the Seller the Seller shall be under no liability whatever to the Buyer for any indirect loss and/or expense (including loss of profit) suffered by the Buyer. In the event of such breach the remedies of the Buyer shall be limited to damages. Under no circumstances shall the liability of the Seller exceed the price of the goods.

5.4 All warranties and conditions whether implied by statute or otherwise are excluded from this Contract. Providing that nothing in this Contract shall restrict or exclude liability for death or personal injury caused by the negligence of the Seller or affect the statutory rights of a Buyer dealing as a consumer.

6. Delivery of the Goods

6.1 Delivery of the goods shall be made to the buyer's address on the delivery date. The buyer should make all arrangements necessary to take delivery of the goods whenever they are tendered for delivery.

6.2 The Seller may deliver the goods by separate installments. Each separate installment shall be invoiced and paid for in accordance with the provisions of this Contract of Sale.

6.3 The failure of the buyer to pay for any one or more of the said installments of the goods on the due date shall entitle the Seller (at the sole option of the Seller)

6.3.1 without notice to suspend further deliveries of the goods pending payment by the Buyer and/or

6.3.2 to treat this Contract as repudiated by the Buyer.

6.4 The Seller shall not be liable for any loss or damage whatsoever due to failure by the Seller to deliver the goods (or any of them) promptly or at all.

6.5 Notwithstanding that the Seller may have delayed or failed to deliver the goods (or any of them) promptly the Buyer shall be bound to accept delivery and to pay for the goods received.

7. Acceptance of the Goods

7.1 The Buyer shall be deemed to have accepted the goods 24 hours after delivery to the Buyer.

7.2 After acceptance the Buyer shall not be entitled to reject the goods which are not in accordance with the Contract.

7.3 If the Buyer properly rejects any of the goods which are not in accordance with the Contract the Buyer shall nonetheless pay the full price for such goods unless the Buyer promptly gives notice of rejection to the Seller and at the Buyer's cost return such goods to the Seller before the date when payment of the price is due.

7.4 No goods delivered to the Buyer which are in accordance with the Contract will be accepted for return without the prior written approval of the Seller on terms to be determined at the absolute discretion of the Seller.

7.5 If the Seller agrees to accept any such goods for return the Buyer shall be liable to pay a handling charge of 10% of the invoice price. Such goods must be returned by the Buyer carriage paid to the Seller in their original shipping cartons.

7.6 Goods returned without the prior written approval of the Seller may at the Seller's absolute discretion be returned to the Buyer or stored at the Buyer's cost without prejudice to any rights or remedies the Seller may have.

8. Title and Risk

8.1 The goods shall be at the Buyer's risk as from delivery.

8.2 In spite of delivery having been made property in the goods shall not pass from the Seller until

8.2.1 the buyer shall have paid the price plus VAT in full, and

8.2.2 no other sums whatever shall be due from the Buyer to the Seller.

8.3 Until property in the goods passes to the Buyer in accordance with Clause 8.2 the Buyer shall hold the goods and each of them on a fiduciary basis as Bailee for the Seller. The Buyer shall store the goods at no cost to the Seller (separately from all other goods in its possession and marked in such a way that they are clearly identified as the Seller's property).

8.4 Notwithstanding that the goods (or any of them) remain the property of the Seller the Buyer may sell or use the goods in the ordinary course of the Buyer's business at full market value for the account of the Seller. Any such sale or dealing shall be a sale or use of the Seller's property by the Buyer on the Buyer's own behalf and the Buyer shall deal as principal when making such sales or dealings. Until property in the goods passes from the Seller the entire proceeds of sale or otherwise of the goods shall be held in trust for the Seller and shall not be mixed with other money or paid into any overdrawn bank account and shall be at all material times identified as the Seller's money.

8.5 The Seller shall be entitled to recover the price (plus VAT) notwithstanding that the property in any of the goods has not passed from the Seller.

8.6 Until such time as property in the goods passes from the Seller the Buyer shall upon request deliver up such of the goods as have not ceased to be in existence or re-sold to the Seller. If the Buyer fails to do so the Seller may enter upon any premises owned, occupied or controlled by the Buyer where the goods are situated and re-possess the goods. On the making of such requests the rights of the Buyer under Clause 8.4 shall cease.

8.7 The Buyer shall not pledge or in any way charge by way of security for any indebtedness of any of the goods which are the property of the Seller. Without prejudice to the other rights of the Seller if the Buyer does so all sums whatever owing by the Buyer to the Seller shall forthwith become due any payable.

8.8 The Buyer shall insure and keep insured the goods to the full price against all risks to the reasonable satisfaction of the Seller until the date that property in the goods passes from the Seller and shall whenever requested by the Seller produce a copy of the policy of insurance. Without prejudice to the other rights of the Seller if the Buyer fails to do so all sums whatever owing by the buyer to the Seller shall forthwith become due and payable.

8.9 The Buyer shall promptly deliver the prescribed particulars of his Contract to the Registrar in accordance with the Companies Act 1985 part XII as amended. Without prejudice to the other rights of the Seller if the Buyer fails to do so all sums whatever owing by the Buyer to the Seller shall forthwith become due and payable.

9. Refrigerant Cylinders

9.1 The cylinders always remain the property of the Seller and title shall not pass from the Seller to the Buyer.

9.2 The Buyer shall hold the cylinders on a fiduciary basis as Bailee for the Seller. The Buyer shall store the cylinders at no cost to the Seller (separately from all other cylinders in its possession and marked in such a way that they are clearly identified as the Seller's property).

9.3 The Buyer shall insure and keep insured the cylinders to the full price against all risk to the reasonable satisfaction of the Seller.

9.4 All cylinders when empty shall be returned in good condition by the Buyer to the Seller, carriage paid and in their original shipping cartons.

9.5 The Seller will only be deemed to have accepted the return of the cylinders by acceptance of a record compiled by the Buyer of the cylinder numbers on the return cylinders which accords with the Seller's original delivery notes. In the case of dispute this memorandum will be deemed to record the return of the cylinders.

9.6 The Buyer shall be liable to the Seller for all consequential loss, damage and expense caused by damage to or loss of the cylinders caused howsoever including force majeure.

9.7 Any residual gas remaining in the cylinder upon return will become the property of the Seller upon delivery.

9.8 Cylinders will be issued on a rent free basis for the first three months. Thereafter a monthly rental charge will be applied on the Seller's standard charge as amended from time to time. A copy of the current charges will be supplied to the Buyer by the Seller upon request.

9.9 The Seller reserves the right to deem the cylinder as lost if not returned within 6 months from date of supply. In these circumstances a "Lost Cylinder Charge" will apply. A copy of the current charges will be supplied by the Seller upon request.

10. Industrial Gas Cylinders

10.1 The Industrial Gas cylinders always remain the property of the Seller and title shall not pass from the Seller to the Buyer.

10.2 The Buyer shall hold the cylinders on a fiduciary basis as Bailee for the Seller. The Buyer shall store the cylinders at no cost to the Seller (separately from all other cylinders in its possession and marked in such a way that they are clearly identified as the Seller's property).

10.3 The Buyer shall insure and keep insured the cylinders to the full price against all risk to the reasonable satisfaction of the Seller.

10.4 All cylinders when empty shall be returned in good condition by the Buyer to the Seller, carriage paid and in their original shipping cartons.

10.5 The Seller will only be deemed to have accepted the return of the cylinders by acceptance of a record compiled by the Buyer of the cylinder numbers on the return cylinders which accords with the Seller's original delivery notes. In the case of dispute this memorandum will be deemed to record the return of the cylinders.

10.6 The Buyer shall be liable to the Seller for all consequential loss, damage and expense caused by damage to or loss of the cylinders caused howsoever including force majeure.

10.7 Any residual gas remaining in the cylinder upon return will become the property of the Seller upon delivery.

10.8 Industrial Gas Cylinders will be issued on a rent free basis for the first three months. Thereafter a monthly rental charge will be applied on the Seller's standard charge as amended from time to time. A copy of the current charges will be supplied to the Buyer by the Seller upon request.

10.9 Industrial Gas Cylinders will be issued on a Deposit basis. This Deposit will be credited to the Buyers account upon satisfactory return of the Cylinder to the Seller. A copy of the current charges will be supplied to the Buyer by the Seller upon request.

10.10 The Seller reserves the right to deem the cylinder as lost if not returned within 6 months from date of supply. In these circumstances a "Lost Cylinder Charge" will apply. A copy of the current charges will be supplied by the Seller upon request.

11. Severance

Any provision of this Contract which is or may be void or unenforceable shall to the extent of such invalidity or unenforceability be deemed severable and shall not affect any other provision of this contract.

12. Waiver

No waiver of forbearance by the Seller (whether expressed or implied) in enforcing any of its rights under this Contract shall prejudice its right to do so in the future.

13. Insolvency

If the Buyer fails to make payment for the goods in accordance with its Contract of Sale or commits any other breach of its Contract of Sale or if any distress or execution shall be levied upon any of the Buyer's goods or if the Buyer offers to make any arrangements with its creditors or if any Petition is presented against the Buyer or the Buyer is unable to pay its debts as they fall due or if being a Limited Company any resolution or Petition to wind up the Buyer (other than for the purpose of amalgamation or reconstruction without insolvency) shall be passed or presented or if a Receiver, Administrative Receiver or Manager shall be appointed over the whole or any part of the Buyer's business or assets or if any Petition for the appointment of any Administrator is presented against the Buyer or if the Buyer shall suffer any analogous proceedings under foreign law all sums outstanding in respect of the goods shall become payable immediately. The Seller may in its absolute discretion without prejudice to any other rights which it may have

i. suspend all future deliveries of goods to the Buyer and/or terminate the Contract without liability on its part, and/or

ii. exercise any of the rights pursuant to Clause 8.

14. Proper Law of Contract

14.1 This Contract is subject to the Law of England and Wales.

14.2 All disputes arising out of this Contract shall be subject to the exclusive jurisdiction of the Courts of England and Wales.

15. Force Majeure

Notwithstanding any other provision of the conditions the seller shall not be liable in any way for loss or damage resulting from the failure to supply any of the goods, for any delay or defect in the supply of any of the goods caused by force majeure or strike, lockout, industrial action, accident, fire, scarcity of materials or labour or any other cause not within the Seller's direct control.

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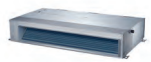
QUICK REFERENCE GUIDE - R32 SPLIT SYSTEMS

TYPE	CODE	COOLING kW (Min-Max)	HEATING kW (Min-Max)	PIPE SIZES	MAX PIPE LENGTH (M)	MAX PIPE HEIGHT (M)	CHARGE g/M	INTERCONNECTING CABLE	POWER TO	Power Supply			LIST PRICE	MI PRO CONTRIBUTION		
										Ph	In (A)	Out (A)		Mi Points	Refrigerant Payment	Net Prices
BLANC WALL MOUNTED	MA															
	9	2.6(1.02-3.22)	3.0(0.82-3.37)	1/4" & 3/8"	25	10	12	5 Core* 1.5mm²	Outdoor	1	N/A	16	556	9	5	
	12	3.5(1.08-4.10)	4.0(1.08-4.22)	1/4" & 3/8"	25	10	12	5 Core* 1.5mm²	Outdoor	1	N/A	16	640	12	7	
	18	5.3(1.91-6.14)	5.7(1.4-6.91)	1/4" & 1/2"	30	20	12	5 Core* 1.5mm²	Outdoor	1	N/A	16	946	18	10	
	24	7.0 (2.65-8.25)	7.6(2.91-8.53)	3/8" & 5/8"	50	25	24	5 Core* 2.5mm²	Outdoor	1	N/A	20	1378	24	25	
AG WALL MOUNTED	AG															
	9	2.64(1.02-3.22)	2.93(1.02-3.37)	1/4" & 3/8"	25	10	12	5 Core* 1.5mm²	Outdoor	1	N/A	16	660	9	5	
	12	3.51(1.377-4.30)	3.80(1.06-4.38)	1/4" & 3/8"	25	10	12	5 Core* 1.5mm²	Outdoor	1	N/A	16	786	12	7	
	18	5.27(3.39-5.89)	5.56(3.1-6.1)	1/4" & 1/2	30	20	12	5 Core* 1.5mm²	Outdoor	1	N/A	16	1052	18	10	
	24	7.03(2.11-8.20)	7.32(1.55-8.21)	3/8" & 5/8"	50	25	24	5 Core* 2.5mm²	Outdoor	1	N/A	20	1504	24	25	
BREEZELESS WALL MOUNTED	MSF															
	9	2.64(0.85-3.28)	2.93(.79-3.37)	1/4" & 3/8"	25	10	12	5 Core* 1.5mm²	Outdoor	1	N/A	16	848	9	5	
	12	3.52(1.31-4.37)	3.81(0.88-4.54)	1/4" & 3/8"	25	10	12	5 Core* 1.5mm²	Outdoor	1	N/A	16	998	12	7	
COMPACT ROUNDFLOW CASSETTE	MCA															
	12	3.52(1.52-5.28)	4.4(1.03-5.57)	1/4" & 3/8"	25	10	12	4 Core 1mm²	Outdoor	1	N/A	16	1236	12	10	
	18	5.28(5.74-6.15)	5.6(0.88-7.03)	1/4" & 1/2"	30	20	12	4 Core 1mm²	Outdoor	1	N/A	16	1638	18	10	
SUPER SLIM ROUNDFLOW CASSETTE	MCD															
	24	7.03(3.22-8.21)	7.62(2.43-8.65)	3/8" & 5/8"	50	25	24	2 Core 1mm²	Both**	1	5* (or Via Outdoor)	20	2086	24	25	
	36	10.55(4.04-12.02)	11.14(2.94-13.48)	3/8" & 5/8"	65	30	24	2 Core 1mm²	Both**	1 | 3	5* (or Via Outdoor)	32 | 16	2622	36	35	
	48(42)	12.31(2.58-12.77)	13.48(2.05-14.27)	3/8" & 5/8"	65	30	24	2 Core 1mm²	Both**	1	5* (or Via Outdoor)	32	3045	42	35	
	48	14.07(4.75-16.12)	16.12(3.93-17.59)	3/8" & 5/8"	65	30	24	2 Core 1mm²	Both**	3	5* (or Via Outdoor)	16	3294	48	35	
	55	15.53(5.28-18.46)	18.17(4.4-19.34)	3/8" & 5/8"	65	30	24	2 Core 1mm²	Both**	3	5* (or Via Outdoor)	16	3634	55	35	
SUPER SLIM ROUNDFLOW CASSETTE TWIN	MCD															
	18+18(24+24)	10.55(4.04-12.02)	11.14(2.93-13.19)	3/8" & 5/8"	65	30	24	2 Core 1mm²	Both**	1 | 3	5* (or Via Outdoor)	32 | 16	3355	36	35	
	24+24	12.31(2.58-13.7)	13.48(2.05-14.27)	3/8" & 5/8"	65	30	24	2 Core 1mm²	Both**	1	5* (or Via Outdoor)	32	3648	42	35	
	24+24	14.07(4.75-16.12)	16.1(3.93-17.59)	3/8" & 5/8"	65	30	24	2 Core 1mm²	Both**	3	5* (or Via Outdoor)	16	3896	48	35	
	30+30	15.53(5.28-18.46)	18.2(4.4-20.51)	3/8" & 5/8"	65	30	24	2 Core 1mm²	Both**	3	5* (or Via Outdoor)	16	3999	55	35	
CEILING AND FLOOR MOUNTED	MUE															
	18	5.28(2.64-6.15)	5.57(2.27-7.03)	1/4" & 1/2"	30	20	12	4 Core 1mm²	Outdoor	1	N/A	16	1542	18	10	
	24	7.03(3.22-8.29)	7.62(2.72-8.65)	3/8" & 5/8"	50	25	24	2 Core 1mm²	Both**	1	5* (or Via Outdoor)	20	1900	24	25	
	36	10.55(3.93-12.02)	11.14(2.81-13.48)	3/8" & 5/8"	65	30	24	2 Core 1mm²	Both**	1 | 3	5* (or Via Outdoor)	32 | 16	2720	36	35	
	48(42)	12.31(2.58-12.77)	13.48(2.05-14.27)	3/8" & 5/8"	65	30	24	2 Core 1mm²	Both**	1	5* (or Via Outdoor)	32	3098	42	35	
	48	14.07(4.96-16.04)	16.12(3.81-18.07)	3/8" & 5/8"	65	30	24	2 Core 1mm²	Both**	3	5* (or Via Outdoor)	16	3290	48	35	
	55	15.83 (5.28-18.46)	18.17(4.4-19.64)	3/8" & 5/8"	65	30	24	2 Core 1mm²	Both**	3	5* (or Via Outdoor)	16	3434	55	35	
CEILING AND FLOOR MOUNTED TWIN	MUE															
	18+18(24+24)	10.55(3.93-12.02)	11.14(2.81-13.48)	3/8" & 5/8"	65	30	24	2 Core 1mm²	Both**	1 | 3	5* (or Via Outdoor)	32 | 16	2983	36	35	
	24+24	12.31(2.58-13.7)	13.48(2.05-14.27)	3/8" & 5/8"	65	30	24	2 Core 1mm²	Both**	1	5* (or Via Outdoor)	32	3241	42	35	
	24+24	14.07(4.96-16.04)	16.12(3.81-18.07)	3/8" & 5/8"	65	30	24	2 Core 1mm²	Both**	3	5* (or Via Outdoor)	16	3489	48	35	
	30+30	15.83(5.28-18.46)	18.17(4.4-19.64)	3/8" & 5/8"	65	30	24	2 Core 1mm²	Both**	3	5* (or Via Outdoor)	16	4195	55	35	
DUCTED	MTI															
	12	3.51(1.49-4.75)	4.10(0.97-5.63)	1/4" & 3/8"	25	10	12	4 Core 1mm²	Outdoor	1	N/A	16	1254	12	10	
	18	5.28(2.55-6.15)	5.57(2.20-7.03)	1/4" & 1/2"	30	20	12	4 Core 1mm²	Outdoor	1	N/A	16	1600	18	10	
	24	7.03(3.28-8.16)	7.62(2.72-8.72)	3/8" & 5/8"	50	25	24	2 Core 1mm²	Both**	1	5* (or Via Outdoor)	20	1976	24	25	
	36	10.55(4.04-12.02)	11.14(2.81-13.19)	3/8" & 5/8"	65	30	24	2 Core 1mm²	Both**	1 | 3	5* (or Via Outdoor)	32 | 16	2794	36	35	
	42	12.31(2.58-12.77)	13.48(2.05-14.27)	3/8" & 5/8"	65	30	24	2 Core 1mm²	Both**	1	5* (or Via Outdoor)	32	2940	42	35	
	48	14.07(4.26-16.41)	16.12(3.7-18.02)	3/8" & 5/8"	65	30	24	2 Core 1mm²	Both**	3	5* (or Via Outdoor)	16	3460	48	35	
	55	15.24 (5.86-18.11)	18.17(4.69-20.52)	3/8" & 5/8"	65	30	24	2 Core 1mm²	Both**	3	5* (or Via Outdoor)	16	3562	55	35	
DUCTED TWIN	MTI															
	18+18(24+24)	10.55(4.04-12.02)	11.14(2.81-13.19)	3/8" & 5/8"	65	30	24	2 Core 1mm²	Both**	1 | 3	5* (or Via Outdoor)	32 | 16	3135	36	35	
	24+24	12.31(2.58-13.7)	13.48(2.05-14.27)	3/8" & 5/8"	65	30	24	2 Core 1mm²	Both**	1	5* (or Via Outdoor)	32	3393	42	35	
	24+24	14.07(4.26-16.41)	16.12(3.7-18.02)	3/8" & 5/8"	65	30	24	2 Core 1mm²	Both**	3	5* (or Via Outdoor)	16	3641	48	35	
	30+30	15.24 (5.86-18.11)	18.17(4.69-20.52)	3/8" & 5/8"	65	30	24	2 Core 1mm²	Both**	3	5* (or Via Outdoor)	16	4343	55	35	