Specification

HP			8	10	12	14
Model			MDVO-Vi252V2R1B	MDVO-Vi280V2R1B	MDVO-Vi335V2R1B	MDVO-Vi400V2R1B
Power supply		V/N/Hz	380-415/3/50	380-415/3/50	380-415/3/50	380-415/3/50
Cooling (T1)[1]	Capacity	kW	25.2	28	33.5	40
		kBtu/h	86.0	95.5	114.3	136.5
	Power input	kW	7.6	9.1	11.6	15.7
	EER		3.30	3.09	2.90	2.54
Heating (Rated)[2]	Capacity	kW	25.2	28	33.5	40
		kBtu/h	86.0	95.5	114.3	136.5
	Power input	kW	6.1	7.0	9.1	11.7
	COP		4.10	4.02	3.68	3.42
Heating (Max)[2]	Capacity	kW	27	31.5	37.5	45
		kBtu/h	92.1	107.5	128.0	153.5
	Power input	kW	7.8	9.5	11.5	14.6
	COP		3.47	3.30	3.25	3.09
SEER			7.25	7.05	6.91	6.65
ηs,c		%	287.0	279.0	273.4	263.0
SCOP			4.15	4.11	4.11	4.15
ηs,h		%	163.0	161.4	161.4	163.0
Connected indoor unit	Total capacity		50-130%	50-130%	50-130%	50-130%
	Maximum quantity		13	16	19	23
Compressor	Type		DC inverter	DC inverter	DC inverter	DC inverter
	Quantity		1	1	1	1
Fan	Type		Propeller	Propeller	Propeller	Propeller
	Motor type		DC	DC	DC	DC
	Static pressure	Pa	0-35 (standard);35-80 (customized)			
Refrigerant	Type		R410A	R410A	R410A	R410A
	Factory charge	kg	6.1	6.1	6.4	7.4
Pipe connections[3]	Liquid pipe	mm	Φ12.7	Φ12.7	Φ12.7	Φ12.7
	Gas pipe	mm	Φ25.4	Φ25.4	Φ25.4	Φ25.4
Sound pressure level[4]		dB(A)	56	57	58	59
Sound power level[4]		dB(A)	76	79	81	82
Net dimensions (WxHxD)		mm	1130×1760×580	1130×1760×580	1130×1760×580	1130×1760×580
Packed dimensions (WxHxD)		mm	1210×1916×597	1210×1916×597	1210×1916×597	1210×1916×597
Net weight		kg	182	182	185	187
Gross weight		kg	196	196	199	201
Ambient temp. operation range	Cooling	℃	-15 to 55	-15 to 55	-15 to 55	-15 to 55
	Heating	℃	-30 to 30	-30 to 30	-30 to 30	-30 to 30

Notes:
1.Indoor temperature 27℃ DB, 19℃ WB; outdoor temperature 35℃ DB; equivalent refrigerant piping length 7.5m with zero level difference;connect to Cassette type indoor unit.
2.Indoor temperature 20℃ DB; outdoor temperature 7℃ DB, 6℃ WB; equivalent refrigerant piping length 7.5m with zero level difference;connect to Cassette type indoor unit.
3. Diameters given are those of the unit's stop valves.
4. Sound pressure level is measured at a position 1m in front of the unit and 1.3m above the floor in a semi-anechoic chamber.

Specification

HP			16	18	20	22
Model			MDVO-Vi450V2R1B	MDVO-Vi500V2R1B	MDVO-Vi560V2R1B	MDVO-Vi615V2R1B
Power supply		V/N/Hz	380-415/3/50	380-415/3/50	380-415/3/50	380-415/3/50
Cooling(T1)[1]	Capacity	kW	45	50	56	61.5
		kBtu/h	153.5	170.6	191.1	209.8
	Power input	kW	16.0	19.5	22.9	30.8
	EER		2.82	2.57	2.45	2.00
Heating (Rated)[2]	Capacity	kW	45	50	56	61.5
		kBtu/h	153.5	170.6	191.1	209.8
	Power input	kW	12.2	13.7	15.5	17.8
	COP		3.68	3.65	3.62	3.46
Heating (Max)[2]	Capacity	kW	50	56.5	63	69
		kBtu/h	170.6	192.8	215.0	235.4
	Power input	kW	15.7	18.1	20.3	22.5
	COP		3.19	3.12	3.10	3.07
SEER			6.77	6.47	6.30	6.15
ηs,c		%	267.8	255.8	249.0	243.0
SCOP			4.23	4.17	4.07	4.00
ηs,h		%	166.2	163.8	159.8	157.0
Connected indoor unit	Total capacity		50-130%	50-130%	50-130%	50-130%
	Maximum quantity		26	29	33	36
Compressor	Type		DC inverter	DC inverter	DC inverter	DC inverter
	Quantity		1	1	1	1
Fan	Type		Propeller	Propeller	Propeller	Propeller
	Motor type		DC	DC	DC	DC
	Static pressure	Pa	0-35 (standard);35-80 (customized)			
Refrigerant	Type		R410A	R410A	R410A	R410A
	Factory charge	kg	8	8	8.5	8.5
Pipe connections[3]	Liquid pipe	mm	Φ15.9	Φ15.9	Φ15.9	Φ15.9
	Gas pipe	mm	Φ28.6	Φ28.6	Φ28.6	Φ28.6
Sound pressure level[4]		dB(A)	60	61	61	62
Sound power level[4]		dB(A)	86	88	89	89
Net dimensions (WxHxD)		mm	1250×1760×580	1250×1760×580	1250×1760×580	1250×1760×580
Packed dimensions (WxHxD)		mm	1330×1916×597	1330×1916×597	1330×1916×597	1330×1916×597
Net weight		kg	214	214	234	234
Gross weight		kg	229	229	249	249
Ambient temp. operation range	Cooling	℃	-15 to 55	-15 to 55	-15 to 55	-15 to 55
	Heating	℃	-30 to 30	-30 to 30	-30 to 30	-30 to 30

Notes:
1.Indoor temperature 27℃ DB, 19℃ WB; outdoor temperature 35℃ DB; equivalent refrigerant piping length 7.5m with zero level difference;connect to Cassette type indoor unit.
2.Indoor temperature 20℃ DB; outdoor temperature 7℃ DB, 6℃ WB; equivalent refrigerant piping length 7.5m with zero level difference;connect to Cassette type indoor unit.
3. Diameters given are those of the unit's stop valves.
4. Sound pressure level is measured at a position 1m in front of the unit and 1.3m above the floor in a semi-anechoic chamber.

B-V8SiMEU 202308

Outdoor Unit Lineup

25.2-40kW

45-61.5kW

3rd Generation

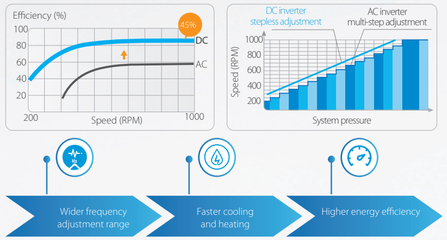
Type	One-way Cassette	Two-way Cassette	Compact Four-way Cassette
Indoor Unit	 1.8-7.1kW, 7 models	 2.2-7.1kW, 6 models	 1.5-6.3kW, 7 models
Type	**Four-way Cassette**	**Arc Duct**	**Medium Static Pressure Duct**
Indoor unit	 2.8-18kW, 12 models	 1.5-11.2kW, 10 models	 1.5-16kW, 13 models
Type	**High Static Pressure Duct**	**Wall Mounted**	**Ceiling & Floor**
Indoor unit	 5.6-56kW, 16 models	1.5-8kW, 8 models	 3.6-14kW, 10 models
Type	**Floor Standing**	**Fresh Air Processing Unit**	**Small Airflow Rate Fresh Air Processing Unit**
Indoor unit	 2.2-8kW, 7 models	 22.4-56KW, 7 models	 9-28KW, 5 models

2nd Generation DC/AC Indoor Unit

Type	One-way Cassette	Two-way Cassette	Compact Four-way Cassette	Four-way Cassette	Medium Static Pressure Duct
Indoor Unit	 1.8-7.1KW, 7 models	 2.2-7.1KW, 6 models	 2.2-4.5KW, 5 models (DC) 1.8-4.5KW, 5 models (AC)	 2.8-16KW, 11 models (DC) 2.8-14KW, 10 models (AC)	 2.2-16KW, 11 models (DC) 2.2-14KW, 10 models (AC)
Type	**High Static Pressure Duct**	**Wall Mounted**	**Ceiling & Floor**	**Floor Standing**	**Fresh Air Processing Unit**
Indoor Unit	 7.1-56kW, 12models	2.2-9kW, 8 models	 3.6-16kW, 9 models (DC) 3.6-14kW, 8 models (AC)	 2.2-8kW, 7 models (DC)	 12.5-56kW, 7 models (DC)

Full DC Inverter Technology

The MDV8Si Series VRF uses full DC inverter compressor and fan motor to achieve high precision stepless speed adjustment according to system operation, and ensures that the system is always in optimum condition, operating more efficiently, more consistently and with less noise.



Space Saving

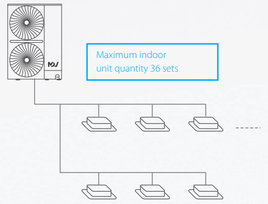
The compact, slim designed outdoor unit can easily be installed on a balcony, realizing complete system installation within each floor. Which release more useful utilization of the space on the building rooftop.

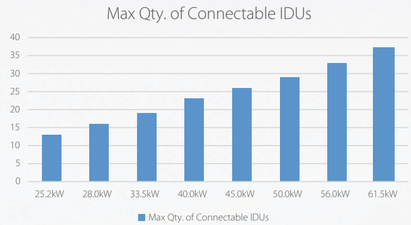
Easy Transportation

MDV8Si Series VRF can be transported by elevator which makes installation dramatically easy, and effectively reduces time and labor thanks to the small size.

Flexible Indoor Units Connection

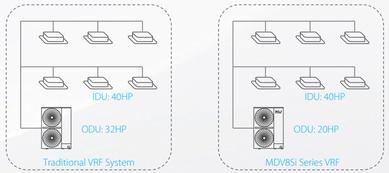
A single outdoor unit supports up to 36 indoor units, freeing up considerable space outside. Use your backyard more wisely with much more space available created by less number of outdoor units.





Wide Combination Ratio

Compared to traditional VRF with combination ratio of 50-130%, the MDV8Si Series VRF can be extended to 50-200%, and the wider combination ratio allows for more flexible system configuration. The larger combination ratio can be applied to long-term part-load operation scenarios, allowing for further reduction in installation costs.



Flexible Piping Design

The total piping length of the MDV8Si system can be up to 560m, the level difference between indoor and outdoor units can be up to 50m and the level difference between indoor units can be up to 30m, making the MDV8Si Series VRF perfectly suitable for all buildings.

	Permitted calue(m)		25.2-61.5kW
Pipe Length	Total Pipe Length(Actual)		560
	Length between the farthest indoor unit and the outdoor unit	Actual Length	150
		Equivalent Length	175
Level difference	Equivalent piping length (from the farthest IDU to the first indoor branch joint/header)		40/90*
	Largest level difference between indoor unit and outdoor unit	Outdoor Unit is above	50
		Outdoor Unit is below	40
	Largest level difference between indoor units		30

*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 dealer for further information.