



MRV5

DC INVERTER



Advanced Technology



High Efficiency



Super Comfort



Easy Installation



- » 093 Features & Benefits
- » 098 MRV 5 Outdoor
- » 109 Dimensions

Why Choose Haier MRV 5 series?

Including MRV 5, MRV 5-H, MRV 5-RC

Large fan
Large diameter fan
Ø700mm



Full DC INVERTER compressor
Large capacity range, Made by Mitsubishi Electric

Smart link

Wireless connection and communication between indoor units.

- Labor saving
- Automatic network connection
- Convenient maintenance
- Stable performance
- Total Cost saving is about 30%

Design of control condenser with electronic expansion valve

The condenser is controlled by two electronic expansion valves respectively, which can reasonably use the heat exchanger area according to the demand of IDU heat exchange temperature, distribute the refrigerant flow according to the load demand, to ensure high-performance heat exchange efficiency.

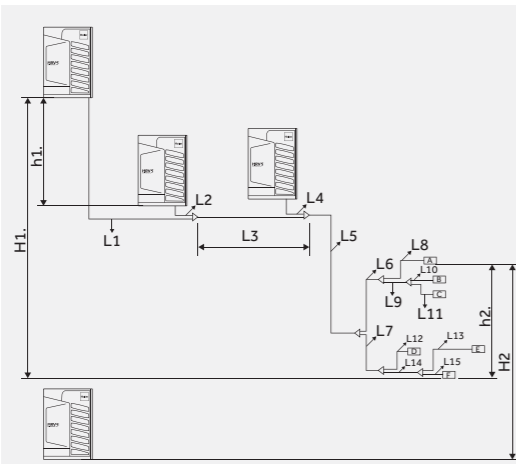
Close the EEV 2 and refrigerants don't flow

* Class 3000 EEV customized for outdoor unit and Class 2000 EEV customized for indoor unit

Advanced Technology

Total pipe length 1000m, height drop 110m

- Max. total pipe length 1000m
 - Max. actual pipe length 220m
 - Max. equivalent pipe length 260m
 - Max. drop between IDU&ODU / 90m (outdoor unit up) / 110m (outdoor unit down)
 - Max. drop between IDU&IDU 30m*
- * If the total pipe length is between 300m and 1100m or the drop between IDU and ODU more than 50m, please contact your local dealer.



	Max. length	Pipe in left figure	
Single way total pipe length (=total liquid pipe length)	1000m	L1+L2+L3+L4+L5+L6+L7+L8+L9+L10+L11+L12+L13+L14+L15	
Single way max. pipe length (max. length between outdoor & indoor) actual length	220m	L1+L3+L5+L7+L14+L13	
Main pipe actual length (length between first gather pipe & first branch pipe)	130m	L5	
Pipe length after first branch pipe (length between first branch & farthest indoor)	90m	L7+L13+L14	
The distance between the nearest indoor unit and the farthest indoor	40m	L13+L14-L12	
Pipe length among outdoor units (length between first gather pipe & farthest outdoor unit)	10m	L1+L3	
Height difference between indoors	18m	h2	
Height difference between outdoors	5m	h1	
Height difference between indoor & outdoor	Indoor below outdoor (between highest outdoor & lowest indoor)	50m	H1
	Indoor above outdoor (between lowest outdoor & highest indoor)	40m	H2

High Efficiency

Supper efficiency with full DC inverter compress

Matches up inverter with step less compressor, the durability and stability of the compressor are guaranteed, fault can be reduced.

Each compressor is adopted oil temperature sensor and the discharge temperature sensor, detecting the discharge temperature and oil temperature of compressor, cooperated with the compressor frequency and the EEV control, to ensure exhaust heat and oil temperature superheat kept within the optimal range. Ensure that the oil dilution is maintained at a safe level at all times.

- Soft scroll plate design, compared with the common scroll plate, it reduce the leakage loss and mechanical loss, more efficiency
- The soft structure and overpressure protection of unloading valve, both of them can effectively reduce stress loss. The compressor is more stable and also efficiency
- Integrated design of support and shell, to ensure the compressor running stably
- We adopted High pressure chamber compressor, and low oil rate structure design, to ensure the reliable oil supply of the compressor, and lubricate all parts effectively
- Adopt new type oil cup design, reduce the disturbance of high speed rotation to oil level, also reduce the oil discharge, improve lubrication efficiency, reduce frictional loss
- Three stage oil return inside the compressor:
 - Gravity oil return
 - Centrifugal oil return
 - Structure shelter oil return

Less movable parts, Less leakage, Precision machining, High efficiency, Low vibration, Long life

Exhaust temperature sensor

Oil temperature sensor

High Efficiency

Speedless inverter DC-motor

Outdoor unit matches efficient variable-speed DC-motor, driven by sine wave, wider efficiency range and torque range, motor efficiency is increased by 17%, air fan of outdoor unit can achieve 0-91Hz stepless frequency.



New one-piece of four-way heat exchanger

Primary four-way heat exchange

Heat exchange area $660 \times 1690 \times 2 = 2.23\text{m}^2$

Common three-way heat exchange

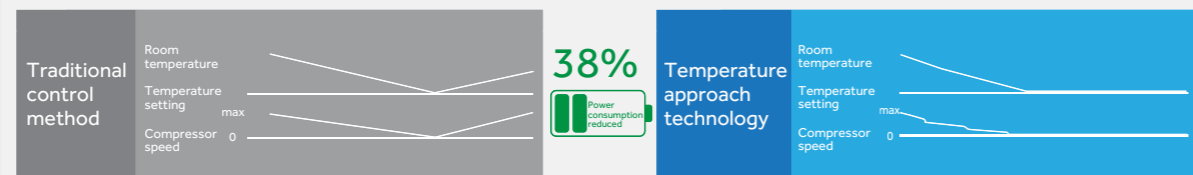
Heat exchange area $1400 \times 1770 = 2.47\text{m}^2$

Heat transfer efficiency increased by 30%

Haier new four-way heat exchanger
Heat exchange area $1260 \times 2294 = 2.89\text{m}^2$

Temperature approaching technology

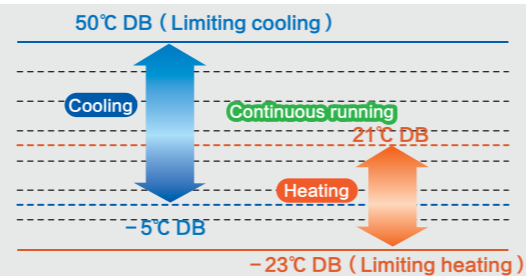
The main problem of an ordinary inverter VRF system lies in that its compressor starts and stops frequently, stopping when the room temperature reaches the setting temperature and restarting when the same becomes higher than the setting temperature. Though the inverter technology has improved such a problem greatly, the energy consumption caused by system restart is still a problem that cannot be ignored. Haier MRV 5 series units adopts the temperature approaching technology, which enables the VRF system to maintain a low-frequency operating state all the time when the room temperature is close to the setting temperature but don't reach the setting temperature, thus avoiding the energy waste caused by frequent on/off.



Super Comfort

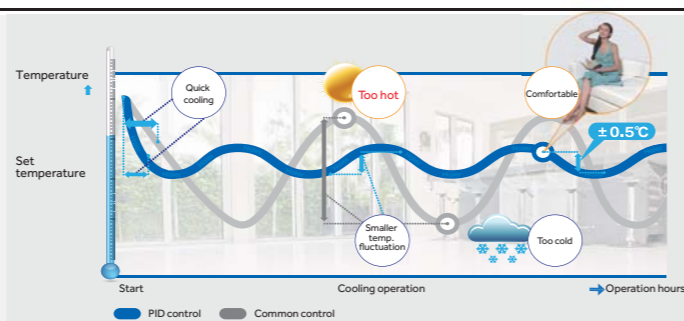
Wide operation temperature

The heating operation temperature can be as low as -23°C , and the heating is more powerful in winter. The cooling operation temperature can reach 50°C , better in summer.



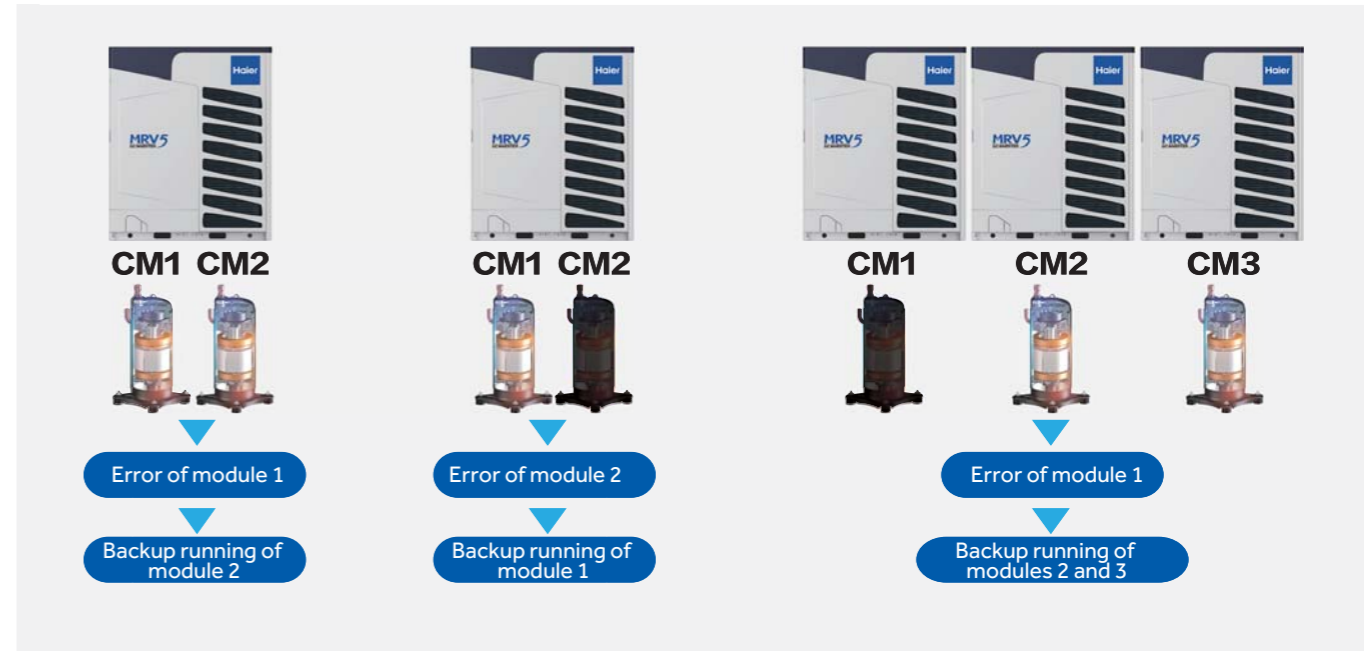
Precise temperature control at $\pm 0.5^{\circ}\text{C}$

With twin pressure sensors and twin EEVS, the refrigerant volume can be adjusted automatically to realize precise temperature control, improving indoor comfort.



Intelligent triple backup operation technology

- For the double-compressor system, when one compressor breakdown, the other compressor can be put into backup operation immediately to ensure the user needs.
- For the multi-module combination, in case of breakdown of one outdoor unit, this unit can be interrupted from the system so that the other modules can continue to operate.
- Super-long backup operation time, which can reach up to 8 hours.



Multiple modes available to meet the needs of different users

- Operation mode:** Cooling priority, heating priority, cooling only, heating only, and VIP priority
- Silent mode:** Seven-position silent mode available (nighttime silent mode and six-position silent mode)
- Static pressure mode:** No static pressure mode, low static pressure mode, medium static pressure mode, and high static pressure mode

Easy Installation

Rotary electric control box design

Rotary electric control box design, while maintaining the internal space, maintainers only need to rotate the box, do not need to dismantle the box, easy and fast maintenance.



- Advanced Technology
- High Efficiency
- Super Comfort
- Easy Installation

Easy Installation

4-way pipe connection

You can freely choose the front, back, left side, right side of the unit to connect the pipe, easy to install and design



Auto addressing indoor units

The ODU can automatically address to the indoor unit through the module on PCB, and the controller can search and set the address of the indoor unit, more convenient.



110Pa external static pressure design

The static pressure of the air outlet is up to 110Pa, which can meet the cooling effect of the layered arrangement of the outdoor unit.



Automatic oil balancing

Without oil balancing pipe, the oil is balanced automatically. This simplifies system design and improves reliability.



Piping refrigerant storage technology

Advanced refrigerant control technology, the refrigerant is stored in the indoor and outdoor machine piping, remove the high pressure tank, less refrigerant filling in unit, high efficiency.



Automatic snow clearing and dust removal function

According to the ash accumulation on the outdoor heat exchanger, the unit will blow away the dust, according to the reverse operation of the fan.



3/380~415/50/60

Model		AV08IMVEVS	AV10IMVEVS	AV12IMVEVS	AV14IMVEVS	AV16IMVEVS		
Combination model		/	/	/	/	/		
		/	/	/	/	/		
		/	/	/	/	/		
		/	/	/	/	/		
Capacity	Capacity range	HP	8	10	12	14	16	
	Cooling	kW	25.2	28.0	33.5	40.0	45.0	
	Heating	kW	27.0	31.5	37.5	45.0	50.0	
Electrical parameters	Power supply	Ph/V/Hz	3/380-415/50/60	3/380-415/50/60	3/380-415/50/60	3/380-415/50/60	3/380-415/50/60	
	Cooling	Rated power input	kW	5.60	6.80	8.40	10.90	11.80
		Max power input	kW	12.000	12.900	13.800	16.400	19.200
		Rated current	A	9.45	11.48	14.18	18.40	19.92
		Max current	A	20.26	21.78	23.30	27.69	32.41
	Heating	Rated power input	kW	5.20	6.30	8.00	10.30	11.20
		Max power input	kW	10.90	12.20	12.50	15.10	18.40
		Rated current	A	8.78	10.64	13.51	17.39	18.91
		Max current	A	18.40	20.60	21.10	25.49	31.06
		EER		4.50	4.12	3.99	3.67	3.81
		COP		5.19	5.00	4.69	4.37	4.46
	Performance	Air flow (H)		11000	11000	12000	13500	13500
Sound pressure level (H)			56	56	59	59	60	
Sound power level (H)		m ³ /h	67	67	70	70	71	
Installation	External dimensions(W/D/H)	dB(A)	980/750/1690					
	Shipping dimensions(W/D/H)	dB(A)	1070/850/1858					
	Net/Shipping weight	mm	224/250		244/270			
	Compressor type	mm	DC INV. SCROLL	DC INV. SCROLL	DC INV. SCROLL	DC INV. SCROLL	DC INV. SCROLL	
	Compressor brand	kg	DC INV. SCROLL	DC INV. SCROLL	DC INV. SCROLL	DC INV. SCROLL	DC INV. SCROLL	
	Compressor quantity		DC INV. SCROLL	DC INV. SCROLL	DC INV. SCROLL	DC INV. SCROLL	DC INV. SCROLL	
	Refrigerant type		DC INV. SCROLL	DC INV. SCROLL	DC INV. SCROLL	DC INV. SCROLL	DC INV. SCROLL	
	Refrigerant charge	kg	DC INV. SCROLL	DC INV. SCROLL	DC INV. SCROLL	DC INV. SCROLL	DC INV. SCROLL	
	Refrigerant liquid pipe	mm	DC INV. SCROLL	DC INV. SCROLL	DC INV. SCROLL	DC INV. SCROLL	DC INV. SCROLL	
	Refrigerant gas pipe	mm	DC INV. SCROLL	DC INV. SCROLL	DC INV. SCROLL	DC INV. SCROLL	DC INV. SCROLL	
	Max.total pipe lenth	m	DC INV. SCROLL	DC INV. SCROLL	DC INV. SCROLL	DC INV. SCROLL	DC INV. SCROLL	
	Max. pipe length (Equivalent/Actual)	m	DC INV. SCROLL	DC INV. SCROLL	DC INV. SCROLL	DC INV. SCROLL	DC INV. SCROLL	
	Max drop between I.U.&O.U. (O.U. down/up) *1	m	DC INV. SCROLL	DC INV. SCROLL	DC INV. SCROLL	DC INV. SCROLL	DC INV. SCROLL	
	Standard drop between I.U.&O.U. (O.U. up/down) *2	m	DC INV. SCROLL	DC INV. SCROLL	DC INV. SCROLL	DC INV. SCROLL	DC INV. SCROLL	
	Max drop between I.U. *3	m	DC INV. SCROLL	DC INV. SCROLL	DC INV. SCROLL	DC INV. SCROLL	DC INV. SCROLL	
	Standard drop between I.U. *4	m	DC INV. SCROLL	DC INV. SCROLL	DC INV. SCROLL	DC INV. SCROLL	DC INV. SCROLL	
	External static pressure	Pa	DC INV. SCROLL	DC INV. SCROLL	DC INV. SCROLL	DC INV. SCROLL	DC INV. SCROLL	
	Connection ratio	Connectable indoor unit ratio	%	50-130	50-130	50-130	50-130	50-130
Maximum number of indoor units			13	16	20	24	27	
Working temp.	Cooling	°C	-5-50					
	Heating	°C	-23-21					

Max drop between I.U.&O.U. *1
Standard drop between I.U.&O.U. *2
Max drop between I.U. *3
Standard drop between I.U. *4
* All the specifications are tested under nominal condition (cooling, indoor temp. is 27°C DB/19°C WB, outdoor temp 35°C DB/24°C WB; heating, indoor temp. is 20°C DB, outdoor temp. is 7°C DB/6°C WB)

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3/380~415/50/60



AV08IMVEVS
AV10IMVEVS
AV12IMVEVS
AV14IMVEVS
AV16IMVEVS



AV18IMVEVS
AV20IMVEVS
AV22IMVEVS
AV24IMVEVS
AV26IMVEVS

- Full DC inverter compressors
- Maximum Single module 26HP
- Maximum combination 104HP
- Total pipe length 1000m
- Height drop 110 m

Model			AV18IMVEVS	AV20IMVEVS	AV22IMVEVS	AV24IMVEVS	AV26IMVEVS	
Combination model			/	/	/	/	/	
			/	/	/	/	/	
			/	/	/	/	/	
			/	/	/	/	/	
Capacity	Capacity range	HP	18	20	22	24	26	
	Cooling	kW	50.4	56.0	61.5	68.0	73.5	
	Heating	kW	56.5	61.5	69.0	73.0	82.5	
Electrical parameters	Power supply	Ph/V/Hz	3/380-415/50/60	3/380-415/50/60	3/380-415/50/60	3/380-415/50/60	3/380-415/50/60	
	Cooling	Rated power input	kW	14.30	15.10	16.50	17.60	18.80
		Max power input	kW	21.400	25.100	28.500	29.100	33.000
		Rated current	A	24.14	25.49	27.86	29.71	31.74
		Max current	A	36.13	42.37	48.11	49.13	55.80
	Heating	Rated power input	kW	13.40	14.60	15.40	16.80	17.70
		Max power input	kW	17.70	22.70	25.50	26.50	30.40
		Rated current	A	22.62	24.65	26.00	28.36	29.88
		Max current	A	29.88	38.32	43.05	44.74	51.32
	EER		3.52	3.71	3.73	3.86	3.91	
	COP		4.22	4.21	4.48	4.35	4.66	
	Performance	Air flow (H)		17000	17000	18000	18000	19000
		Sound pressure level (H)		61	61	61	62	62
Sound power level (H)		m ³ /h	72	72	72	73	73	
Installation	External dimensions(W/D/H)	dB(A)	1410/750/1690					
	Shipping dimensions(W/D/H)	dB(A)	1515/850/1858					
	Net/Shipping weight	mm	287/317	370/400				
	Compressor type	mm	DC INV. SCROLL	DC INV. SCROLL	DC INV. SCROLL	DC INV. SCROLL	DC INV. SCROLL	
	Compressor brand	kg	MITSUBISHI ELECTRIC	MITSUBISHI ELECTRIC	MITSUBISHI ELECTRIC	MITSUBISHI ELECTRIC	MITSUBISHI ELECTRIC	
	Compressor quantity		1INV	2INV	2INV	2INV	2INV	
	Refrigerant type		R410A	R410A	R410A	R410A	R410A	
	Refrigerant charge	kg	10	10	10	10	10	
	Refrigerant liquid pipe	mm	15.88	15.88	15.88	15.88	15.88	
	Refrigerant gas pipe	mm	28.58	28.58	28.58	28.58	28.58	
	Max.total pipe lenth	m	1000	1000	1000	1000	1000	
	Max. pipe length (Equivalent/Actual)	m	260/220	260/220	260/220	260/220	260/220	
	Max drop between I.U.&O.U. (O.U. down/up) *1	m	110/90	110/90	110/90	110/90	110/90	
	Standard drop between I.U.&O.U. (O.U. up/down) *2	m	50/40	50/40	50/40	50/40	50/40	
	Max drop between I.U. *3	m	30	30	30	30	30	
	Standard drop between I.U. *4	m	18	18	18	18	18	
	External static pressure	Pa	110	110	110	110	110	
	Connection ratio	Connectable indoor unit ratio	%	50-130	50-130	50-130	50-130	50-130
		Maximum number of indoor units		30	33	36	40	43
	Working temp.	Cooling	°C	-5-50				
Heating		°C	-23-21					

Max drop between I.U.&O.U. *1 If the height difference between the outdoor and the indoor units is from 50 to 110m, you MUST contact your local distributor/dealer for individual design and production.
Standard design and production in the factory.
Max drop between I.U. & O.U. *2 If the height difference between the indoor units is from 18 to 30m, you MUST contact your local distributor/dealer for individual design and production.
Standard design and production in the factory.
Max drop between I.U. *3 Standard design and production in the factory.
Max drop between I.U. *4 Standard design and production in the factory.
* All the specifications are tested under nominal condition (in cooling, indoor temp. is 27°C DB/19°C WB, Outdoor temp 35°C DB/24WB in heating, indoor temp. is 20°C DB in heating, outdoor temp. is 7°C DB/6°C WB)

Model			AV28IMVEVS	AV30IMVEVS	AV32IMVEVS	AV34IMVEVS	
Combination model			AV14IMVEVS	AV14IMVEVS	AV16IMVEVS	AV16IMVEVS	
			AV14IMVEVS	AV16IMVEVS	AV16IMVEVS	AV18IMVEVS	
			/	/	/	/	
			/	/	/	/	
Capacity	Capacity range	HP	28	30	32	34	
	Cooling	kW	80.0	85.0	90.0	95.4	
	Heating	kW	90.0	95.0	100.0	106.5	
Electrical parameters	Power supply	Ph/V/Hz	3/380-415/50/60	3/380-415/50/60	3/380-415/50/60	3/380-415/50/60	
	Cooling	Rated power input	kW	21.80	22.70	23.60	26.10
		Max power input	kW	32.800	35.600	38.400	40.600
		Rated current	A	36.80	38.32	39.84	44.06
		Max current	A	55.37	60.10	64.83	68.54
	Heating	Rated power input	kW	20.60	21.50	22.40	24.60
		Max power input	kW	30.20	33.50	36.80	36.10
		Rated current	A	34.78	36.30	37.82	41.53
		Max current	A	50.98	56.55	62.13	60.94
	EER		3.67	3.74	3.81	3.66	
	COP		4.37	4.42	4.46	4.33	
	Performance	Air flow (H)		27000	27000	27000	30500
		Sound pressure level (H)		62	62.5	63	63.5
Sound power level (H)		m ³ /h	73	73.5	74	74.5	
Installation	External dimensions(W/D/H)	dB(A)	980/750/1690+980/750/1690			980/750/1690+1410/750/1690	
	Shipping dimensions(W/D/H)	dB(A)	1070/850/1858+1070/850/1858			1070/850/1858+1515/850/1858	
	Net/Shipping weight	mm	244/270+244/270	244/270+244/270		244/270+287/317	
	Compressor type	mm	DC INV. SCROLL	DC INV. SCROLL	DC INV. SCROLL	DC INV. SCROLL	
	Compressor brand	kg	MITSUBISHI ELECTRIC	MITSUBISHI ELECTRIC	MITSUBISHI ELECTRIC	MITSUBISHI ELECTRIC	
	Compressor quantity		2INV	2INV	2INV	2INV	
	Refrigerant type		R410A	R410A	R410A	R410A	
	Refrigerant charge	kg	20	20	20	20	
	Refrigerant liquid pipe	mm	15.88	19.05	19.05	19.05	
	Refrigerant gas pipe	mm	28.58	31.8	31.8	31.8	
	Max.total pipe lenth	m	1000	1000	1000	1000	
	Max. pipe length (Equivalent/Actual)	m	260/220	260/220	260/220	260/220	
	Max drop between I.U.&O.U. (O.U. down/up) *1	m	110/90	110/90	110/90	110/90	
	Standard drop between I.U.&O.U. (O.U. up/down) *2	m	50/40	50/40	50/40	50/40	
	Max drop between I.U. *3	m	30	30	30	30	
	Standard drop between I.U. *4	m	18	18	18	18	
	External static pressure	Pa	110	110	110	110	
	Connection ratio	Connectable indoor unit ratio	%	50-130	50-130	50-130	50-130
		Maximum number of indoor units		47	50	53	56
	Working temp.	Cooling	°C	-5-50			
Heating		°C	-23-21				

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Standard design and production in the factory.
Max drop between I.U. & O.U. *2 If the height difference between the indoor units is from 18 to 30m, you MUST contact your local distributor/dealer for individual design and production.
Standard design and production in the factory.
Max drop between I.U. *3 Standard design and production in the factory.
Max drop between I.U. *4 Standard design and production in the factory.
* All the specifications are tested under nominal condition (in cooling, indoor temp. is 27°C DB/19°C WB, Outdoor temp 35°C DB/24WB in heating, indoor temp. is 20°C DB in heating, outdoor temp. is 7°C DB/6°C WB)



3/380~415/50/60



AV08IMVEVS
AV10IMVEVS
AV12IMVEVS
AV14IMVEVS
AV16IMVEVS



AV18IMVEVS
AV20IMVEVS
AV22IMVEVS
AV24IMVEVS
AV26IMVEVS

- Full DC inverter compressors
- Maximum Single module 26HP
- Maximum combination 104HP
- Total pipe length 1000m
- Height drop 110 m

Model			AV36IMVEVS	AV38IMVEVS	AV40IMVEVS	AV42IMVEVS	AV44IMVEVS		
Combination model			AV18IMVEVS	AV18IMVEVS	AV20IMVEVS	AV20IMVEVS	AV22IMVEVS		
			AV18IMVEVS	AV20IMVEVS	AV20IMVEVS	AV22IMVEVS	AV22IMVEVS		
			/	/	/	/	/		
			/	/	/	/	/		
Capacity	Capacity range	HP	36	38	40	42	44		
	Cooling	kW	100.8	106.4	112.0	117.5	123.0		
	Heating	kW	113.0	118.0	123.0	130.5	138.0		
Electrical parameters	Power supply		Ph/V/Hz	3/380-415/50/60	3/380-415/50/60	3/380-415/50/60	3/380-415/50/60	3/380-415/50/60	
	Cooling	Rated power input	kW	28.60	29.40	30.20	31.60	33.00	
		Max power input	kW	42.800	46.500	50.200	53.60	57.00	
		Rated current	A	48.28	49.63	50.98	53.35	55.71	
		Max current	A	72.26	78.50	84.75	90.49	96.23	
	Heating	Rated power input	kW	26.80	28.00	29.20	30.00	30.80	
		Max power input	kW	35.40	40.40	45.40	48.20	51.00	
		Rated current	A	45.24	47.27	49.30	50.65	52.00	
		Max current	A	59.76	68.20	76.64	81.37	86.10	
	EER			3.52	3.62	3.71	3.72	3.73	
	COP			4.22	4.21	4.21	4.35	4.48	
	Performance	Air flow (H)			34000	34000	34000	35000	36000
		Sound pressure level (H)			64	64	64	64	64
Sound power level (H)		m ³ /h	75	75	75	75	75		
Installation	External dimensions(W/D/H)		dB(A)	1410/750/1690+1410/750/1690					
	Shipping dimensions(W/D/H)		dB(A)	1515/850/1858+1515/850/1858					
	Net/Shipping weight		mm	287/317+287/317	287/317+370/400	370/400+370/400			
	Compressor type		mm	DC INV. SCROLL	DC INV. SCROLL	DC INV. SCROLL	DC INV. SCROLL	DC INV. SCROLL	
	Compressor brand		kg	MITSUBISHI ELECTRIC	MITSUBISHI ELECTRIC	MITSUBISHI ELECTRIC	MITSUBISHI ELECTRIC	MITSUBISHI ELECTRIC	
	Compressor quantity			2INV	3INV	4INV	4INV	4INV	
	Refrigerant type			R410A	R410A	R410A	R410A	R410A	
	Refrigerant charge		kg	20	20	20	20	20	
	Refrigerant liquid pipe		mm	19.05	19.05	19.05	19.05	19.05	
	Refrigerant gas pipe		mm	38.1	38.1	38.1	38.1	38.1	
	Max.total pipe lenth		m	1000	1000	1000	1000	1000	
	Max. pipe length (Equivalent/Actual)		m	260/220	260/220	260/220	260/220	260/220	
	Max drop between I.U.&O.U. (O.U. down/up) *1		m	110/90	110/90	110/90	110/90	110/90	
	Standard drop between I.U.&O.U. (O.U. up/down) *2		m	50/40	50/40	50/40	50/40	50/40	
	Max drop between I.U. *3		m	30	30	30	30	30	
	Standard drop between I.U. *4		m	18	18	18	18	18	
	External static pressure		Pa	110	110	110	110	110	
Connection ratio	Connectable indoor unit ratio		%	50-130	50-130	50-130	50-130		
	Maximum number of indoor units			59	63	64	64		
Working temp.	Cooling		°C	-5-50					
	Heating		°C	-23-21					

Max drop between I.U.&O.U. *1 If the height difference between the outdoor and the indoor units is from 50 to 110m, you MUST contact your local distributor/dealer for individual design and production.
Standard design and production in the factory.
Max drop between I.U.&O.U. *2 If the height difference between the indoor units is from 18 to 30m, you MUST contact your local distributor/dealer for individual design and production.
Standard design and production in the factory.
Max drop between I.U. *3
Max drop between I.U. *4
* All the specifications are tested under nominal condition (in cooling, indoor temp. is 27°C DB/19°C WB, Outdoor temp 35°C DB/24WB in heating, indoor temp. is 20°C DB in heating, outdoor temp. is 7°C DB/6°CWB)

Model			AV46IMVEVS	AV48IMVEVS	AV50IMVEVS	AV52IMVEVS		
Combination model			AV22IMVEVS	AV24IMVEVS	AV24IMVEVS	AV26IMVEVS		
			AV24IMVEVS	AV24IMVEVS	AV26IMVEVS	AV26IMVEVS		
			/	/	/	/		
			/	/	/	/		
Capacity	Capacity range	HP	46	48	50	52		
	Cooling	kW	129.5	136.0	141.5	147.0		
	Heating	kW	142.0	146.0	155.5	165.0		
Electrical parameters	Power supply		Ph/V/Hz	3/380-415/50/60	3/380-415/50/60	3/380-415/50/60	3/380-415/50/60	
	Cooling	Rated power input	kW	34.10	35.20	36.40	37.60	
		Max power input	kW	57.60	58.20	62.10	66.00	
		Rated current	A	57.57	59.42	61.45	63.48	
		Max current	A	97.24	98.25	104.93	111.60	
	Heating	Rated power input	kW	32.20	33.60	34.50	35.40	
		Max power input	kW	52.00	53.00	56.90	60.80	
		Rated current	A	54.36	56.72	58.24	59.76	
		Max current	A	87.79	89.48	96.06	102.64	
	EER			3.80	3.86	3.89	3.91	
	COP			4.41	4.35	4.51	4.66	
	Performance	Air flow (H)			36000	36000	37000	38000
		Sound pressure level (H)			64.5	65	65	65
Sound power level (H)		m ³ /h	76	76	76	76		
Installation	External dimensions(W/D/H)		dB(A)	1410/750/1690+1410/750/1690				
	Shipping dimensions(W/D/H)		dB(A)	1515/850/1858+1515/850/1858				
	Net/Shipping weight		mm	370/400+370/400				
	Compressor type		mm	DC INV. SCROLL	DC INV. SCROLL	DC INV. SCROLL	DC INV. SCROLL	
	Compressor brand		kg	MITSUBISHI ELECTRIC	MITSUBISHI ELECTRIC	MITSUBISHI ELECTRIC	MITSUBISHI ELECTRIC	
	Compressor quantity			4INV	4INV	4INV	4INV	
	Refrigerant type			R410A	R410A	R410A	R410A	
	Refrigerant charge		kg	20	20	20	20	
	Refrigerant liquid pipe		mm	19.05	19.05	19.05	19.05	
	Refrigerant gas pipe		mm	38.1	38.1	38.1	38.1	
	Max.total pipe lenth		m	1000	1000	1000	1000	
	Max. pipe length (Equivalent/Actual)		m	260/220	260/220	260/220	260/220	
	Max drop between I.U.&O.U. (O.U. down/up) *1		m	110/90	110/90	110/90	110/90	
	Standard drop between I.U.&O.U. (O.U. up/down) *2		m	50/40	50/40	50/40	50/40	
	Max drop between I.U. *3		m	30	30	30	30	
	Standard drop between I.U. *4		m	18	18	18	18	
	External static pressure		Pa	110	110	110	110	
Connection ratio	Connectable indoor unit ratio		%	50-130	50-130	50-130	50-130	
	Maximum number of indoor units			64	64	64	64	
Working temp.	Cooling		°C	-5-50				
	Heating		°C	-23-21				

Max drop between I.U.&O.U. *1 If the height difference between the outdoor and the indoor units is from 50 to 110m, you MUST contact your local distributor/dealer for individual design and production.
Standard design and production in the factory.
Max drop between I.U. *3
Max drop between I.U. *4
* All the specifications are tested under nominal condition (in cooling, indoor temp. is 27°C DB/19°C WB, Outdoor temp 35°C DB/24WB in heating, indoor temp. is 20°C DB in heating, outdoor temp. is 7°C DB/6°CWB)

3/380~415/50/60



AV08IMVEVS
AV10IMVEVS
AV12IMVEVS
AV14IMVEVS
AV16IMVEVS



AV18IMVEVS
AV20IMVEVS
AV22IMVEVS
AV24IMVEVS
AV26IMVEVS

- Full DC inverter compressors
- Maximum Single module 26HP
- Maximum combination 104HP
- Total pipe length 1000m
- Height drop 110 m

Model			AV54IMVEVS	AV56IMVEVS	AV58IMVEVS	AV60IMVEVS	
Combination model			AV18IMVEVS	AV18IMVEVS	AV18IMVEVS	AV20IMVEVS	
			AV18IMVEVS	AV18IMVEVS	AV20IMVEVS	AV20IMVEVS	
			AV18IMVEVS	AV20IMVEVS	AV20IMVEVS	AV20IMVEVS	
			/	/	/	/	
Capacity	Capacity range	HP	54	56	58	60	
	Cooling	kW	151.2	156.8	162.4	168.0	
	Heating	kW	169.5	174.5	179.5	184.5	
Electrical parameters	Power supply	Ph/V/Hz	3/380-415/50/60	3/380-415/50/60	3/380-415/50/60	3/380-415/50/60	
	Cooling	Rated power input	kW	42.90	43.70	44.50	45.30
		Max power input	kW	64.20	67.90	71.60	75.30
		Rated current	A	72.42	73.77	75.13	76.48
		Max current	A	108.38	114.63	120.88	127.12
	Heating	Rated power input	kW	40.20	41.40	42.60	43.80
		Max power input	kW	53.10	58.10	63.10	68.10
		Rated current	A	67.87	69.89	71.92	73.94
		Max current	A	89.64	98.08	106.53	114.97
	EER		3.52	3.59	3.65	3.71	
	COP		4.22	4.21	4.21	4.21	
	Performance	Air flow (H)		51000	51000	51000	51000
		Sound pressure level (H)		65.8	65.8	65.8	65.8
Sound power level (H)		m ³ /h	76.5	76.5	76.5	76.5	
Installation	External dimensions(W/D/H)	dB(A)	1410/750/1690+1410/750/1690+1410/750/1690				
	Shipping dimensions(W/D/H)	dB(A)	1515/850/1858+1515/850/1858+1515/850/1858				
	Net/Shipping weight	mm	287/317+287/317+287/317	287/317+287/317+370/400	287/317+370/400+370/400	370/400+370/400+370/400	
	Compressor type	mm	DC INV. SCROLL	DC INV. SCROLL	DC INV. SCROLL	DC INV. SCROLL	
	Compressor brand	kg	MITSUBISHI ELECTRIC	MITSUBISHI ELECTRIC	MITSUBISHI ELECTRIC	MITSUBISHI ELECTRIC	
	Compressor quantity		3INV	4INV	5INV	6INV	
	Refrigerant type		R410A	R410A	R410A	R410A	
	Refrigerant charge	kg	30	30	30	30	
	Refrigerant liquid pipe	mm	19.05	19.05	19.05	19.05	
	Refrigerant gas pipe	mm	38.1	38.1	41.3	41.3	
	Max.total pipe lenth	m	1000	1000	1000	1000	
	Max. pipe length (Equivalent/Actual)	m	260/220	260/220	260/220	260/220	
	Max drop between I.U.&O.U. (O.U. down/up) *1	m	110/90	110/90	110/90	110/90	
	Standard drop between I.U.&O.U. (O.U. up/down) *2	m	50/40	50/40	50/40	50/40	
	Max drop between I.U. *3	m	30	30	30	30	
	Standard drop between I.U. *4	m	18	18	18	18	
	External static pressure	Pa	110	110	110	110	
Connection ratio	Connectable indoor unit ratio	%	50-130	50-130	50-130	50-130	
	Maximum number of indoor units		64	64	64	64	
Working temp.	Cooling	°C	-5-50				
	Heating	°C	-23-21				

Max drop between I.U.&O.U. *1 If the height difference between the outdoor and the indoor units is from 50 to 110m, you MUST contact your local distributor/dealer for individual design and production.
Standard design and production in the factory.
Max drop between I.U. & O.U. *2
If the height difference between the indoor units is from 18 to 30m, you MUST contact your local distributor/dealer for individual design and production.
Standard design and production in the factory.
Max drop between I.U. *3
Standard design and production in the factory.
Max drop between I.U. *4
Standard design and production in the factory.
* All the specifications are tested under nominal condition (in cooling, indoor temp. is 27°C DB/19°C WB, Outdoor temp. 35°C DB/24WB in heating, indoor temp. is 20°C DB in heating, outdoor temp. is 7°C DB/6°C WB)

Model			AV62IMVEVS	AV64IMVEVS	AV66IMVEVS	AV68IMVEVS	
Combination model			AV22IMVEVS	AV22IMVEVS	AV22IMVEVS	AV22IMVEVS	
			AV20IMVEVS	AV22IMVEVS	AV22IMVEVS	AV22IMVEVS	
			AV20IMVEVS	AV20IMVEVS	AV22IMVEVS	AV24IMVEVS	
			/	/	/	/	
Capacity	Capacity range	HP	62	64	66	68	
	Cooling	kW	173.5	179.0	184.5	191.0	
	Heating	kW	192.0	199.5	207.0	211.0	
Electrical parameters	Power supply	Ph/V/Hz	3/380-415/50/60	3/380-415/50/60	3/380-415/50/60	3/380-415/50/60	
	Cooling	Rated power input	kW	46.70	48.10	49.50	50.60
		Max power input	kW	78.70	82.10	85.50	86.10
		Rated current	A	78.84	81.20	83.57	85.42
		Max current	A	132.86	138.60	144.34	145.35
	Heating	Rated power input	kW	44.60	45.40	46.20	47.60
		Max power input	kW	70.90	73.70	76.50	77.50
		Rated current	A	75.29	76.64	78.00	80.36
		Max current	A	119.69	124.42	129.15	130.84
	EER		3.72	3.72	3.73	3.77	
	COP		4.30	4.39	4.48	4.43	
	Performance	Air flow (H)		52000	53000	54000	54000
		Sound pressure level (H)		65.8	65.8	65.8	66
Sound power level (H)		m ³ /h	76.5	76.5	76.5	77	
Installation	External dimensions(W/D/H)	dB(A)	1410/750/1690+1410/750/1690+1410/750/1690				
	Shipping dimensions(W/D/H)	dB(A)	1515/850/1858+1515/850/1858+1515/850/1858				
	Net/Shipping weight	mm	370/400+370/400+370/400				
	Compressor type	mm	DC INV. SCROLL	DC INV. SCROLL	DC INV. SCROLL	DC INV. SCROLL	
	Compressor brand	kg	MITSUBISHI ELECTRIC	MITSUBISHI ELECTRIC	MITSUBISHI ELECTRIC	MITSUBISHI ELECTRIC	
	Compressor quantity		6INV	6INV	6INV	6INV	
	Refrigerant type		R410A	R410A	R410A	R410A	
	Refrigerant charge	kg	30	30	30	30	
	Refrigerant liquid pipe	mm	19.05	19.05	19.05	22.2	
	Refrigerant gas pipe	mm	41.3	41.3	41.3	44.5	
	Max.total pipe lenth	m	1000	1000	1000	1000	
	Max. pipe length (Equivalent/Actual)	m	260/220	260/220	260/220	260/220	
	Max drop between I.U.&O.U. (O.U. down/up) *1	m	110/90	110/90	110/90	110/90	
	Standard drop between I.U.&O.U. (O.U. up/down) *2	m	50/40	50/40	50/40	50/40	
	Max drop between I.U. *3	m	30	30	30	30	
	Standard drop between I.U. *4	m	18	18	18	18	
	External static pressure	Pa	110	110	110	110	
Connection ratio	Connectable indoor unit ratio	%	50-130	50-130	50-130	50-130	
	Maximum number of indoor units		64	64	64	64	
Working temp.	Cooling	°C	-5-50				
	Heating	°C	-23-21				

Max drop between I.U.&O.U. *1 If the height difference between the outdoor and the indoor units is from 50 to 110m, you MUST contact your local distributor/dealer for individual design and production.
Standard design and production in the factory.
Max drop between I.U. & O.U. *2
If the height difference between the indoor units is from 18 to 30m, you MUST contact your local distributor/dealer for individual design and production.
Standard design and production in the factory.
Max drop between I.U. *3
Standard design and production in the factory.
Max drop between I.U. *4
Standard design and production in the factory.
* All the specifications are tested under nominal condition (in cooling, indoor temp. is 27°C DB/19°C WB, Outdoor temp. 35°C DB/24WB in heating, indoor temp. is 20°C DB in heating, outdoor temp. is 7°C DB/6°C WB)



3/380~415/50/60



AV08IMVEVS
AV10IMVEVS
AV12IMVEVS
AV14IMVEVS
AV16IMVEVS



AV18IMVEVS
AV20IMVEVS
AV22IMVEVS
AV24IMVEVS
AV26IMVEVS

- Full DC inverter compressors
- Maximum Single module 26HP
- Maximum combination 104HP
- Total pipe length 1000m
- Height drop 110 m

Model			AV70IMVEVS	AV72IMVEVS	AV74IMVEVS	AV76IMVEVS	AV78IMVEVS	
Combination model			AV22IMVEVS	AV24IMVEVS	AV26IMVEVS	AV26IMVEVS	AV26IMVEVS	
			AV24IMVEVS	AV24IMVEVS	AV24IMVEVS	AV26IMVEVS	AV26IMVEVS	
			AV24IMVEVS	AV24IMVEVS	AV24IMVEVS	AV24IMVEVS	AV26IMVEVS	
			/	/	/	/	/	
Capacity	Capacity range	HP	70	72	74	76	78	
	Cooling	kW	197.5	204.0	209.5	215.0	220.5	
	Heating	kW	215.0	219.0	228.5	238.0	247.5	
Electrical parameters	Power supply		Ph/V/Hz	3/380-415/50/60	3/380-415/50/60	3/380-415/50/60	3/380-415/50/60	
	Cooling	Rated power input	kW	51.70	52.80	54.00	55.20	56.40
		Max power input	kW	86.70	87.30	91.20	95.10	99.00
		Rated current	A	87.28	89.14	91.16	93.19	95.21
		Max current	A	146.37	147.38	154.05	160.73	167.40
		Rated power input	kW	49.00	50.40	51.30	52.20	53.10
	Heating	Max power input	kW	78.50	79.50	83.40	87.30	91.20
		Rated current	A	82.72	85.09	86.61	88.12	89.64
		Max current	A	132.52	134.21	140.80	147.38	153.96
	EER			3.82	3.86	3.88	3.89	3.91
	COP			4.39	4.35	4.45	4.56	4.66
	Performance	Air flow (H)			54000	54000	55000	56000
		Sound pressure level (H)			66.5	66.8	66.8	66.8
		Sound power level (H)	m ³ /h	77.5	77.8	77.8	77.8	77.7
Installation	External dimensions(W/D/H)		dB(A)	1410/750/1690+1410/750/1690+1410/750/1690				
	Shipping dimensions(W/D/H)		dB(A)	1515/850/1858+1515/850/1858+1515/850/1858				
	Net/Shipping weight		mm	370/400+370/400+370/400				
	Compressor type		mm	DC INV. SCROLL	DC INV. SCROLL	DC INV. SCROLL	DC INV. SCROLL	DC INV. SCROLL
	Compressor brand		kg	MITSUBISHI ELECTRIC	MITSUBISHI ELECTRIC	MITSUBISHI ELECTRIC	MITSUBISHI ELECTRIC	MITSUBISHI ELECTRIC
	Compressor quantity			6INV	6INV	6INV	6INV	6INV
	Refrigerant type			R410A	R410A	R410A	R410A	R410A
	Refrigerant charge		kg	30	30	30	30	30
	Refrigerant liquid pipe		mm	22.2	22.2	22.2	22.2	22.2
	Refrigerant gas pipe		mm	44.5	44.5	44.5	44.5	44.5
	Max.total pipe lenth		m	1000	1000	1000	1000	1000
	Max. pipe length (Equivalent/Actual)		m	260/220	260/220	260/220	260/220	260/220
	Max drop between I.U.&O.U. (O.U. down/up) *1		m	110/90	110/90	110/90	110/90	110/90
	Standard drop between I.U.&O.U. (O.U. up/down) *2		m	50/40	50/40	50/40	50/40	50/40
	Max drop between I.U. *3		m	30	30	30	30	30
	Standard drop between I.U. *4		m	18	18	18	18	18
	External static pressure		Pa	110	110	110	110	110
	Connection ratio	Connectable indoor unit ratio	%	50-130	50-130	50-130	50-130	50-130
		Maximum number of indoor units		64	64	64	64	64
Working temp.	Cooling	°C	-5-50					
	Heating	°C	-23-21					

Max drop between I.U.&O.U. *1 If the height difference between the outdoor and the indoor units is from 50 to 110m, you MUST contact your local distributor/dealer for individual design and production.
Standard design and production in the factory.
Max drop between I.U. & O.U. *2 If the height difference between the indoor units is from 18 to 30m, you MUST contact your local distributor/dealer for individual design and production.
Standard design and production in the factory.
Max drop between I.U. *3 Standard design and production in the factory.
Max drop between I.U. *4 Standard design and production in the factory.
* All the specifications are tested under nominal condition (in cooling, indoor temp. is 27°C DB/19°C WB, Outdoor temp. 35°C DB/24WB in heating, indoor temp. is 20°C DB in heating, outdoor temp. is 7°C DB/6°C WB)

Model			AV80IMVEVS	AV82IMVEVS	AV84IMVEVS	AV86IMVEVS	
Combination model			AV20IMVEVS	AV20IMVEVS	AV20IMVEVS	AV20IMVEVS	
			AV20IMVEVS	AV20IMVEVS	AV20IMVEVS	AV22IMVEVS	
			AV20IMVEVS	AV20IMVEVS	AV22IMVEVS	AV22IMVEVS	
			AV20IMVEVS	AV22IMVEVS	AV22IMVEVS	AV22IMVEVS	
Capacity	Capacity range	HP	80	82	84	86	
	Cooling	kW	224.0	229.5	235.0	240.5	
	Heating	kW	246.0	253.5	261.0	268.5	
Electrical parameters	Power supply		Ph/V/Hz	3/380-415/50/60	3/380-415/50/60	3/380-415/50/60	
	Cooling	Rated power input	kW	60.40	61.80	63.20	64.60
		Max power input	kW	100.40	103.80	107.20	110.60
		Rated current	A	101.97	104.33	106.69	109.06
		Max current	A	169.50	175.24	180.98	186.72
		Rated power input	kW	58.40	59.20	60.00	60.80
	Heating	Max power input	kW	90.80	93.60	96.40	99.20
		Rated current	A	98.59	99.94	101.29	102.64
		Max current	A	153.29	158.02	162.74	167.47
	EER			3.71	3.71	3.72	3.72
	COP			4.21	4.28	4.35	4.42
	Performance	Air flow (H)			68000	69000	70000
		Sound pressure level (H)			67	67	67
		Sound power level (H)	m ³ /h	78	78	78	78
Installation	External dimensions(W/D/H)		dB(A)	1410/750/1690+1410/750/1690+1410/750/1690+1410/750/1690			
	Shipping dimensions(W/D/H)		dB(A)	1515/850/1858+1515/850/1858+1515/850/1858+1515/850/1858			
	Net/Shipping weight		mm	370/400+370/400+370/400+370/400			
	Compressor type		mm	DC INV. SCROLL	DC INV. SCROLL	DC INV. SCROLL	DC INV. SCROLL
	Compressor brand		kg	MITSUBISHI ELECTRIC	MITSUBISHI ELECTRIC	MITSUBISHI ELECTRIC	MITSUBISHI ELECTRIC
	Compressor quantity			8INV	8INV	8INV	8INV
	Refrigerant type			R410A	R410A	R410A	R410A
	Refrigerant charge		kg	40	40	40	40
	Refrigerant liquid pipe		mm	22.2	22.2	22.2	25.4
	Refrigerant gas pipe		mm	44.5	44.5	44.5	50.8
	Max.total pipe lenth		m	1000	1000	1000	1000
	Max. pipe length (Equivalent/Actual)		m	260/220	260/220	260/220	260/220
	Max drop between I.U.&O.U. (O.U. down/up) *1		m	110/90	110/90	110/90	110/90
	Standard drop between I.U.&O.U. (O.U. up/down) *2		m	50/40	50/40	50/40	50/40
	Max drop between I.U. *3		m	30	30	30	30
	Standard drop between I.U. *4		m	18	18	18	18
	External static pressure		Pa	110	110	110	110
	Connection ratio	Connectable indoor unit ratio	%	50-130	50-130	50-130	50-130
		Maximum number of indoor units		64	64	64	64
Working temp.	Cooling	°C	-5-50				
	Heating	°C	-23-21				

Max drop between I.U.&O.U. *1 If the height difference between the outdoor and the indoor units is from 50 to 110m, you MUST contact your local distributor/dealer for individual design and production.
Standard design and production in the factory.
Max drop between I.U. & O.U. *2 If the height difference between the indoor units is from 18 to 30m, you MUST contact your local distributor/dealer for individual design and production.
Standard design and production in the factory.
Max drop between I.U. *3 Standard design and production in the factory.
Max drop between I.U. *4 Standard design and production in the factory.
* All the specifications are tested under nominal condition (in cooling, indoor temp. is 27°C DB/19°C WB, Outdoor temp. 35°C DB/24WB in heating, indoor temp. is 20°C DB in heating, outdoor temp. is 7°C DB/6°C WB)



3/380~415/50/60



AV08IMVEVS
AV10IMVEVS
AV12IMVEVS
AV14IMVEVS
AV16IMVEVS



AV18IMVEVS
AV20IMVEVS
AV22IMVEVS
AV24IMVEVS
AV26IMVEVS

- Full DC inverter compressors
- Maximum Single module 26HP
- Maximum combination 104HP
- Total pipe length 1000m
- Height drop 110 m

Model			AV88IMVEVS	AV90IMVEVS	AV92IMVEVS	AV94IMVEVS	AV96IMVEVS	
Combination model			AV22IMVEVS	AV24IMVEVS	AV24IMVEVS	AV24IMVEVS	AV24IMVEVS	
			AV22IMVEVS	AV22IMVEVS	AV24IMVEVS	AV24IMVEVS	AV24IMVEVS	
			AV22IMVEVS	AV22IMVEVS	AV22IMVEVS	AV24IMVEVS	AV24IMVEVS	
			AV22IMVEVS	AV22IMVEVS	AV22IMVEVS	AV22IMVEVS	AV24IMVEVS	
Capacity	Capacity range	HP	88	90	92	94	96	
	Cooling	kW	246.0	252.5	259.0	265.5	272.0	
	Heating	kW	276.0	280.0	284.0	288.0	292.0	
Electrical parameters	Power supply		Ph/V/Hz	3/380-415/50/60	3/380-415/50/60	3/380-415/50/60	3/380-415/50/60	
	Cooling	Rated power input	kW	66.00	67.10	68.20	69.30	70.40
		Max power input	kW	114.00	114.60	115.20	115.80	116.40
		Rated current	A	111.42	113.28	115.14	116.99	118.85
		Max current	A	192.46	193.47	194.48	195.49	196.51
	Heating	Rated power input	kW	61.60	63.00	64.40	65.80	67.20
		Max power input	kW	102.00	103.00	104.00	105.00	106.00
		Rated current	A	103.99	106.36	108.72	111.08	113.45
		Max current	A	172.20	173.89	175.57	177.26	178.95
	EER			3.73	3.76	3.80	3.83	3.86
	COP			4.48	4.44	4.41	4.38	4.35
	Performance	Air flow (H)			72000	72000	72000	72000
		Sound pressure level (H)			67	67.5	67.5	68
Sound power level (H)		m ³ /h		78	78.5	78.5	78.8	
Installation	External dimensions(W/D/H)		dB(A)	1410/750/1690+1410/750/1690+1410/750/1690+1410/750/1690				
	Shipping dimensions(W/D/H)		dB(A)	1515/850/1858+1515/850/1858+1515/850/1858+1515/850/1858				
	Net/Shipping weight		mm	370/400+370/400+370/400+370/400				
	Compressor type		mm	DC INV. SCROLL	DC INV. SCROLL	DC INV. SCROLL	DC INV. SCROLL	
	Compressor brand		kg	"MITSUBISHI ELECTRIC"	MITSUBISHI ELECTRIC	MITSUBISHI ELECTRIC	MITSUBISHI ELECTRIC	
	Compressor quantity			8INV	8INV	8INV	8INV	
	Refrigerant type			R410A	R410A	R410A	R410A	
	Refrigerant charge		kg	40	40	40	40	
	Refrigerant liquid pipe		mm	25.4	25.4	25.4	25.4	
	Refrigerant gas pipe		mm	50.8	50.8	50.8	50.8	
	Max.total pipe lenth		m	1000	1000	1000	1000	
	Max. pipe length (Equivalent/Actual)		m	260/220	260/220	260/220	260/220	
	Max drop between I.U.&O.U. (O.U. down/up) *1		m	110/90	110/90	110/90	110/90	
	Standard drop between I.U.&O.U. (O.U. up/down) *2		m	50/40	50/40	50/40	50/40	
	Max drop between I.U. *3		m	30	30	30	30	
	Standard drop between I.U. *4		m	18	18	18	18	
	External static pressure		Pa	110	110	110	110	
	Connection ratio	Connectable indoor unit ratio	%	50-130	50-130	50-130	50-130	
		Maximum number of indoor units		64	64	64	64	
	Working temp.	Cooling	°C	-5-50				
Heating		°C	-23-21					

Max drop between I.U.&O.U. *1 If the height difference between the outdoor and the indoor units is from 50 to 110m, you MUST contact your local distributor/dealer for individual design and production.
Standard design and production in the factory.
Max drop between I.U.&O.U. *2 If the height difference between the indoor units is from 18 to 30m, you MUST contact your local distributor/dealer for individual design and production.
Standard design and production in the factory.
Max drop between I.U. *3
Max drop between I.U. *4
* All the specifications are tested under nominal condition(in coding, indoor temp. is 27°C DB/19°C WB, Outdoor temp. 35°C DB/24WB in heating, indoor temp. is 20°C DB in heating, outdoor temp. is 7°C DB/6°CWB)

Model			AV98IMVEVS	AV100IMVEVS	AV102IMVEVS	AV104IMVEVS	
Combination model			AV26IMVEVS	AV26IMVEVS	AV26IMVEVS	AV26IMVEVS	
			AV24IMVEVS	AV26IMVEVS	AV26IMVEVS	AV26IMVEVS	
			AV24IMVEVS	AV24IMVEVS	AV26IMVEVS	AV26IMVEVS	
			AV24IMVEVS	AV24IMVEVS	AV24IMVEVS	AV26IMVEVS	
Capacity	Capacity range	HP	98	100	102	104	
	Cooling	kW	277.5	283.0	288.5	294.0	
	Heating	kW	301.5	311.0	320.5	330.0	
Electrical parameters	Power supply		Ph/V/Hz	3/380-415/50/60	3/380-415/50/60	3/380-415/50/60	
	Cooling	Rated power input	kW	71.60	72.80	74.00	75.20
		Max power input	kW	120.30	124.20	128.10	132.00
		Rated current	A	120.88	122.90	124.93	126.95
		Max current	A	203.18	209.85	216.53	223.20
	Heating	Rated power input	kW	68.10	69.00	69.90	70.80
		Max power input	kW	109.90	113.80	117.70	121.60
		Rated current	A	114.97	116.49	118.01	119.53
		Max current	A	185.53	192.12	198.70	205.29
	EER			3.88	3.89	3.90	3.91
	COP			4.43	4.51	4.59	4.66
	Performance	Air flow (H)			73000	74000	75000
		Sound pressure level (H)			68	68	68
Sound power level (H)		m ³ /h		79	79	79	
Installation	External dimensions(W/D/H)		dB(A)	1410/750/1690+1410/750/1690+1410/750/1690+1410/750/1690			
	Shipping dimensions(W/D/H)		dB(A)	1515/850/1858+1515/850/1858+1515/850/1858+1515/850/1858			
	Net/Shipping weight		mm	370/400+370/400+370/400+370/400			
	Compressor type		mm	DC INV. SCROLL	DC INV. SCROLL	DC INV. SCROLL	DC INV. SCROLL
	Compressor brand		kg	MITSUBISHI ELECTRIC	MITSUBISHI ELECTRIC	MITSUBISHI ELECTRIC	MITSUBISHI ELECTRIC
	Compressor quantity			8INV	8INV	8INV	8INV
	Refrigerant type			R410A	R410A	R410A	R410A
	Refrigerant charge		kg	40	40	40	40
	Refrigerant liquid pipe		mm	25.4	25.4	25.4	25.4
	Refrigerant gas pipe		mm	54.1	54.1	54.1	54.1
	Max.total pipe lenth		m	1000	1000	1000	1000
	Max. pipe length (Equivalent/Actual)		m	260/220	260/220	260/220	260/220
	Max drop between I.U.&O.U. (O.U. down/up) *1		m	110/90	110/90	110/90	110/90
	Standard drop between I.U.&O.U. (O.U. up/down) *2		m	50/40	50/40	50/40	50/40
	Max drop between I.U. *3		m	30	30	30	30
	Standard drop between I.U. *4		m	18	18	18	18
	External static pressure		Pa	110	110	110	110
	Connection ratio	Connectable indoor unit ratio	%	50-130	50-130	50-130	50-130
		Maximum number of indoor units		64	64	64	64
	Working temp.	Cooling	°C	-5-50			
Heating		°C	-23-21				

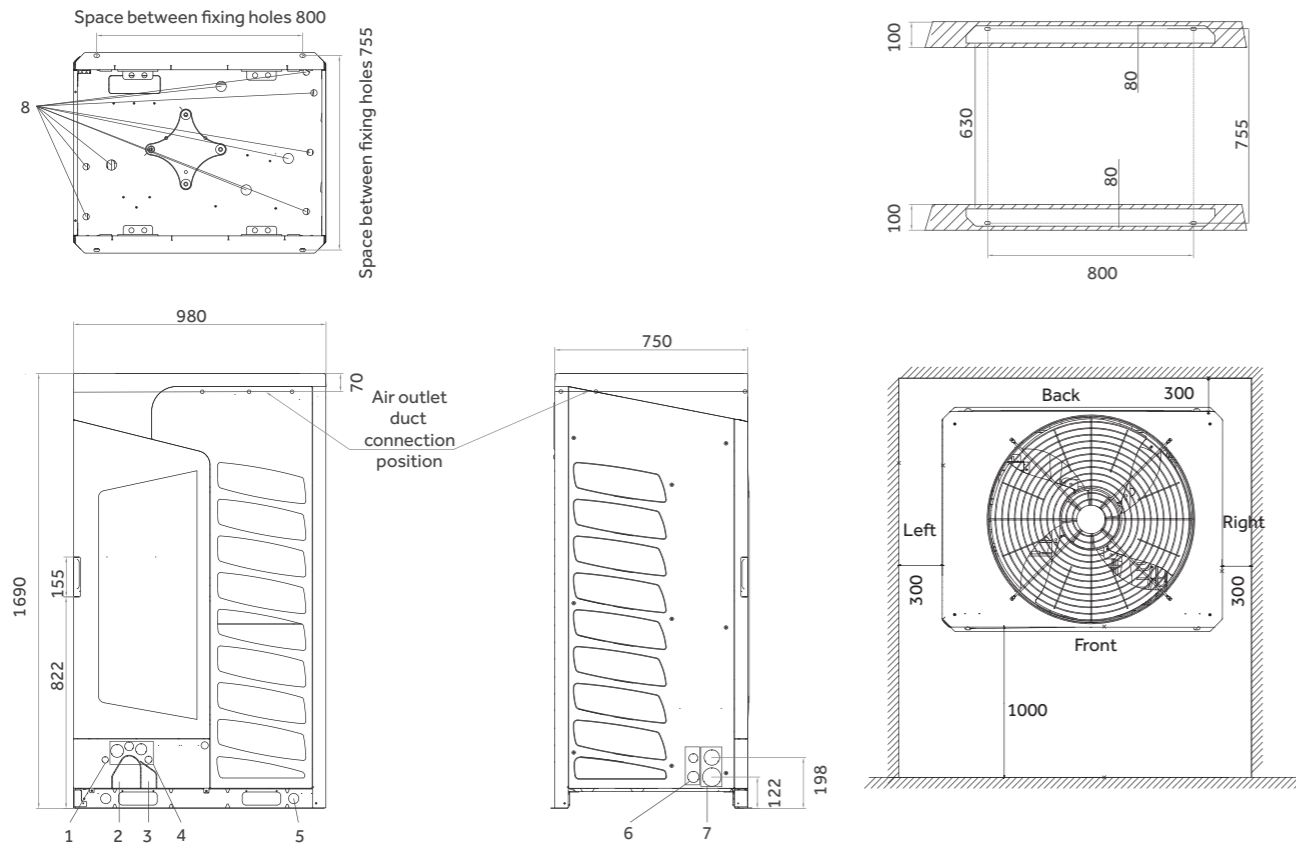
Max drop between I.U.&O.U. *1 If the height difference between the outdoor and the indoor units is from 50 to 110m, you MUST contact your local distributor/dealer for individual design and production.
Standard design and production in the factory.
Max drop between I.U. *3
Max drop between I.U. *4
* All the specifications are tested under nominal condition(in coding, indoor temp. is 27°C DB/19°C WB, Outdoor temp. 35°C DB/24WB in heating, indoor temp. is 20°C DB in heating, outdoor temp. is 7°C DB/6°CWB)



Dimensions

AV08IMVEVS AV10IMVEVS AV12IMVEVS AV14IMVEVS AV16IMVEVS

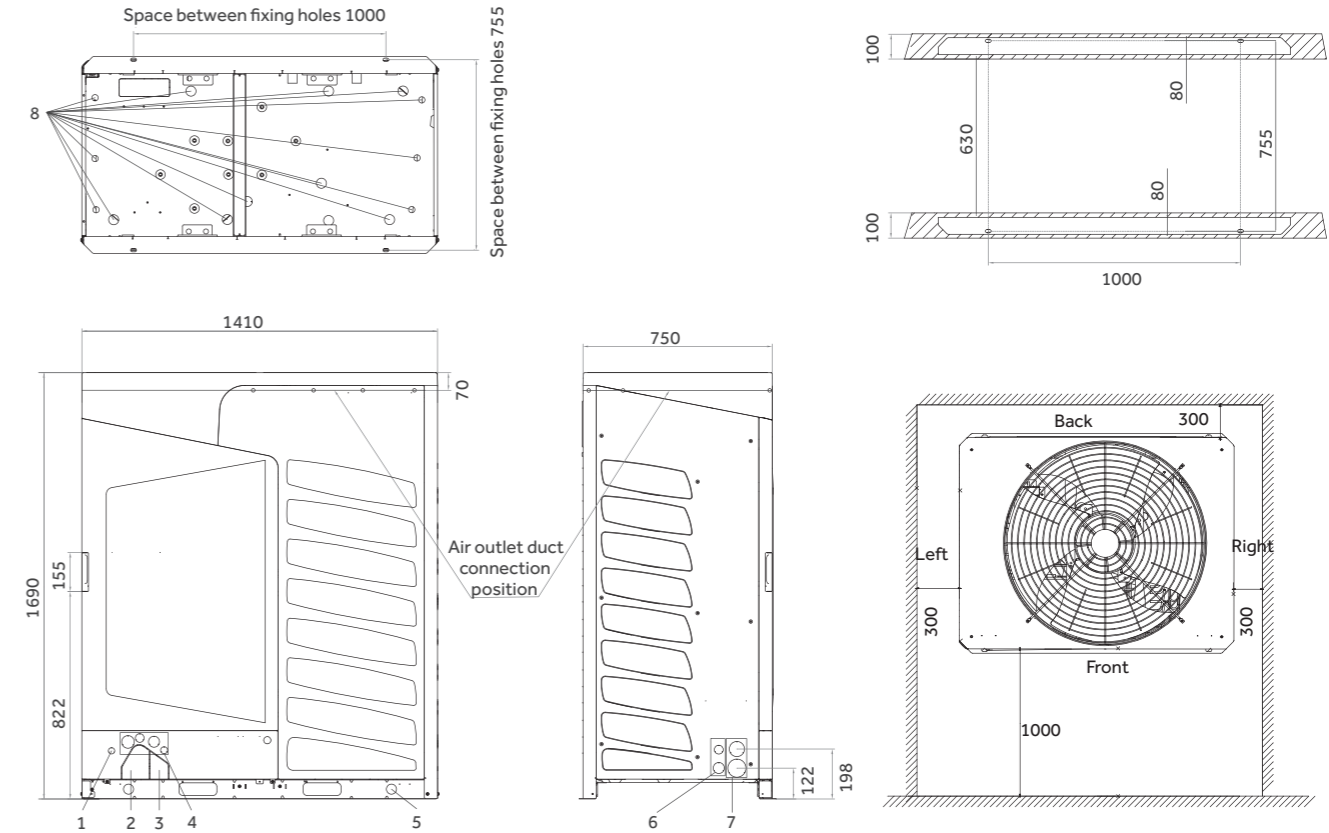
Unit:mm



No.	Name	Remark
1	Signal line hole Ø25	Using the rubber plug in the unit's attachment for protection
2	Pipe outlet for 2-pipe system	
3	Pipe outlet for 3-pipe system	
4	Power supply hole	According to the wire diameter size to choose the appropriate line hole, and using the line sheath in the unit's attachment for protection
5	Hoisting hole	
6	Power supply of signal line hole	
7	Refrigerant pipe outlet	
8	Drain hole	

AV18IMVEVS AV20IMVEVS AV22IMVEVS AV24IMVEVS AV26IMVEVS

Unit:mm



No.	Name	Remark
1	Signal line hole Ø25	Using the rubber plug in the unit's attachment for protection
2	Pipe outlet for 2-pipe system	
3	Pipe outlet for 3-pipe system	
4	Power supply hole	According to the wire diameter size to choose the appropriate line hole, and using the line sheath in the unit's attachment for protection
5	Hoisting hole	
6	Power supply of signal line hole	
7	Refrigerant pipe outlet	
8	Drain hole	