

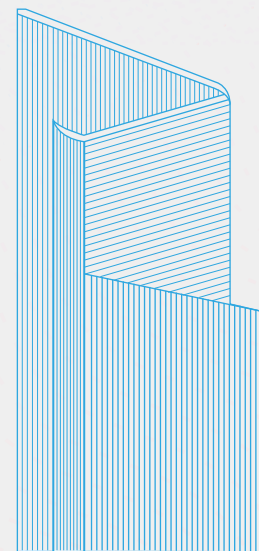
MRV5

DC INVERTER

015 Features & Benefits

020 MRV 5 Outdoor

033 Dimensions



MRV5



Advanced Technology



High Efficiency



Super Comfort



Easy Installation



Advanced Technology

Smart link

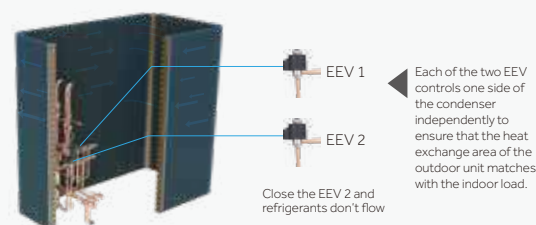
Wireless connection and communication between indoor units.

- 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.



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

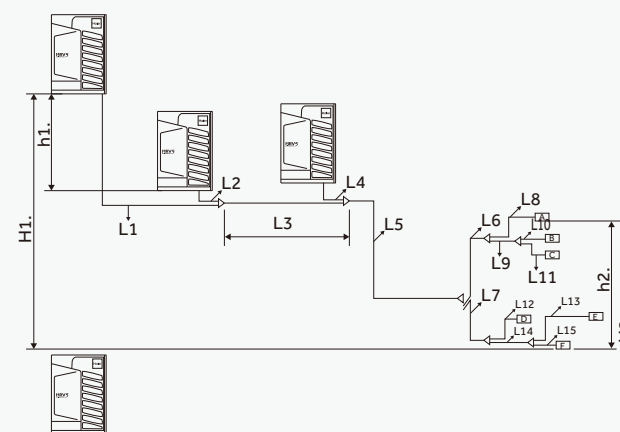
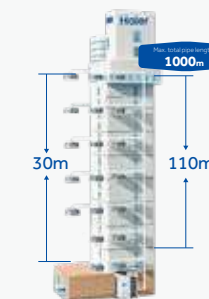
Advanced Technology

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.

No1
High Drop Tower



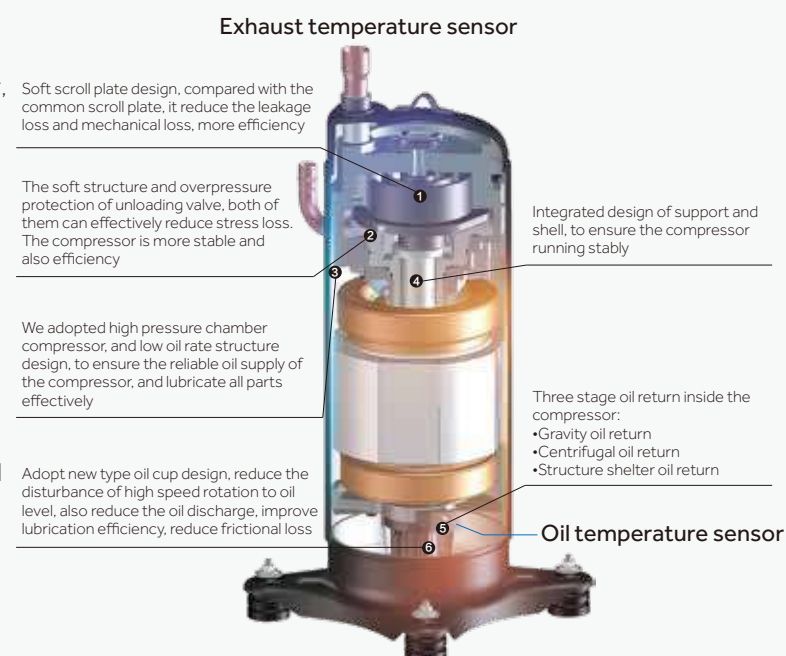
	Max. length	Pipe in left figure
Single way total pipe length (=total liquid pipe length)	1000m	L1+L2+L3+L4+L5+L6+L7+L8+L9+L10+L11+L12+L13+L14+L15
Single way Max. pipe length (max. length between outdoor & indoor) actual length	220m	L1+L3+L5+L7+L14+L15
Main pipe actual length (length between first gather 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) Indoor above outdoor (between lowest outdoor & highest indoor)	50m 40m
		H1 H2

High Efficiency

Supper efficiency with full DC inverter compressor

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.



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.



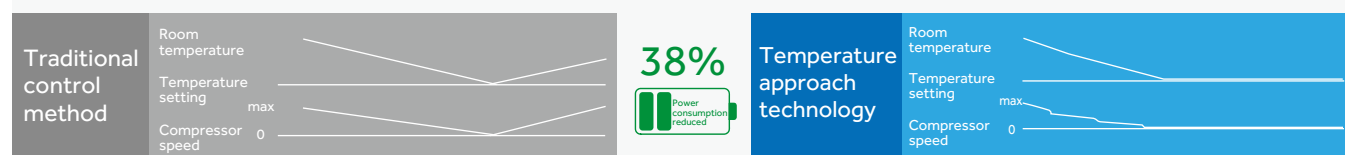
New one-piece of four-way heat exchanger



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

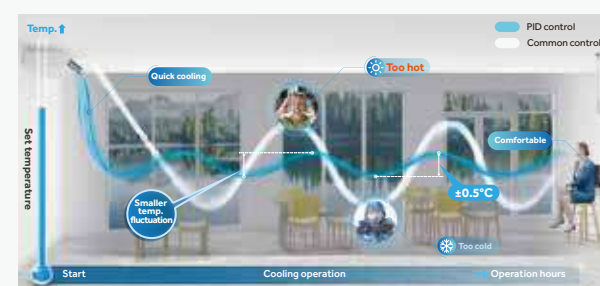
Wide operation temperature

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.



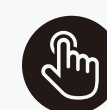
Super Comfort

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

Rotary electric control box design

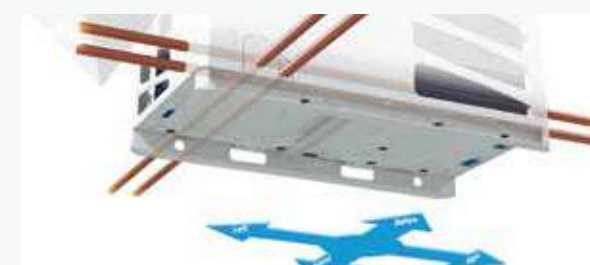
Rotary electric control box design, while maintaining the internal space, maintainer only need to rotate the box, do not need to dismantle the box, easy and fast maintenance.



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.



✂ Easy Installation

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.



Automatic oil balancing

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



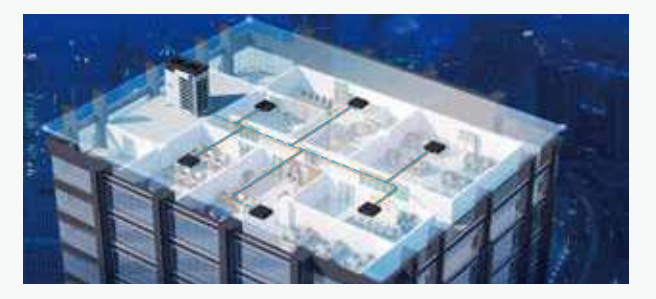
Automatic snow clearing and dust removal function

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.



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.



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.



Installation of duct



The outdoor unit is hidden inside the building without affecting the overall image of the building



Model			AV08IMVEVA	AV10IMVEVA	AV12IMVEVA	AV14IMVEVA	AV16IMVEVA	
	Combination model		/	/	/	/	/	
			/	/	/	/	/	
			/	/	/	/	/	
			/	/	/	/	/	
Capacity	Capacity range	HP	8	10	12	14	16	
	Cooling	kW	25.2	28	33.5	40	45	
	Heating	kW	25.2	28	33.5	40	45	
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	6.24	7.37	10.15	11.94	13.24
		Max. power input	kW	10.08	11.56	13.80	16.40	19.20
		Rated current	A	10.53	12.44	17.14	20.16	22.34
		Max. current	A	17.02	19.52	23.30	27.69	32.41
	Heating	Rated power input	kW	5.73	6.51	8.59	10.00	11.25
		Max. power input	kW	9.90	11.25	12.50	15.10	18.40
		Rated current	A	9.67	10.99	14.52	16.88	18.99
		Max. current	A	16.71	18.99	21.10	25.49	31.06
	EER			4.04	3.80	3.30	3.35	3.40
	COP			4.40	4.30	3.90	4.00	4.00
	SEER			7.25	7.09	6.69	6.6	6.36
	SCOP			4.41	4.31	4.31	4.12	4.05
	η _{sc}		%	287	280.6	264.6	261	251.4
	η _{sh}		%	173.4	169.4	169.4	161.8	159
Performance	Air flow (H)	m³/h	11000	11000	12000	13500	13500	
	Sound pressure level (H)	dB(A)	56	56	59	59	60	
	Sound power level (H)	dB(A)	81	82	88	88	88	
Installation	Dimension(W*H*D)	mm	980/1690/750	980/1690/750	980/1690/750	980/1690/750	980/1690/750	
	Packing (W*H*D)	mm	1070/1858/850	1070/1858/850	1070/1858/850	1070/1858/850	1070/1858/850	
	Net weight	kg	224	224	224	244	244	
	Gross weight	kg	250	250	250	270	270	
	Compressor brand			MITSUBISHI ELECTRIC				
	Compressor type			DC INV. SCROLL				
	Compressor quantity			1INV	1INV	1INV	1INV	1INV
	Refrigerant type			R410A	R410A	R410A	R410A	R410A
	Refrigerant charged volume*3		kg	8.5	8.5	8.5	10	10
	Refrigerant liquid pipe		mm	9.52	9.52	12.7	12.7	12.7
	Refrigerant gas pipe		mm	19.05	22.22	25.4	25.4	28.58
	Max.total pipe length		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 indoor units	Piece	13	16	20	24	27	
Working Temp.	Cooling	°C	-5-50					
	Heating	°C	-23-21					

Max. drop between I.U.&O.U *1
Standard design and production in the factory.
Max. drop between I.U. *3
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/24°C WB; In heating, indoor temp. is 20°C DB; in heating, outdoor temp. is 7°C DB/6°C WB)

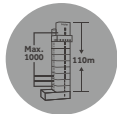


AV08IMVEVA
AV10IMVEVA
AV12IMVEVA
AV14IMVEVA
AV16IMVEVA



AV18IMVEVA
AV20IMVEVA
AV22IMVEVA
AV24IMVEVA
AV26IMVEVA

3/380~415/50/60



Total Pipe Length 1000m,
Height Drop 110m



Space Saving



Auto Addressing
Indoor Units

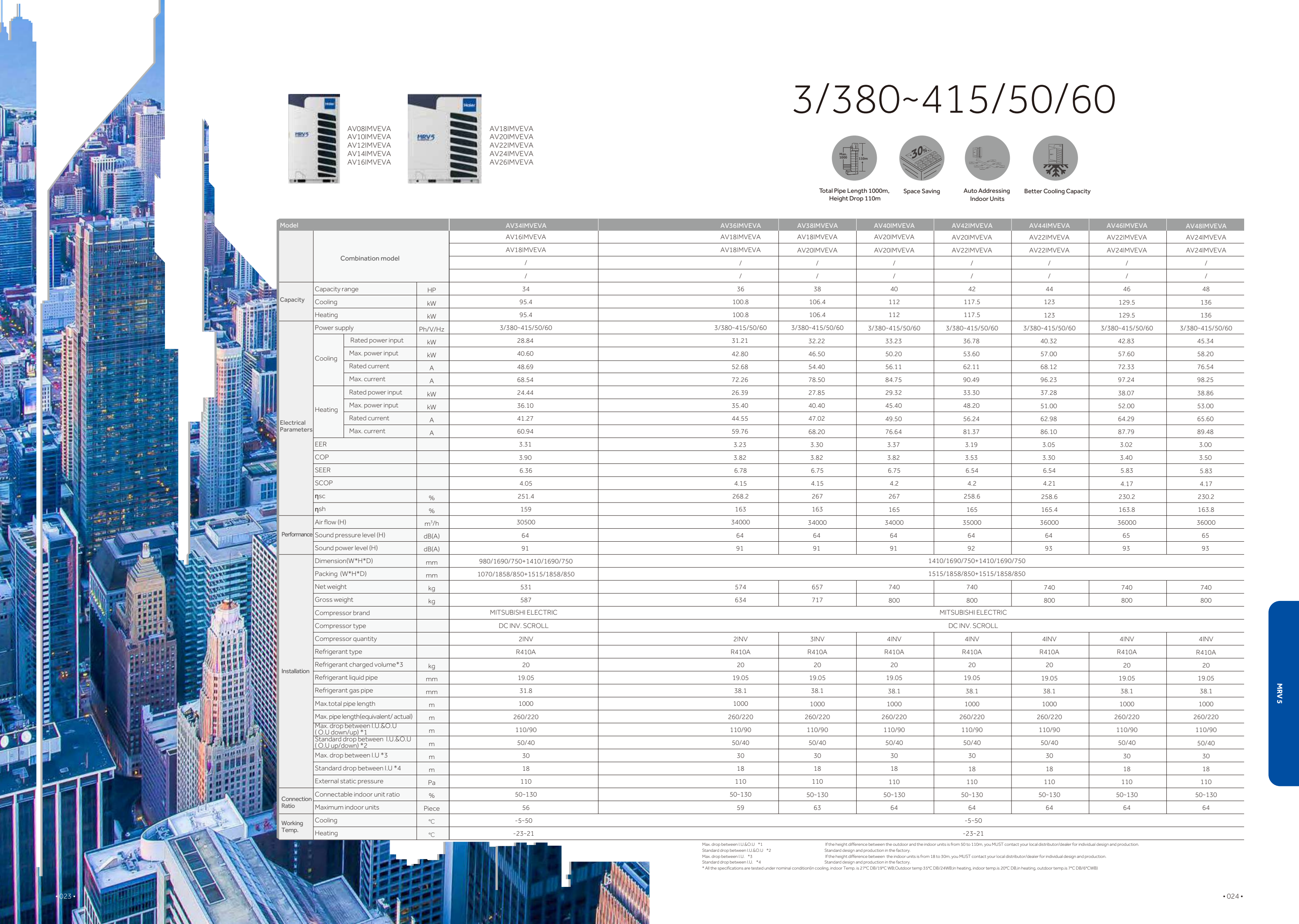


Better Cooling Capacity

Model			AV18IMVEVA	AV20IMVEVA	AV22IMVEVA	AV24IMVEVA	AV26IMVEVA	AV28IMVEVA	AV30IMVEVA	AV32IMVEVA
	Combination model		/	/	/	/	/	AV14IMVEVA	AV14IMVEVA	AV16IMVEVA
			/	/	/	/	/	AV14IMVEVA	AV16IMVEVA	AV16IMVEVA
			/	/	/	/	/	/	/	/
			/	/	/	/	/	/	/	/
Capacity	Capacity range	HP	18	20	22	24	26	28	30	32
	Cooling	kW	50.4	56	61.5	68	73.5	80	85	90
	Heating	kW	50.4	56	61.5	68	73.5	80	85	90
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	3/380-415/50/60	3/380-415/50/60	3/380-415/50/60
	Cooling	Rated power input	kW	15.60	16.62	20.16	22.67	27.22	23.88	25.18
		Max. power input	kW	21.40	25.10	28.50	29.10	37.80	32.80	35.60
		Rated current	A	26.34	28.05	34.06	38.27	45.96	40.32	42.50
		Max. current	A	36.13	42.37	48.11	49.13	61.91	55.37	60.10
	Heating	Rated power input	kW	13.19	14.66	18.64	19.43	26.25	20.00	21.25
		Max. power input	kW	17.70	22.70	25.50	26.50	30.40	30.20	33.50
		Rated current	A	22.27	24.75	31.49	32.80	45.68	33.76	35.87
		Max. current	A	29.88	38.32	43.05	44.74	51.32	50.98	56.55
	EER		3.23	3.37	3.05	3.00	2.70	3.35	3.38	3.40
	COP		3.82	3.82	3.30	3.50	2.80	4.00	4.00	4.00
	SEER		6.78	6.75	6.54	5.83	4.9	6.6	6.36	6.36
	SCOP		4.15	4.2	4.21	4.17	3.5	4.12	4.05	4.05
	η _{sc}	%	268.2	267	258.6	230.2	193	261	251.4	251.4
	η _{sh}	%	163	165	165.4	163.8	137	161.8	159	159
Performance	Air flow (H)	m ³ /h	17000	17000	18000	18000	19000	27000	27000	27000
	Sound pressure level (H)	dB(A)	61	61	61	62	62	62	63	63
	Sound power level (H)	dB(A)	88	88	90	90	90	91	91	91
Installation	Dimension(W*H*D)	mm	1410/1690/750	1410/1690/750	1410/1690/750	1410/1690/750	1410/1690/750	980/1690/750+980/1690/750		
	Packing (W*H*D)	mm	1515/1858/850	1515/1858/850	1515/1858/850	1515/1858/850	1515/1858/850	1070/1858/850+1070/1858/850		
	Net weight	kg	287	370	370	370	370	488	488	488
	Gross weight	kg	317	400	400	400	400	540	540	540
	Compressor bBrand		MITSUBISHI ELECTRIC			MITSUBISHI ELECTRIC				
	Compressor type		DC INV. SCROLL			DC INV. SCROLL				
	Compressor quantity		1INV	2INV	2INV	2INV	2INV	2INV	2INV	2INV
	Refrigerant type		R410A	R410A	R410A	R410A	R410A	R410A	R410A	R410A
	Refrigerant charged volume*3	kg	10	10	10	10	10	20	20	20
	Refrigerant liquid pipe	mm	15.88	15.88	15.88	15.88	15.88	15.88	19.05	19.05
	Refrigerant gas pipe	mm	28.58	28.58	28.58	28.58	28.58	28.58	31.8	31.8
	Max.total pipe length	m	1000	1000	1000	1000	1000	1000	1000	1000
	Max. pipe length(Equivalent/ Actual)	m	260/220	260/220	260/220	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	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	50/40	50/40	50/40
	Max. drop between I.U *3	m	30	30	30	30	30	30	30	30
	Standard drop between I.U *4	m	18	18	18	18	18	18	18	18
	External static pressure	Pa	110	110	110	110	110	110	110	110
Connection Ratio	Connectable indoor unit ratio	%	50-130	50-130	50-130	50-130	50-130	50-130	50-130	50-130
	Maximum indoor units	Piece	30	33	36	40	43	47	50	53
Working Temp.	Cooling	°C	-5~50				-5~50			
	Heating	°C	-23~21				-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

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.
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.
* 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)

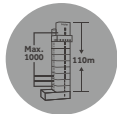


AV08IMVEVA
AV10IMVEVA
AV12IMVEVA
AV14IMVEVA
AV16IMVEVA



AV18IMVEVA
AV20IMVEVA
AV22IMVEVA
AV24IMVEVA
AV26IMVEVA

3/380~415/50/60



Total Pipe Length 1000m,
Height Drop 110m



Space Saving



Auto Addressing
Indoor Units



Better Cooling Capacity

Model			AV34IMVEVA	AV36IMVEVA	AV38IMVEVA	AV40IMVEVA	AV42IMVEVA	AV44IMVEVA	AV46IMVEVA	AV48IMVEVA
	Combination model		AV16IMVEVA	AV18IMVEVA	AV18IMVEVA	AV20IMVEVA	AV20IMVEVA	AV22IMVEVA	AV22IMVEVA	AV24IMVEVA
			AV18IMVEVA	AV20IMVEVA	AV20IMVEVA	AV20IMVEVA	AV22IMVEVA	AV22IMVEVA	AV24IMVEVA	AV24IMVEVA
			/	/	/	/	/	/	/	/
			/	/	/	/	/	/	/	/
Capacity	Capacity range	HP	34	36	38	40	42	44	46	48
	Cooling	kW	95.4	100.8	106.4	112	117.5	123	129.5	136
	Heating	kW	95.4	100.8	106.4	112	117.5	123	129.5	136
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	3/380-415/50/60	3/380-415/50/60	3/380-415/50/60
	Cooling	Rated power input	kW	28.84	31.21	32.22	33.23	36.78	40.32	45.34
		Max. power input	kW	40.60	42.80	46.50	50.20	53.60	57.00	58.20
		Rated current	A	48.69	52.68	54.40	56.11	62.11	68.12	76.54
		Max. current	A	68.54	72.26	78.50	84.75	90.49	96.23	98.25
	Heating	Rated power input	kW	24.44	26.39	27.85	29.32	33.30	37.28	38.86
		Max. power input	kW	36.10	35.40	40.40	45.40	48.20	51.00	53.00
		Rated current	A	41.27	44.55	47.02	49.50	56.24	62.98	65.60
		Max. current	A	60.94	59.76	68.20	76.64	81.37	86.10	89.48
	EER		3.31	3.23	3.30	3.37	3.19	3.05	3.02	3.00
	COP		3.90	3.82	3.82	3.82	3.53	3.30	3.40	3.50
	SEER		6.36	6.78	6.75	6.75	6.54	6.54	5.83	5.83
	SCOP		4.05	4.15	4.15	4.2	4.2	4.21	4.17	4.17
	ηsc	%	251.4	268.2	267	267	258.6	258.6	230.2	230.2
	ηsh	%	159	163	163	165	165	165.4	163.8	163.8
Performance	Air flow (H)	m³/h	30500	34000	34000	34000	35000	36000	36000	36000
	Sound pressure level (H)	dB(A)	64	64	64	64	64	64	65	65
	Sound power level (H)	dB(A)	91	91	91	91	92	93	93	93
Installation	Dimension(W*H*D)	mm	980/1690/750+1410/1690/750							
	Packing (W*H*D)	mm	1070/1858/850+1515/1858/850							
	Net weight	kg	531	574	657	740	740	740	740	740
	Gross weight	kg	587	634	717	800	800	800	800	800
	Compressor brand		MITSUBISHI ELECTRIC							
	Compressor type		DC INV. SCROLL							
	Compressor quantity		2INV	2INV	3INV	4INV	4INV	4INV	4INV	4INV
	Refrigerant type		R410A	R410A	R410A	R410A	R410A	R410A	R410A	R410A
	Refrigerant charged volume*3	kg	20	20	20	20	20	20	20	20
	Refrigerant liquid pipe	mm	19.05	19.05	19.05	19.05	19.05	19.05	19.05	19.05
	Refrigerant gas pipe	mm	31.8	38.1	38.1	38.1	38.1	38.1	38.1	38.1
	Max.total pipe length	m	1000	1000	1000	1000	1000	1000	1000	1000
	Max. pipe length(equivalent/ actual)	m	260/220	260/220	260/220	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	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	50/40	50/40	50/40
	Max. drop between I.U *3	m	30	30	30	30	30	30	30	30
	Standard drop between I.U *4	m	18	18	18	18	18	18	18	18
	External static pressure	Pa	110	110	110	110	110	110	110	110
Connection Ratio	Connectable indoor unit ratio	%	50~130	50~130	50~130	50~130	50~130	50~130	50~130	50~130
	Maximum indoor units	Piece	56	59	63	64	64	64	64	64
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(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)

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.
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.

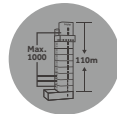


AV08IMVEVA
AV10IMVEVA
AV12IMVEVA
AV14IMVEVA
AV16IMVEVA



AV18IMVEVA
AV20IMVEVA
AV22IMVEVA
AV24IMVEVA
AV26IMVEVA

3/380~415/50/60



Total Pipe Length 1000m,
Height Drop 110m



Space Saving



Auto Addressing
Indoor Units



Better Cooling Capacity

Model			AV50IMVEVA	AV52IMVEVA	AV54IMVEVA	AV56IMVEVA	AV58IMVEVA	AV60IMVEVA	AV62IMVEVA	AV64IMVEVA
	Combination model		AV24IMVEVA	AV26IMVEVA	AV18IMVEVA	AV18IMVEVA	AV18IMVEVA	AV20IMVEVA	AV22IMVEVA	AV22IMVEVA
			AV26IMVEVA	AV26IMVEVA	AV18IMVEVA	AV18IMVEVA	AV20IMVEVA	AV20IMVEVA	AV20IMVEVA	AV22IMVEVA
			/	/	AV18IMVEVA	AV20IMVEVA	AV20IMVEVA	AV20IMVEVA	AV20IMVEVA	AV20IMVEVA
			/	/	/	/	/	/	/	/
Capacity	Capacity range	HP	50	52	54	56	58	60	62	64
	Cooling	kW	141.5	147	151.2	156.8	162.4	168	173.5	179
	Heating	kW	141.5	147	151.2	156.8	162.4	168	173.5	179
Electrical Parameters	Power supply	PhV/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	3/380-415/50/60	3/380-415/50/60	3/380-415/50/60
	Cooling	Rated power input	kW	49.89	54.44	46.81	47.82	48.84	49.85	53.39
		Max. power input	kW	66.90	75.60	64.20	67.90	71.60	75.30	82.10
		Rated current	A	84.23	91.91	79.03	80.74	82.45	84.16	90.17
		Max. current	A	111.04	123.82	108.38	114.63	120.88	127.12	138.60
	Heating	Rated power input	kW	45.68	52.50	39.58	41.05	42.51	43.98	51.94
		Max. power input	kW	56.90	60.80	53.10	58.10	63.10	68.10	70.90
		Rated current	A	78.48	91.36	66.82	69.30	71.77	74.25	80.99
		Max. current	A	96.06	102.64	89.64	98.08	106.53	114.97	124.42
	EER		2.84	2.70	3.23	3.28	3.33	3.37	3.25	3.14
	COP		3.10	2.80	3.82	3.82	3.82	3.82	3.62	3.45
	SEER		4.9	4.9	6.78	6.75	6.75	6.75	6.54	6.54
	SCOP		3.5	3.5	4.15	4.15	4.15	4.2	4.2	4.2
	η _{sc}	%	193	193	268.2	267	267	267	258.6	258.6
	η _{sh}	%	137	137	163	163	163	165	165	165
Performance	Air flow (H)	m ³ /h	37000	38000	51000	51000	51000	51000	52000	53000
	Sound pressure level (H)	dB(A)	65	65	66	66	66	66	66	66
	Sound power level (H)	dB(A)	93	93	93	93	93	93	94	94
Installation	Dimension(W*H*D)	mm	1410/1690/750+1410/1690/750							
	Packing (W*H*D)	mm	1515/1858/850+1515/1858/850							
	Net weight	kg	740	740	861	944	1027	1110	1110	1110
	Gross weight	kg	800	800	951	1034	1117	1200	1200	1200
	Compressor brand		MITSUBISHI ELECTRIC				MITSUBISHI ELECTRIC			
	Compressor type		DC INV. SCROLL				DC INV. SCROLL			
	Compressor quantity		4INV	4INV	3INV	4INV	5INV	6INV	6INV	6INV
	Refrigerant type		R410A	R410A	R410A	R410A	R410A	R410A	R410A	R410A
	Refrigerant charged volume*3	kg	20	20	30	30	30	30	30	30
	Refrigerant liquid pipe	mm	19.05	19.05	19.05	19.05	19.05	19.05	19.05	19.05
	Refrigerant gas pipe	mm	38.1	38.1	38.1	38.1	41.3	41.3	41.3	41.3
	Max.total pipe length	m	1000	1000	1000	1000	1000	1000	1000	1000
	Max. pipe length(equivalent/ actual)	m	260/220	260/220	260/220	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	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	50/40	50/40	50/40
	Max. drop between I.U *3	m	30	30	30	30	30	30	30	30
	Standard drop between I.U *4	m	18	18	18	18	18	18	18	18
	External static pressure	Pa	110	110	110	110	110	110	110	110
Connection Ratio	Connectable indoor unit ratio	%	50-130	50-130	50-130	50-130	50-130	50-130	50-130	50-130
	Maximum indoor units	Piece	64	64	64	64	64	64	64	64
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(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)

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.
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.

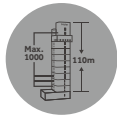


AV08IMVEVA
AV10IMVEVA
AV12IMVEVA
AV14IMVEVA
AV16IMVEVA



AV18IMVEVA
AV20IMVEVA
AV22IMVEVA
AV24IMVEVA
AV26IMVEVA

3/380~415/50/60



Total Pipe Length 1000m,
Height Drop 110m



Space Saving



Auto Addressing
Indoor Units

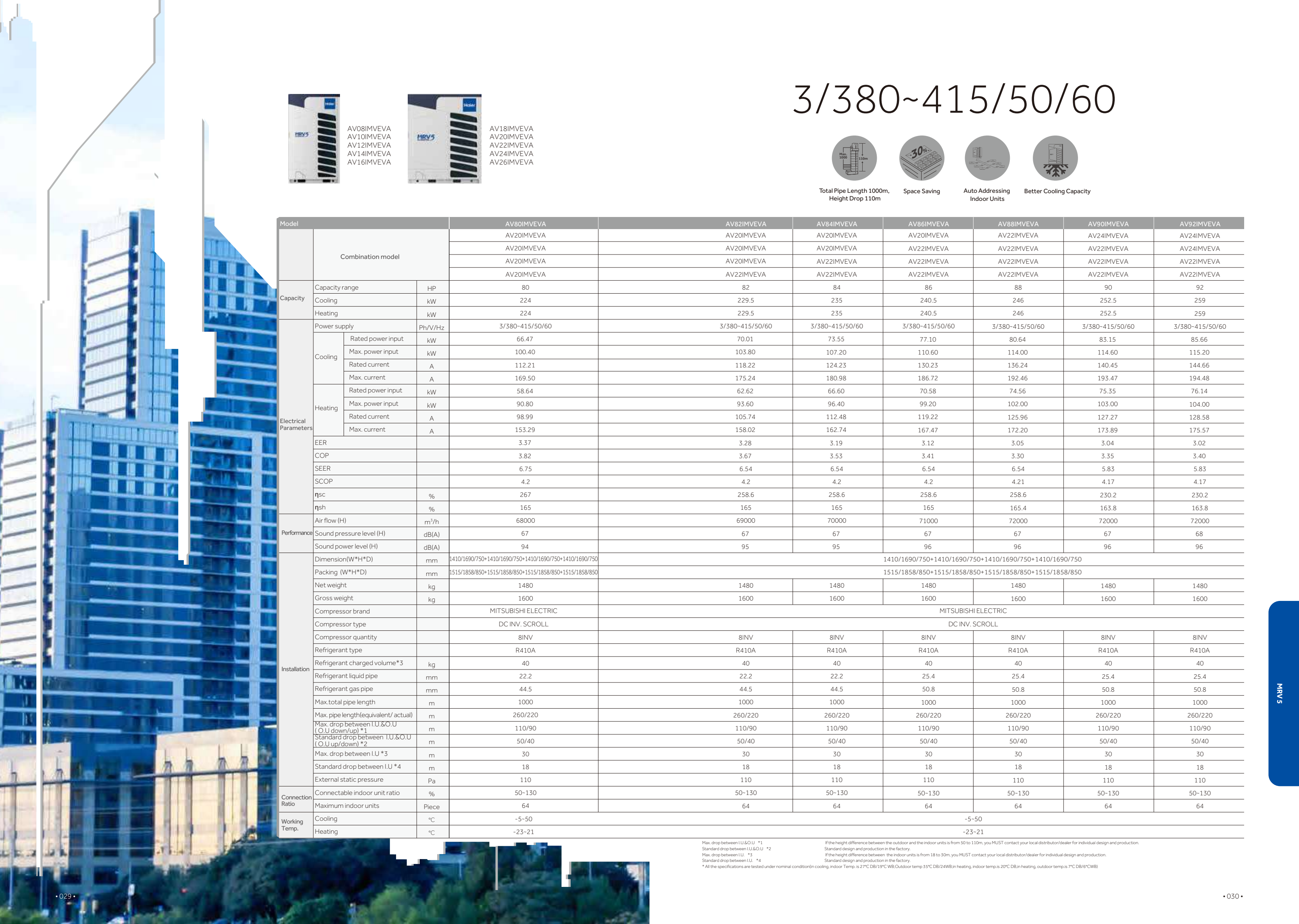


Better Cooling Capacity

Model			AV66IMVEVA	AV68IMVEVA	AV70IMVEVA	AV72IMVEVA	AV74IMVEVA	AV76IMVEVA	AV78IMVEVA
	Combination model		AV22IMVEVA	AV22IMVEVA	AV24IMVEVA	AV24IMVEVA	AV24IMVEVA	AV26IMVEVA	AV26IMVEVA
			AV22IMVEVA	AV22IMVEVA	AV24IMVEVA	AV24IMVEVA	AV24IMVEVA	AV26IMVEVA	AV26IMVEVA
			AV22IMVEVA	AV24IMVEVA	AV24IMVEVA	AV24IMVEVA	AV24IMVEVA	AV24IMVEVA	AV26IMVEVA
			/	/	/	/	/	/	/
Capacity	Capacity range	HP	66	68	70	72	74	76	78
	Cooling	kW	184.5	191	197.5	204	209.5	215	220.5
	Heating	kW	184.5	191	197.5	204	209.5	215	220.5
Electrical Parameters	Power supply	PhV/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	3/380-415/50/60	3/380-415/50/60
	Cooling	Rated power input	kW	60.48	62.99	65.50	68.01	72.56	77.11
		Max. power input	kW	85.50	86.10	86.70	87.30	96.00	104.70
		Rated current	A	102.18	106.39	110.60	114.82	122.50	130.19
		Max. current	A	144.34	145.35	146.37	147.38	160.16	172.95
	Heating	Rated power input	kW	55.92	56.71	57.50	58.29	65.11	71.93
		Max. power input	kW	76.50	77.50	78.50	79.50	83.40	87.30
		Rated current	A	94.47	95.78	97.09	98.40	111.28	124.16
		Max. current	A	129.15	130.84	132.52	134.21	140.80	147.38
	EER		3.05	3.03	3.02	3.00	2.89	2.79	2.70
	COP		3.30	3.37	3.43	3.50	3.22	2.99	2.80
	SEER		6.54	5.83	5.83	5.83	4.9	4.9	4.9
	SCOP		4.21	4.17	4.17	4.17	3.5	3.5	3.5
Performance	η _{sc}	%	258.6	230.2	230.2	230.2	193	193	193
	η _{sh}	%	165.4	163.8	163.8	163.8	137	137	137
	Air flow (H)	m ³ /h	54000	54000	54000	54000	55000	56000	57000
Installation	Sound pressure level (H)	dB(A)	66	66	66	67	67	67	67
	Sound power level (H)	dB(A)	95	95	95	95	95	95	95
	Dimension(W*H*D)	mm	1410/1690/750+1410/1690/750+1410/1690/750	1410/1690/750+1410/1690/750+1410/1690/750					
	Packing (W*H*D)	mm	1515/1858/850+1515/1858/850+1515/1858/850	1515/1858/850+1515/1858/850+1515/1858/850					
	Net weight	kg	1110	1110	1110	1110	1110	1110	1110
	Gross weight	kg	1200	1200	1200	1200	1200	1200	1200
	Compressor brand		MITSUBISHI ELECTRIC	MITSUBISHI ELECTRIC					
	Compressor type		DC INV. SCROLL	DC INV. SCROLL					
	Compressor quantity		6INV	6INV	6INV	6INV	6INV	6INV	6INV
	Refrigerant type		R410A	R410A	R410A	R410A	R410A	R410A	R410A
	Refrigerant charged volume*3	kg	30	30	30	30	30	30	30
	Refrigerant liquid pipe	mm	19.05	22.2	22.2	22.2	22.2	22.2	22.2
	Refrigerant gas pipe	mm	41.3	44.5	44.5	44.5	44.5	44.5	44.5
	Max.total pipe length	m	1000	1000	1000	1000	1000	1000	1000
	Max. pipe length(equivalent/ actual)	m	260/220	260/220	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	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	50/40	50/40
	Max. drop between I.U *3	m	30	30	30	30	30	30	30
	Standard drop between I.U *4	m	18	18	18	18	18	18	18
	External static pressure	Pa	110	110	110	110	110	110	110
Connection Ratio	Connectable indoor unit ratio	%	50-130	50-130	50-130	50-130	50-130	50-130	50-130
	Maximum indoor units	Piece	64	64	64	64	64	64	64
Working Temp.	Cooling	°C	-5~50	-5~50					
	Heating	°C	-23~21	-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(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)

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.
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Standard design and production in the factory.

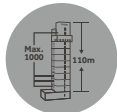


AV08IMVEVA
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AV14IMVEVA
AV16IMVEVA



AV18IMVEVA
AV20IMVEVA
AV22IMVEVA
AV24IMVEVA
AV26IMVEVA

3/380~415/50/60



Total Pipe Length 1000m,
Height Drop 110m



Space Saving



Auto Addressing
Indoor Units



Better Cooling Capacity

Model			AV80IMVEVA	AV82IMVEVA	AV84IMVEVA	AV86IMVEVA	AV88IMVEVA	AV90IMVEVA	AV92IMVEVA
	Combination model		AV20IMVEVA	AV20IMVEVA	AV20IMVEVA	AV20IMVEVA	AV20IMVEVA	AV20IMVEVA	AV20IMVEVA
			AV20IMVEVA	AV20IMVEVA	AV20IMVEVA	AV22IMVEVA	AV22IMVEVA	AV22IMVEVA	AV24IMVEVA
			AV20IMVEVA	AV20IMVEVA	AV22IMVEVA	AV22IMVEVA	AV22IMVEVA	AV22IMVEVA	AV22IMVEVA
			AV20IMVEVA	AV22IMVEVA	AV22IMVEVA	AV22IMVEVA	AV22IMVEVA	AV22IMVEVA	AV22IMVEVA
Capacity	Capacity range	HP	80	82	84	86	88	90	92
	Cooling	kW	224	229.5	235	240.5	246	252.5	259
	Heating	kW	224	229.5	235	240.5	246	252.5	259
Electrical Parameters	Power supply	PhV/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	3/380-415/50/60	3/380-415/50/60
	Cooling	Rated power input	kW	66.47	70.01	73.55	77.10	80.64	83.15
		Max. power input	kW	100.40	103.80	107.20	110.60	114.00	115.20
		Rated current	A	112.21	118.22	124.23	130.23	136.24	140.45
		Max. current	A	169.50	175.24	180.98	186.72	192.46	194.48
	Heating	Rated power input	kW	58.64	62.62	66.60	70.58	74.56	75.35
		Max. power input	kW	90.80	93.60	96.40	99.20	102.00	103.00
		Rated current	A	98.99	105.74	112.48	119.22	125.96	127.27
		Max. current	A	153.29	158.02	162.74	167.47	172.20	175.57
	EER		3.37	3.28	3.19	3.12	3.05	3.04	3.02
	COP		3.82	3.67	3.53	3.41	3.30	3.35	3.40
	SEER		6.75	6.54	6.54	6.54	6.54	5.83	5.83
	SCOP		4.2	4.2	4.2	4.2	4.21	4.17	4.17
	η _{sc}	%	267	258.6	258.6	258.6	258.6	230.2	230.2
	η _{sh}	%	165	165	165	165	165.4	163.8	163.8
Performance	Air flow (H)	m³/h	68000	69000	70000	71000	72000	72000	72000
	Sound pressure level (H)	dB(A)	67	67	67	67	67	67	68
	Sound power level (H)	dB(A)	94	95	95	96	96	96	96
Installation	Dimension (W*H*D)	mm	1410/1690/750+1410/1690/750+1410/1690/750+1410/1690/750	1410/1690/750+1410/1690/750+1410/1690/750+1410/1690/750					
	Packing (W*H*D)	mm	1515/1858/850+1515/1858/850+1515/1858/850+1515/1858/850	1515/1858/850+1515/1858/850+1515/1858/850+1515/1858/850					
	Net weight	kg	1480	1480	1480	1480	1480	1480	1480
	Gross weight	kg	1600	1600	1600	1600	1600	1600	1600
	Compressor brand		MITSUBISHI ELECTRIC		MITSUBISHI ELECTRIC				
	Compressor type		DC INV. SCROLL		DC INV. SCROLL				
	Compressor quantity		8INV	8INV	8INV	8INV	8INV	8INV	8INV
	Refrigerant type		R410A	R410A	R410A	R410A	R410A	R410A	R410A
	Refrigerant charged volume*3	kg	40	40	40	40	40	40	40
	Refrigerant liquid pipe	mm	22.2	22.2	22.2	25.4	25.4	25.4	25.4
	Refrigerant gas pipe	mm	44.5	44.5	44.5	50.8	50.8	50.8	50.8
	Max.total pipe length	m	1000	1000	1000	1000	1000	1000	1000
	Max. pipe length(equivalent/ actual)	m	260/220	260/220	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	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	50/40	50/40
	Max. drop between I.U *3	m	30	30	30	30	30	30	30
	Standard drop between I.U *4	m	18	18	18	18	18	18	18
	External static pressure	Pa	110	110	110	110	110	110	110
Connection Ratio	Connectable indoor unit ratio	%	50-130	50-130	50-130	50-130	50-130	50-130	50-130
	Maximum indoor units	Piece	64	64	64	64	64	64	64
Working Temp.	Cooling	°C	-5~50	-5~50					
	Heating	°C	-23~21	-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(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)

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.
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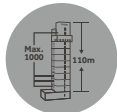


AV08IMVEVA
AV10IMVEVA
AV12IMVEVA
AV14IMVEVA
AV16IMVEVA



AV18IMVEVA
AV20IMVEVA
AV22IMVEVA
AV24IMVEVA
AV26IMVEVA

3/380~415/50/60



Total Pipe Length 1000m,
Height Drop 110m



Space Saving



Auto Addressing
Indoor Units



Better Cooling Capacity

Model			AV94IMVEVA	AV96IMVEVA	AV98IMVEVA	AV100IMVEVA	AV102IMVEVA	AV104IMVEVA
	Combination model		AV24IMVEVA	AV24IMVEVA	AV26IMVEVA	AV26IMVEVA	AV26IMVEVA	AV26IMVEVA
			AV24IMVEVA	AV24IMVEVA	AV24IMVEVA	AV26IMVEVA	AV26IMVEVA	AV26IMVEVA
			AV24IMVEVA	AV24IMVEVA	AV24IMVEVA	AV24IMVEVA	AV26IMVEVA	AV26IMVEVA
			AV22IMVEVA	AV24IMVEVA	AV24IMVEVA	AV24IMVEVA	AV24IMVEVA	AV26IMVEVA
Capacity	Capacity range	HP	94	96	98	100	102	104
	Cooling	kW	265.5	272	277.5	283	288.5	294
	Heating	kW	265.5	272	277.5	283	288.5	294
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	3/380-415/50/60
	Cooling	Rated power input	kW	88.17	90.68	95.23	99.78	104.34
		Max. power input	kW	115.80	116.40	125.10	133.80	142.50
		Rated current	A	148.88	153.09	160.77	168.46	176.14
		Max. current	A	195.49	196.51	209.29	222.07	234.86
	Heating	Rated power input	kW	76.93	77.71	84.54	91.36	98.18
		Max. power input	kW	105.00	106.00	109.90	113.80	117.70
		Rated current	A	129.89	131.20	144.08	156.96	169.84
		Max. current	A	177.26	178.95	185.53	192.12	198.70
	EER		3.01	3.00	2.91	2.84	2.77	2.70
	COP		3.45	3.50	3.28	3.10	2.94	2.80
	SEER		5.83	5.83	4.9	4.9	4.9	4.9
	SCOP		4.17	4.17	3.5	3.5	3.5	3.5
	η _{sc}	%	230.2	230.2	193	193	193	193
	η _{sh}	%	163.8	163.8	137	137	137	137
Performance	Air flow (H)	m ³ /h	72000	72000	73000	74000	75000	76000
	Sound pressure level (H)	dB(A)	68	67	67	68	68	68
	Sound power level (H)	dB(A)	96	96	96	96	96	96
Installation	Dimension(W*H*D)	mm	1410/1690/750+1410/1690/750+1410/1690/750+1410/1690/750	1410/1690/750+1410/1690/750+1410/1690/750+1410/1690/750				
	Packing (W*H*D)	mm	1515/1858/850+1515/1858/850+1515/1858/850+1515/1858/850	1515/1858/850+1515/1858/850+1515/1858/850+1515/1858/850				
	Net weight	kg	1480	1480	1480	1480	1480	1480
	Gross weight	kg	1600	1600	1600	1600	1600	1600
	Compressor brand		MITSUBISHI ELECTRIC		MITSUBISHI ELECTRIC			
	Compressor type		DC INV. SCROLL		DC INV. SCROLL			
	Compressor quantity		8INV	8INV	8INV	8INV	8INV	8INV
	Refrigerant type		R410A	R410A	R410A	R410A	R410A	R410A
	Refrigerant charged volume*3	kg	40	40	40	40	40	40
	Refrigerant liquid pipe	mm	25.4	25.4	25.4	25.4	25.4	25.4
	Refrigerant gas pipe	mm	50.8	50.8	54.1	54.1	54.1	54.1
	Max.total pipe length	m	1000	1000	1000	1000	1000	1000
	Max. pipe length(Equivalent/ Actual)	m	260/220	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	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	50/40
	Max. drop between I.U *3	m	30	30	30	30	30	30
	Standard drop between I.U *4	m	18	18	18	18	18	18
	External static pressure	Pa	110	110	110	110	110	110
Connection Ratio	Connectable indoor unit ratio	%	50~130	50~130	50~130	50~130	50~130	50~130
	Maximum indoor units	Piece	64	64	64	64	64	64
Working Temp.	Cooling	°C	-5~50	-5~50				
	Heating	°C	-23~21	-23~21				

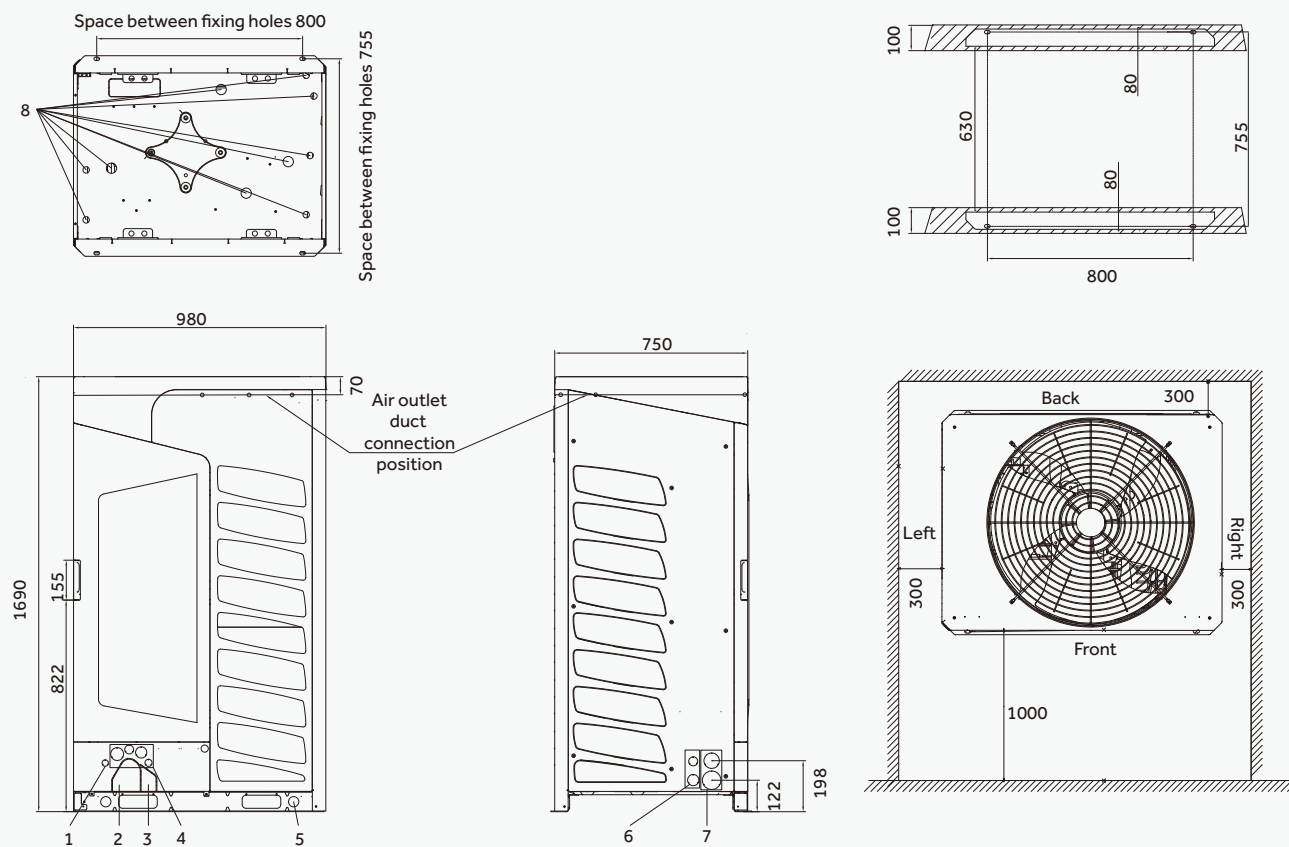
Max. drop between I.U.&O.U. *1
Standard drop between I.U.&O.U. *2
Max. drop between I.U. *3
Standard drop between I.U. *4
* All the specifications are tested under nominal condition(in cooling, indoor Temp. is 27°C DB/19°C WB; Outdoor temp 35°C DB/24WB; in heating, indoor temp. is 20°C DB; in heating,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

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.
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.

Dimensions

AV08IMVEVA AV10IMVEVA AV12IMVEVA AV14IMVEVA AV16IMVEVA

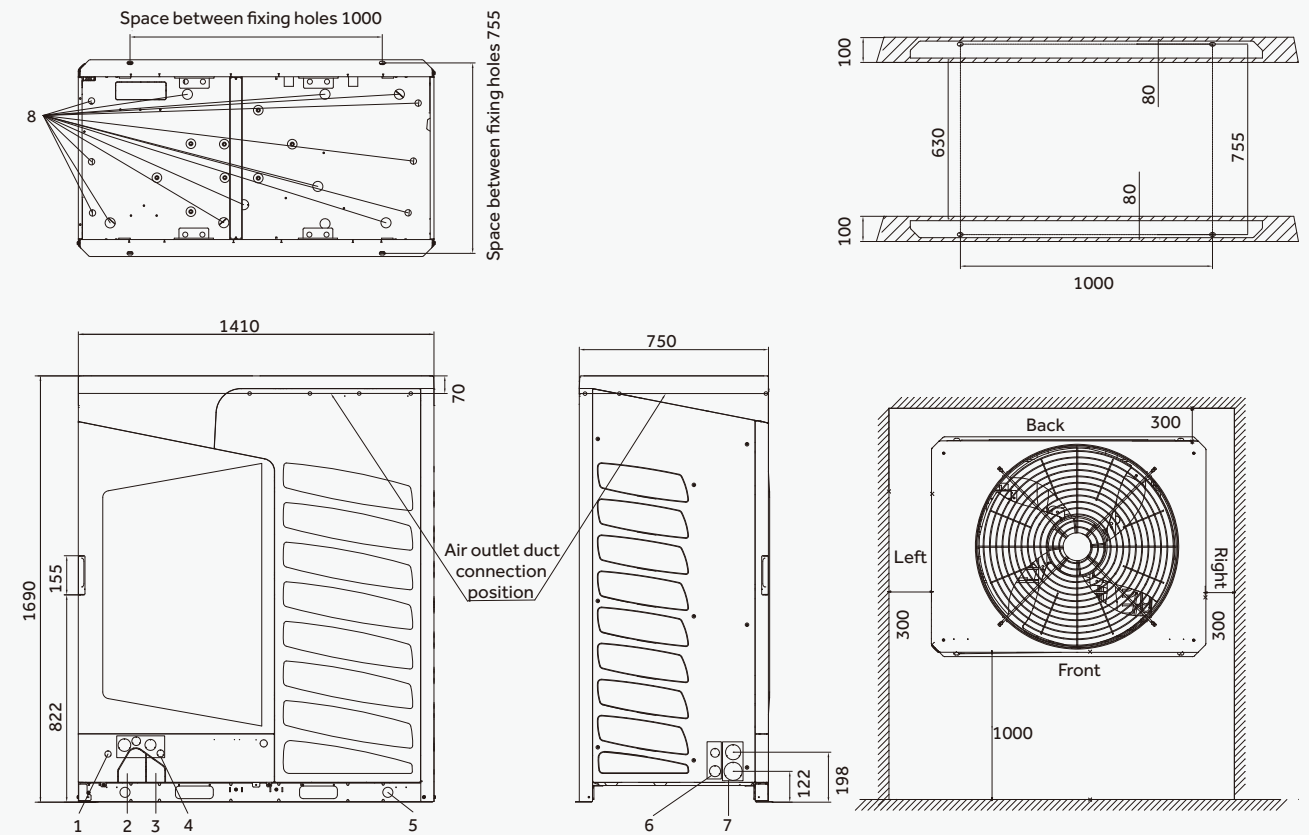
Unit:mm



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	

AV18IMVEVA AV20IMVEVA AV22IMVEVA AV24IMVEVA AV26IMVEVA

Unit:mm

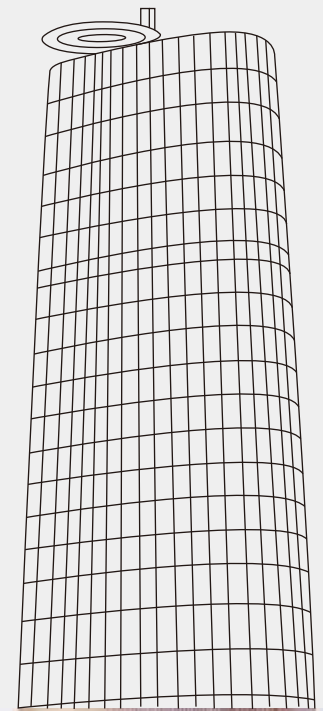


No.	Name	Remark
1	Signal line hole Ø25	Using the rubber plug in the unit's attachment for protection
2	Pipe outlet for 2-pipe system	
3	Pipe outlet for 3-pipe system	
4	Power supply hole	According to the wire diameter size to choose the appropriate line hole, and using the line sheath in the unit's attachment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

MRV5-H
DC INVERTER

037 Features & Benefits

041 MRV 5-H Outdoor



MRV5-H



High Efficiency



Super Comfort



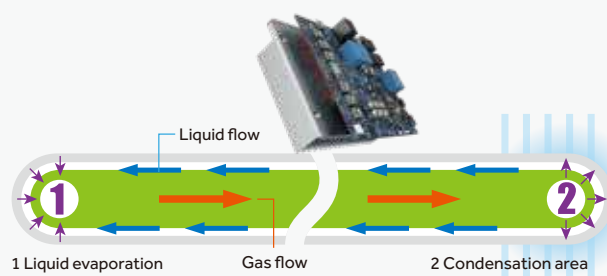
Super Convenience



High Efficiency

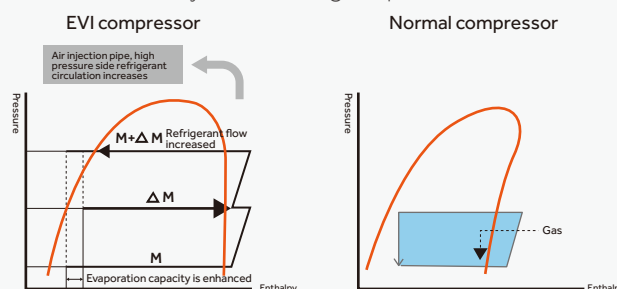
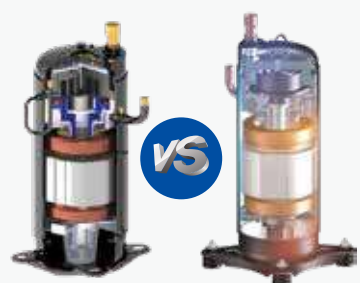
Super conducting refrigerant cooling technology

Adopt innovative super heat conduction cooling PCB technology, heat transfer media conduct heat 100 times better than copper. Does not occupy the refrigerant amount of the system, no additional refrigerant loss. At the same time, this cooling mode will not affect the rotation of the electric control box, easy maintain.



EVI compressor

Standard with EVI compressor, increase the refrigerant circulation by 15%, strong output.



High Efficiency

2 stage sub-cooling

Sub-cooling degree is up to 30°C, improve the cooling and heating capacity.



Speed-less DC fan motor

Standard with speed-less DC fan motor, compared with normal type, the motor efficiency is increased by 17%.



Super Comfort

Continuous heating technology

Intelligent defrosting technology, realizing continuous heating.



Super Comfort

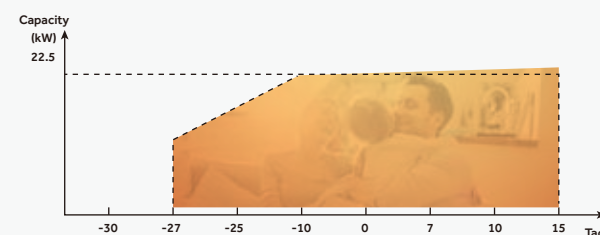
Wide operation Temp.

Cooling: $-5^{\circ}\text{C}\sim 52^{\circ}\text{C}$ Heating: $-27^{\circ}\text{C}\sim 21^{\circ}\text{C}$



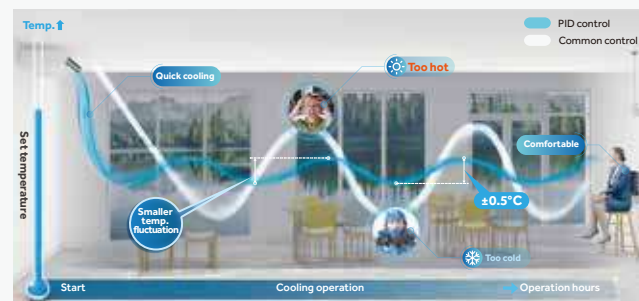
Reliable performance in low temperature

In the low temperature, compared with the standard series, the heating capacity increased by 10%.
The heating capacity is 100% under -10°C .



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

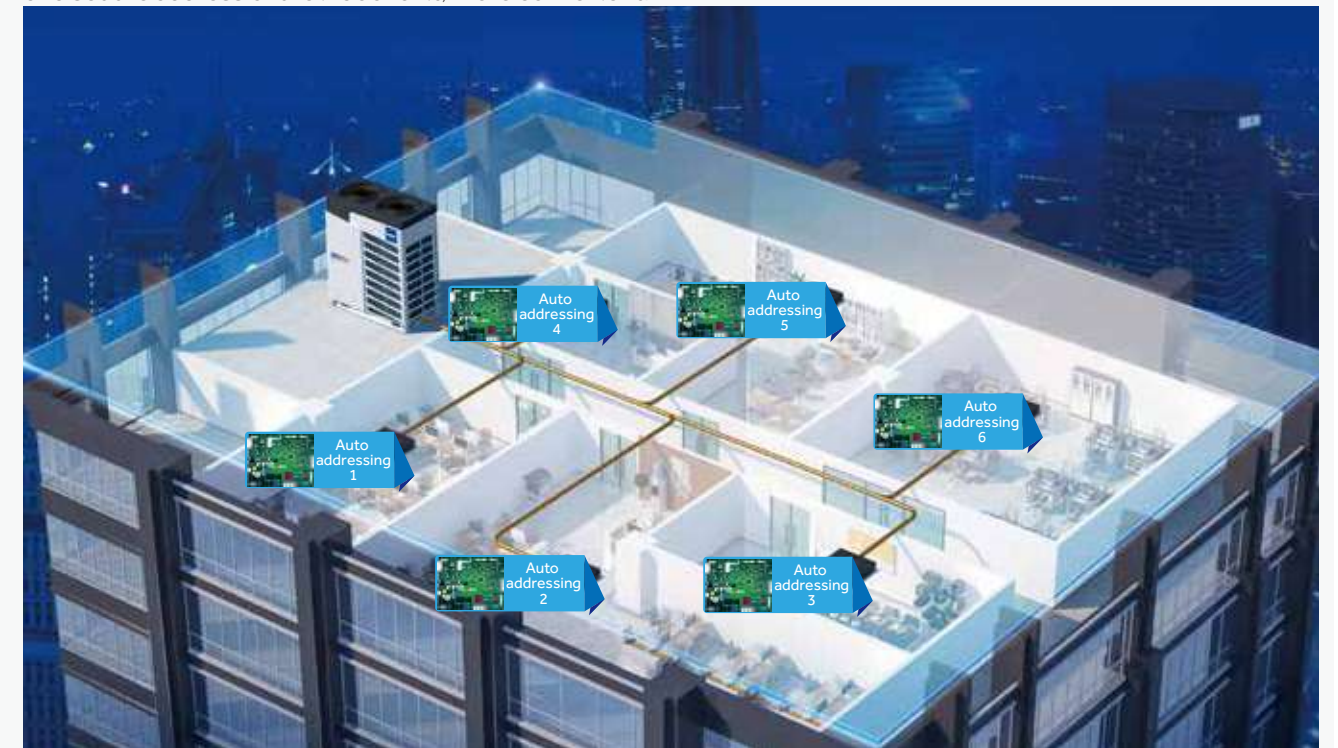
With twin pressure sensors and twin EEVS, the refrigerant volume can be adjusted automatically to realize precise temperature control, improving indoor comfort.



Super Convenience

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.



Rotary electric control box design

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



4-way pipe connection

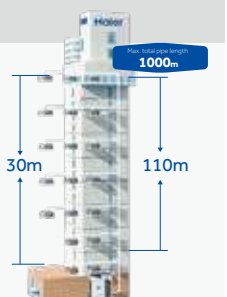
You can freely choose the front, back, left side, right side of the unit to connect the pipe, easy to install and design.



Long pipe length, high height drop

Total pipe length 1000m;
Drop length 110m.

No.1
High Drop Tower



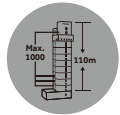


AV08NMVETA
AV10NMVETA
AV12NMVETA
AV14NMVETA
AV16NMVETA



AV18NMVETA
AV20NMVETA
AV22NMVETA
AV24NMVETA
AV26NMVETA

3/380~415/50/60



Total Pipe Length 1000m,
Height Drop 110m



EVI Compressors



Single Module 26HP,
Maximum Combination 104HP



Intelligent Defrosting
Technology



Model			AV08NMVETA	AV10NMVETA	AV12NMVETA	AV14NMVETA	AV16NMVETA	AV18NMVETA	AV20NMVETA	AV22NMVETA	AV24NMVETA	AV26NMVETA
	Combination model		/	/	/	/	/	/	/	/	/	/
			/	/	/	/	/	/	/	/	/	/
			/	/	/	/	/	/	/	/	/	/
			/	/	/	/	/	/	/	/	/	/
Capacity	Capacity range	HP	8	10	12	14	16	18	20	22	24	26
	Cooling	kW	25.2	28.0	33.5	40.0	45.0	50.4	56.0	61.5	68.0	73.5
	Heating	kW	25.2	28.0	33.5	40.0	45.0	50.4	56.0	61.5	68.0	73.5
Electrical Parameters	Power supply	PhV/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	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	6.24	7.37	10.15	11.76	13.24	15.60	16.62	20.16	27.22
		Max. power input	kW	14.3	15.1	16.32	17.58	20.69	25.9	28.91	31.82	37.8
		Rated current	A	10.53	12.44	17.14	19.86	22.34	26.34	28.05	34.04	45.96
		Max. current	A	23.81	25.14	27.17	29.27	34.50	40.30	46.30	51.91	61.91
	Heating	Rated power input	kW	5.25	5.96	8.59	10.00	10.47	13.19	14.66	18.64	22.97
		Max. power input	kW	11.69	12.19	12.69	16.10	19.56	21.93	24.70	25.69	30.40
		Rated current	A	8.86	10.06	14.50	16.88	17.67	22.27	24.75	31.46	38.78
		Max. current	A	19.47	20.30	21.13	26.81	32.57	36.51	41.13	42.78	54.03
	SEER		7.25	7.09	6.69	6.6	6.36	6.78	6.75	6.54	5.83	5.15
	SCOP		4.41	4.31	4.31	4.12	4.05	4.15	4.2	4.21	4.17	3.5
	ηsc	%	287	281	265	261	251	268	267	259	230	203
	ηsh	%	173	169	169	162	159	163	165	165	164	137
Performance	Air flow (H)	m³/h	11000	11000	12000	13500	13500	17000	17000	18000	18000	19000
	Sound power level (H)	dB(A)	81	82	88	88	88	88	88	88	90	90
Installation	External dimensions(W/D/H)	mm	980/750/1690	980/750/1690	980/750/1690	980/750/1690	980/750/1690	1410/750/1690	1410/750/1690	1410/750/1690	1410/750/1690	1410/750/1690
	Shipping dimensions(W/D/H)	mm	1070/850/1858	1070/850/1858	1070/850/1858	1070/850/1858	1070/850/1858	1515/850/1858	1515/850/1858	1515/850/1858	1515/850/1858	1515/850/1858
	Net/Shipping weight	kg	255/280	255/280	255/280	255/280	255/280	385/410	385/410	385/410	385/410	385/410
	Compressor type		DC INV. SCROLL				DC INV. SCROLL					
	Compressor brand		MITSUBISHI ELECTRIC				MITSUBISHI ELECTRIC					
	Compressor quantity		1INV	1INV	1INV	1INV	1INV	2INV	2INV	2INV	2INV	2INV
	Refrigerant type		R410A	R410A	R410A	R410A	R410A	R410A	R410A	R410A	R410A	R410A
	Refrigerant charge (follow specification)	kg	10	10	10	10	10	10	10	10	10	10
	Refrigerant liquid pipe (follow specification)	mm	9.52	9.52	12.7	12.7	12.7	15.88	15.88	15.88	15.88	15.88
	Refrigerant gas pipe(follow specification)	mm	19.05	22.22	25.4	25.4	28.58	28.58	28.58	28.58	28.58	28.58
	Max.total pipe length	m	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000
	Max. pipe length(equivalent/actual)	m	260/220	260/220	260/220	260/220	260/220	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	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	50/40	50/40	50/40	50/40	50/40
	Max. drop between I.U *3	m	30	30	30	30	30	30	30	30	30	30
	Standard drop between I.U *4	m	18	18	18	18	18	18	18	18	18	18
Connection Ratio	External static pressure	Pa	110	110	110	110	110	110	110	110	110	110
	Connectable indoor unit ratio	%	50~130	50~130	50~130	50~130	50~130	50~130	50~130	50~130	50~130	50~130
Working Temp.	Maximum number of indoor units		13	16	20	24	27	30	33	36	40	43
	Cooling	°C	-5~52				-5~52					
	Heating	°C	-27~21				-27~21					

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(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)

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.
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.

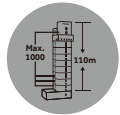


AV08NMVETA
AV10NMVETA
AV12NMVETA
AV14NMVETA
AV16NMVETA



AV18NMVETA
AV20NMVETA
AV22NMVETA
AV24NMVETA
AV26NMVETA

3/380~415/50/60



Total Pipe Length 1000m,
Height Drop 110m



EVI Compressors



Single Module 26HP,
Maximum Combination 104HP



Intelligent Defrosting
Technology

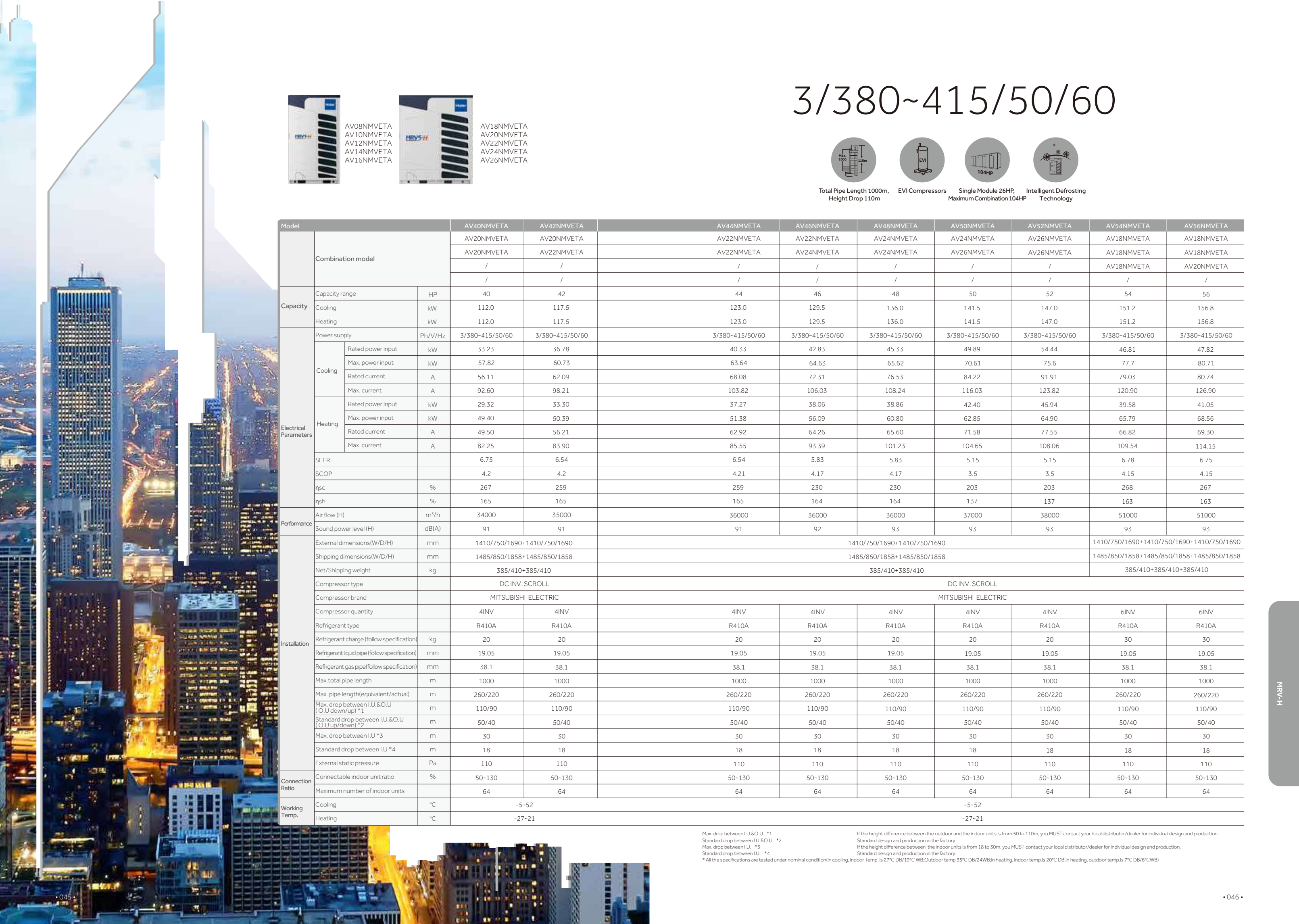
Model			AV28NMVETA	AV30NMVETA	AV32NMVETA	AV34NMVETA	AV36NMVETA	AV38NMVETA	
Combination model			AV14NMVETA	AV14NMVETA	AV16NMVETA	AV16NMVETA	AV18NMVETA	AV18NMVETA	
			AV14NMVETA	AV16NMVETA	AV16NMVETA	AV18NMVETA	AV18NMVETA	AV20NMVETA	
			/	/	/	/	/	/	
			/	/	/	/	/	/	
Capacity	Capacity range	HP	28	30	32	34	36	38	
	Cooling	kW	80.0	85.0	90.0	95.4	100.8	106.4	
	Heating	kW	80.0	85.0	90.0	95.4	100.8	106.4	
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	3/380-415/50/60	
	Cooling	Rated power input	kW	23.53	25.00	26.47	28.84	31.21	32.22
		Max. power input	kW	35.16	38.27	41.38	46.59	51.8	54.81
		Rated current	A	39.72	42.21	44.69	48.69	52.68	54.40
		Max. current	A	58.54	63.77	69.00	74.80	80.60	86.60
	Heating	Rated power input	kW	20.00	20.47	20.93	23.66	26.39	27.85
		Max. power input	kW	32.20	35.66	39.12	41.49	43.86	46.63
		Rated current	A	33.76	34.55	35.33	39.94	44.55	47.02
		Max. current	A	53.61	59.38	65.14	69.08	73.03	77.64
	SEER		6.6	6.36	6.36	6.36	6.78	6.75	
	SCOP		4.12	4.05	4.05	4.05	4.15	4.15	
	ηsc	%	261	251	251	251	268	267	
	ηsh	%	162	159	159	159	163	163	
Performance	Air flow (H)	m³/h	27000	27000	27000	30500	34000	34000	
	Sound power level (H)	dB(A)	91	91	91	91	91	91	
Installation	External dimensions(W/D/H)	mm	980/750/1690+980/750/1690			980/750/1690+1410/750/1690		1410/750/1690+1410/750/1690	
	Shipping dimensions(W/D/H)	mm	1070/850/1858+1070/850/1858			1070/850/1858+1070/850/1858		1070/850/1858+1485/850/1858	
	Net/Shipping weight	kg	255/280+255/280			255/280+255/280		255/280+385/410	
	Compressor type		DC INV. SCROLL			DC INV. SCROLL			
	Compressor brand		MITSUBISHI ELECTRIC			MITSUBISHI ELECTRIC			
	Compressor quantity		2INV	2INV	2INV	3INV	4INV	4INV	
	Refrigerant type		R410A	R410A	R410A	R410A	R410A	R410A	
	Refrigerant charge (follow specification)	kg	20	20	20	20	20	20	
	Refrigerant liquid pipe (follow specification)	mm	15.88	19.05	19.05	19.05	19.05	19.05	
	Refrigerant gas pipe(follow specification)	mm	28.58	31.8	31.8	31.8	38.1	38.1	
	Max. total pipe length	m	1000	1000	1000	1000	1000	1000	
	Max. pipe length(equivalent/actual)	m	260/220	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	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	50/40	
	Max. drop between I.U *3	m	30	30	30	30	30	30	
	Standard drop between I.U *4	m	18	18	18	18	18	18	
	External static pressure	Pa	110	110	110	110	110	110	
Connection Ratio	Connectable indoor unit ratio	%	50-130	50-130	50-130	50-130	50-130	50-130	
	Maximum number of indoor units		47	50	53	56	59	63	
Working Temp.	Cooling	°C	-5-52						
	Heating	°C	-27-21						

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(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)

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.

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.

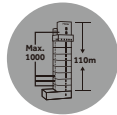


AV08NMVETA
AV10NMVETA
AV12NMVETA
AV14NMVETA
AV16NMVETA



AV18NMVETA
AV20NMVETA
AV22NMVETA
AV24NMVETA
AV26NMVETA

3/380~415/50/60



Total Pipe Length 1000m,
Height Drop 110m



EVI Compressors



Single Module 26HP,
Maximum Combination 104HP



Intelligent Defrosting
Technology

Model			AV40NMVETA	AV42NMVETA	AV44NMVETA	AV46NMVETA	AV48NMVETA	AV50NMVETA	AV52NMVETA	AV54NMVETA	AV56NMVETA
	Combination model		AV20NMVETA	AV20NMVETA	AV22NMVETA	AV22NMVETA	AV24NMVETA	AV24NMVETA	AV26NMVETA	AV18NMVETA	AV18NMVETA
			AV20NMVETA	AV22NMVETA	AV22NMVETA	AV24NMVETA	AV24NMVETA	AV26NMVETA	AV26NMVETA	AV18NMVETA	AV18NMVETA
			/	/	/	/	/	/	/	AV18NMVETA	AV20NMVETA
			/	/	/	/	/	/	/	/	/
Capacity	Capacity range	HP	40	42	44	46	48	50	52	54	56
	Cooling	kW	112.0	117.5	123.0	129.5	136.0	141.5	147.0	151.2	156.8
	Heating	kW	112.0	117.5	123.0	129.5	136.0	141.5	147.0	151.2	156.8
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	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	33.23	36.78	40.33	42.83	45.33	49.89	54.44	47.82
		Max. power input	kW	57.82	60.73	63.64	64.63	65.62	70.61	75.6	80.71
		Rated current	A	56.11	62.09	68.08	72.31	76.53	84.22	91.91	80.74
		Max. current	A	92.60	98.21	103.82	106.03	108.24	116.03	123.82	126.90
	Heating	Rated power input	kW	29.32	33.30	37.27	38.06	38.86	42.40	45.94	41.05
		Max. power input	kW	49.40	50.39	51.38	56.09	60.80	62.85	64.90	68.56
		Rated current	A	49.50	56.21	62.92	64.26	65.60	71.58	77.55	69.30
		Max. current	A	82.25	83.90	85.55	93.39	101.23	104.65	108.06	114.15
	SEER		6.75	6.54	6.54	5.83	5.83	5.15	5.15	6.78	6.75
	SCOP		4.2	4.2	4.21	4.17	4.17	3.5	3.5	4.15	4.15
	ηsc	%	267	259	259	230	230	203	203	268	267
	ηsh	%	165	165	165	164	164	137	137	163	163
Performance	Air flow (H)	m³/h	34000	35000	36000	36000	36000	37000	38000	51000	51000
	Sound power level (H)	dB(A)	91	91	91	92	93	93	93	93	93
Installation	External dimensions(W/D/H)	mm	1410/750/1690+1410/750/1690				1410/750/1690+1410/750/1690				1410/750/1690+1410/750/1690+1410/750/1690
	Shipping dimensions(W/D/H)	mm	1485/850/1858+1485/850/1858				1485/850/1858+1485/850/1858				1485/850/1858+1485/850/1858+1485/850/1858
	Net/Shipping weight	kg	385/410+385/410				385/410+385/410				385/410+385/410+385/410
	Compressor type		DC INV. SCROLL				DC INV. SCROLL				
	Compressor brand		MITSUBISHI ELECTRIC				MITSUBISHI ELECTRIC				
	Compressor quantity		4INV	4INV	4INV	4INV	4INV	4INV	4INV	6INV	6INV
	Refrigerant type		R410A	R410A	R410A	R410A	R410A	R410A	R410A	R410A	R410A
	Refrigerant charge (follow specification)	kg	20	20	20	20	20	20	20	30	30
	Refrigerant liquid pipe (follow specification)	mm	19.05	19.05	19.05	19.05	19.05	19.05	19.05	19.05	19.05
	Refrigerant gas pipe(follow specification)	mm	38.1	38.1	38.1	38.1	38.1	38.1	38.1	38.1	38.1
	Max. total pipe length	m	1000	1000	1000	1000	1000	1000	1000	1000	1000
	Max. pipe length(equivalent/actual)	m	260/220	260/220	260/220	260/220	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	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	50/40	50/40	50/40	50/40
	Max. drop between I.U *3	m	30	30	30	30	30	30	30	30	30
	Standard drop between I.U *4	m	18	18	18	18	18	18	18	18	18
Connection Ratio	External static pressure	Pa	110	110	110	110	110	110	110	110	110
	Connectable indoor unit ratio	%	50~130	50~130	50~130	50~130	50~130	50~130	50~130	50~130	50~130
Working Temp.	Maximum number of indoor units		64	64	64	64	64	64	64	64	64
	Cooling	°C	-5~52				-5~52				
	Heating	°C	-27~21				-27~21				

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(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)

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.
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Standard design and production in the factory.

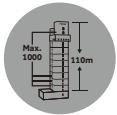


AV08NMVETA
AV10NMVETA
AV12NMVETA
AV14NMVETA
AV16NMVETA



AV18NMVETA
AV20NMVETA
AV22NMVETA
AV24NMVETA
AV26NMVETA

3/380~415/50/60



Total Pipe Length 1000m,
Height Drop 110m



EVI Compressors



Single Module 26HP,
Maximum Combination 104HP



Intelligent Defrosting
Technology

Model			AV58NMVETA	AV60NMVETA	AV62NMVETA	AV64NMVETA	AV66NMVETA	AV68NMVETA	AV70NMVETA	AV72NMVETA	AV74NMVETA	
	Combination model		AV18NMVETA	AV20NMVETA	AV22NMVETA	AV22NMVETA	AV22NMVETA	AV22NMVETA	AV22NMVETA	AV24NMVETA	AV26NMVETA	
			AV20NMVETA	AV20NMVETA	AV20NMVETA	AV22NMVETA	AV22NMVETA	AV22NMVETA	AV24NMVETA	AV24NMVETA	AV24NMVETA	
			AV20NMVETA	AV20NMVETA	AV20NMVETA	AV20NMVETA	AV22NMVETA	AV24NMVETA	AV24NMVETA	AV24NMVETA	AV24NMVETA	
			/	/	/	/	/	/	/	/	/	
Capacity	Capacity range	HP	58	60	62	64	66	68	70	72	74	
	Cooling	kW	162.4	168.0	173.5	179.0	184.5	191.0	197.5	204.0	209.5	
	Heating	kW	162.4	168.0	173.5	179.0	184.5	191.0	197.5	204.0	209.5	
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	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	48.84	49.85	53.40	56.95	60.49	62.99	65.50	68.00	72.56
		Max. power input	kW	83.72	86.73	89.64	92.55	95.46	96.45	97.44	98.43	103.42
		Rated current	A	82.45	84.16	90.15	96.14	102.12	106.35	110.57	114.80	122.49
		Max. current	A	132.90	138.90	144.51	150.12	155.73	157.94	160.15	162.36	170.15
	Heating	Rated power input	kW	42.51	43.98	47.96	51.93	55.91	56.70	57.49	58.29	61.83
		Max. power input	kW	71.33	74.10	75.09	76.08	77.08	81.78	86.49	91.20	93.25
		Rated current	A	71.77	74.25	80.96	87.67	94.39	95.72	97.06	98.40	104.37
		Max. current	A	118.76	123.38	125.03	126.68	128.33	136.17	144.01	151.85	155.26
	SEER		6.75	6.75	6.54	6.54	6.54	5.83	5.83	5.83	5.15	
	SCOP		4.15	4.2	4.2	4.2	4.21	4.17	4.17	4.17	3.5	
	ηsc	%	267	267	259	259	259	230	230	230	203	
ηsh	%	163	165	165	165	165	164	164	164	137		
Performance	Air flow (H)	m³/h	51000	51000	52000	53000	54000	54000	54000	54000	55000	
	Sound power level (H)	dB(A)	93	93	93	93	93	94	94	95	95	
Installation	External dimensions(W/D/H)	mm	1410/750/1690+1410/750/1690+1410/750/1690			1410/750/1690+1410/750/1690+1410/750/1690						
	Shipping dimensions(W/D/H)	mm	1485/850/1858+1485/850/1858+1485/850/1858			1485/850/1858+1485/850/1858+1485/850/1858						
	Net/Shipping weight	kg	385/410+385/410+385/410			385/410+385/410+385/410						
	Compressor type		DC INV. SCROLL			DC INV. SCROLL						
	Compressor brand		MITSUBISHI ELECTRIC			MITSUBISHI ELECTRIC						
	Compressor quantity		6INV	6INV	6INV	6INV	6INV	6INV	6INV	6INV	6INV	
	Refrigerant type		R410A	R410A	R410A	R410A	R410A	R410A	R410A	R410A	R410A	
	Refrigerant charge (follow specification)	kg	30	30	30	30	30	30	30	30	30	
	Refrigerant liquid pipe (follow specification)	mm	19.05	19.05	19.05	19.05	19.05	22.2	22.2	22.2	22.2	
	Refrigerant gas pipe(follow specification)	mm	41.3	41.3	41.3	41.3	41.3	44.5	44.5	44.5	44.5	
	Max. total pipe length	m	1000	1000	1000	1000	1000	1000	1000	1000	1000	
	Max. pipe length(Equivalent/Actual)	m	260/220	260/220	260/220	260/220	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	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	50/40	50/40	50/40	50/40	
	Max. drop between I.U *3	m	30	30	30	30	30	30	30	30	30	
	Standard drop between I.U *4	m	18	18	18	18	18	18	18	18	18	
	External static pressure	Pa	110	110	110	110	110	110	110	110	110	
Connection Ratio	Connectable indoor unit ratio	%	50-130	50-130	50-130	50-130	50-130	50-130	50-130	50-130	50-130	
	Maximum number of indoor units		64	64	64	64	64	64	64	64	64	
Working Temp.	Cooling	°C	-5-52			-5-52						
	Heating	°C	-27-21			-27-21						

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(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)

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.
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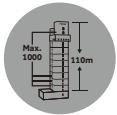


AV08NMVETA
AV10NMVETA
AV12NMVETA
AV14NMVETA
AV16NMVETA



AV18NMVETA
AV20NMVETA
AV22NMVETA
AV24NMVETA
AV26NMVETA

3/380~415/50/60



Total Pipe Length 1000m,
Height Drop 110m



EVI Compressors



Single Module 26HP,
Maximum Combination 104HP



Intelligent Defrosting
Technology

Model			AV76NMVETA	AV78NMVETA	AV80NMVETA	AV82NMVETA	AV84NMVETA	AV86NMVETA	AV88NMVETA	AV90NMVETA	AV92NMVETA
	Combination model		AV26NMVETA	AV26NMVETA	AV20NMVETA	AV20NMVETA	AV20NMVETA	AV20NMVETA	AV22NMVETA	AV24NMVETA	AV24NMVETA
			AV26NMVETA	AV26NMVETA	AV20NMVETA	AV20NMVETA	AV20NMVETA	AV22NMVETA	AV22NMVETA	AV22NMVETA	AV24NMVETA
			AV24NMVETA	AV26NMVETA	AV20NMVETA	AV20NMVETA	AV22NMVETA	AV22NMVETA	AV22NMVETA	AV22NMVETA	AV22NMVETA
			/	/	AV20NMVETA	AV22NMVETA	AV22NMVETA	AV22NMVETA	AV22NMVETA	AV22NMVETA	AV22NMVETA
Capacity	Capacity range	HP	76	78	80	82	84	86	88	90	92
	Cooling	kW	215.0	220.5	224.0	229.5	235.0	240.5	246.0	252.5	259.0
	Heating	kW	215.0	220.5	224.0	229.5	235.0	240.5	246.0	252.5	259.0
	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	3/380-415/50/60	3/380-415/50/60	3/380-415/50/60	3/380-415/50/60
Electrical Parameters	Cooling	Rated power input	kW	77.11	81.67	66.47	70.02	73.56	77.11	80.66	83.16
		Max. power input	kW	108.41	113.4	115.64	118.55	121.46	124.37	127.28	129.26
		Rated current	A	130.18	137.87	112.21	118.20	124.19	130.18	136.16	140.39
		Max. current	A	177.94	185.73	185.20	190.81	196.42	202.03	207.64	209.85
	Heating	Rated power input	kW	65.37	68.91	58.64	62.62	66.59	70.57	74.55	75.34
		Max. power input	kW	95.30	97.35	98.80	99.79	100.78	101.78	102.77	107.48
		Rated current	A	110.35	116.33	98.99	105.71	112.42	119.13	125.85	127.19
		Max. current	A	158.67	162.09	164.50	166.15	167.81	169.46	171.11	178.95
	SEER			5.15	5.15	6.75	6.54	6.54	6.54	6.54	5.83
	SCOP			3.5	3.5	4.2	4.2	4.2	4.2	4.21	4.17
	ηsc	%		203	203	267	259	259	259	259	230
	ηsh	%		137	137	165	165	165	165	165	164
Performance	Air flow (H)	m³/h		56000	57000	68000	69000	70000	71000	72000	72000
	Sound power level (H)	dB(A)		95	95	94	94	94	94	94	95
Installation	External dimensions(W/D/H)	mm	1410/750/1690+1410/750/1690+1410/750/1690								
	Shipping dimensions(W/D/H)	mm	1485/850/1858+1485/850/1858+1485/850/1858								
	Net/Shipping weight	kg	385/410+385/410+385/410								
	Compressor type		DC INV. SCROLL								
	Compressor brand		MITSUBISHI ELECTRIC								
	Compressor quantity		6INV	6INV	8INV	8INV	8INV	8INV	8INV	8INV	8INV
	Refrigerant type		R410A	R410A	R410A	R410A	R410A	R410A	R410A	R410A	R410A
	Refrigerant charge (follow specification)	kg	30	30	40	40	40	40	40	40	40
	Refrigerant liquid pipe (follow specification)	mm	22.2	22.2	22.2	22.2	22.2	25.4	25.4	25.4	25.4
	Refrigerant gas pipe(follow specification)	mm	44.5	44.5	44.5	44.5	44.5	50.8	50.8	50.8	50.8
	Max. total pipe length	m	1000	1000	1000	1000	1000	1000	1000	1000	1000
	Max. pipe length(Equivalent/Actual)	m	260/220	260/220	260/220	260/220	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	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	50/40	50/40	50/40	50/40
	Max. drop between I.U *3	m	30	30	30	30	30	30	30	30	30
	Standard drop between I.U *4	m	18	18	18	18	18	18	18	18	18
	External static pressure	Pa	110	110	110	110	110	110	110	110	110
Connection Ratio	Connectable indoor unit ratio	%	50~130	50~130	50~130	50~130	50~130	50~130	50~130	50~130	50~130
	Maximum number of indoor units		64	64	64	64	64	64	64	64	64
Working Temp.	Cooling	°C	-5~52								
	Heating	°C	-27~21								

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(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)

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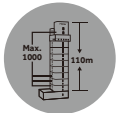


AV08NMVETA
AV10NMVETA
AV12NMVETA
AV14NMVETA
AV16NMVETA



AV18NMVETA
AV20NMVETA
AV22NMVETA
AV24NMVETA
AV26NMVETA

3/380~415/50/60



Total Pipe Length 1000m,
Height Drop 110m



EVI Compressors



Single Module 26HP,
Maximum Combination 104HP

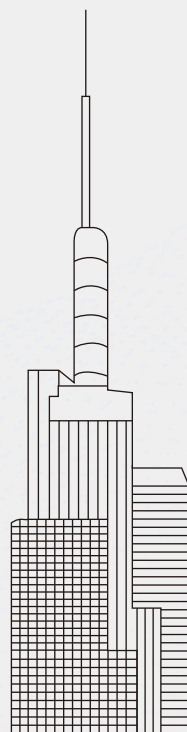


Intelligent Defrosting
Technology

Model	Combination model		AV94NMVETA	AV96NMVETA	AV98NMVETA	AV100NMVETA	AV102NMVETA	AV104NMVETA	
			AV24NMVETA	AV24NMVETA	AV26NMVETA	AV26NMVETA	AV26NMVETA	AV26NMVETA	
			AV24NMVETA	AV24NMVETA	AV24NMVETA	AV26NMVETA	AV26NMVETA	AV26NMVETA	
			AV24NMVETA	AV24NMVETA	AV24NMVETA	AV24NMVETA	AV26NMVETA	AV26NMVETA	
			AV22NMVETA	AV24NMVETA	AV24NMVETA	AV24NMVETA	AV24NMVETA	AV26NMVETA	
Capacity	Capacity range	HP	94	96	98	100	102	104	
	Cooling	kW	265.5	272.0	277.5	283.0	288.5	294.0	
	Heating	kW	265.5	272.0	277.5	283.0	288.5	294.0	
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	3/380~415/50/60	
	Cooling	Rated power input	kW	88.16	90.67	95.22	99.78	104.33	108.89
		Max. power input	kW	130.25	131.24	136.23	141.22	146.21	151.2
		Rated current	A	148.84	153.06	160.75	168.45	176.14	183.83
		Max. current	A	214.27	216.48	224.27	232.06	239.85	247.64
	Heating	Rated power input	kW	76.92	77.71	81.25	84.79	88.33	91.88
		Max. power input	kW	116.89	121.60	123.65	125.70	127.75	129.80
		Rated current	A	129.86	131.20	137.17	143.15	149.13	155.10
		Max. current	A	194.63	202.46	205.88	209.29	212.70	216.12
	SEER		5.83	5.83	5.15	5.15	5.15	5.15	
	SCOP		4.17	4.17	3.5	3.5	3.5	3.5	
	ηsc	%	230	230	203	203	203	203	
	ηsh	%	164	164	137	137	137	137	
Performance	Air flow (H)	m³/h	72000	72000	73000	74000	75000	76000	
	Sound power level (H)	dB(A)	96	94	95	95	96	96	
Installation	External dimensions(W/D/H)	mm	1410/750/1690+1410/750/1690+1410/750/1690+1410/750/1690	1410/750/1690+1410/750/1690+1410/750/1690+1410/750/1690					
	Shipping dimensions(W/D/H)	mm	1485/850/1858+1485/850/1858+1485/850/1858+1485/850/1858	1485/850/1858+1485/850/1858+1485/850/1858+1485/850/1858					
	Net/Shipping weight	kg	385/410+385/410+385/410+385/410	385/410+385/410+385/410+385/410					
	Compressor type		DC INV. SCROLL	DC INV. SCROLL					
	Compressor brand		MITSUBISHI ELECTRIC	MITSUBISHI ELECTRIC					
	Compressor quantity		8INV	8INV	8INV	8INV	8INV	8INV	
	Refrigerant type		R410A	R410A	R410A	R410A	R410A	R410A	
	Refrigerant charge (follow specification)	kg	40	40	40	40	40	40	
	Refrigerant liquid pipe (follow specification)	mm	25.4	25.4	25.4	25.4	25.4	25.4	
	Refrigerant gas pipe(follow specification)	mm	50.8	50.8	54.1	54.1	54.1	54.1	
	Max. total pipe length	m	1000	1000	1000	1000	1000	1000	
	Max. pipe length(Equivalent/Actual)	m	260/220	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	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	50/40	
	Max. drop between I.U *3	m	30	30	30	30	30	30	
	Standard drop between I.U *4	m	18	18	18	18	18	18	
	External static pressure	Pa	110	110	110	110	110	110	
Connection Ratio	Connectable indoor unit ratio	%	50~130	50~130	50~130	50~130	50~130	50~130	
	Maximum number of indoor units		64	64	64	64	64	64	
Working Temp.	Cooling	°C	-5~52						
	Heating	°C	-27~21						

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(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)

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Standard design and production in the factory.



MRV5-RC

DC INVERTER

055 Features & Benefits

058 MRV 5-RC Outdoor



MRV5-RC



Advanced Technology



System Introduction



High Efficiency



Easy Installation



Advanced Technology

What is heat recover VRF unit?

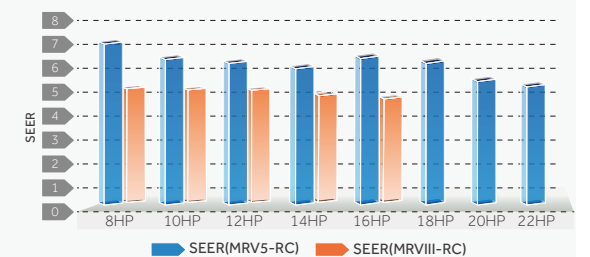
With large capacity full DC inverter compressor, MRV 5-RC can reach single module 22HP, maximum combination 88HP.



High Efficiency

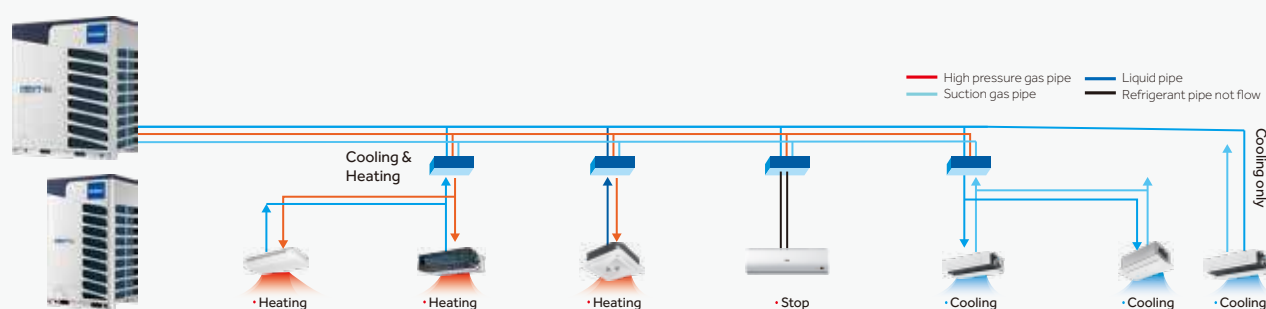
Full DC inverter technology

New generation heat recovery MRV, continue the excellent feature of MRV 5. Full DC inverter compressor, speedless inverter DC motor, large diameter fan of 700mm, new 4-way heat exchanger. SEER up to 7.05(8HP), more efficiency. Single module up to 22HP, saving the installation space.



System Introduction

Variable operation mode in one system



What is heat recovery VRF unit?

For the heat pump series, the units within one system can only work in the same mode. Now Haier heat recovery series, due to heat recovery pipeline design of outdoor unit and the new valve box, can achieve cooling and heating simultaneously in one system. In addition, multiple indoor unit types are provide to meet various project demands.



Two stage cooling technology

Two stage cooling of the MRV 5-RC, the subcooling degree is up to 30 °C, which greatly improves the cooling and heating capacity of the system, reduces the pressure loss of the refrigerant of the system, improve the system capability and the long piping capability.

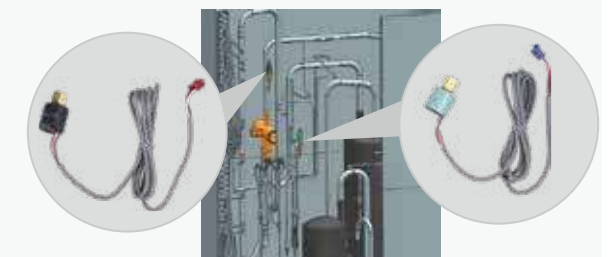


Condenser cooling

Plate heat exchanger cooling

Twin pressure sensors

High pressure sensor used to real-time monitor the high pressure change. Protecting MRV 5-RC against the impact of high pressure momentary changes. Low pressure sensor used to real-time feedback compressor suction pressure, so our unit rapidly respond the change of room load.



High Efficiency

Three layers fin and new four-way heat exchanger

New three layers fin and four way heat exchanger, increase the heat exchange area, realize big capacity.

Common three-way heat exchange VS Haier new four-way heat exchanger

Heat transfer efficiency increased by 30%

Easy Installation

VP (valve pipe) box structure overview

Overview

- Specially designed for MRV 5-RC, volume is small to 0.02m³ (for VP1 box), 0.05m³ (for VP4 box). Greatly reduced the installation space.
- Individual valve and pipe box for heat recovery.
- The valve box can be connected in series, reduce the use of diverging pipes and reduce the installation cost.

Model name	Max.capacity of indoor(kw)	Power supply	Max. indoor units	Dimension
VP1-112C	≤11.2	1/220-240/50/60	5	388×200×277
VP1-180C	11.2<≤18	1/220-240/50/60	8	388×200×277
VP1-280C	18<≤28	1/220-240/50/60	8	388×200×277
VP4-450C	≤ 45	1/220-240/50/60	20	396×290×411

Auto addressing indoor units and oil balancing

Continue auto addressing indoor units and oil balancing of MRV 5-RC, improving the easy installation of system, greatly reduce the lab.

No additional oil balance pipe required

Door-type electric control box

Door-type design, the maintenance panel could be opened like a door, no need to remove the panel, more convenience.

Four-way pipe connection

4-way (front, back, left & right) pipe connection, according to the actual installation conditions to choice pipe connection flexible.



Model			AV08IMVURA	AV10IMVURA	AV12IMVURA	AV14IMVURA	
	Combination model		/	/	/	/	
			/	/	/	/	
			/	/	/	/	
			/	/	/	/	
Capacity	Capacity range	HP	8	10	12	14	
	Cooling	kW	22.4	28	33.5	40	
	Heating	kW	22.4	28	33.5	40	
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	5.83	7.67	9.94	12.31
		Max power input	kW	12.80	13.80	18.20	19.20
		Rated current	A	9.63	12.67	16.43	20.33
		Max current	A	21.14	22.79	30.06	31.71
	Heating	Rated power input	kW	5.38	6.67	8.77	10.53
		Max power input	kW	11.50	12.50	17.40	18.40
		Rated current	A	8.88	11.01	14.48	17.38
		Max current	A	18.99	20.64	28.74	30.39
	SEER			6.12	6.68	6.46	6.37
	SCOP			3.82	3.94	3.99	3.86
	ηs,c		%	242	264	255	252
	ηs,h		%	150	155	157	151
	Performance	Air flow (H)	m³/h	12000	12000	13500	13500
Sound pressure level (H)		dB(A)	57	58	60	61	
Installation	External dimensions(W/D/H)		mm	980/750/1690			
	Shipping dimensions(W/D/H)		mm	1070/850/1858			
	Net/Shipping weight		kg	246/271		257/282	
	Compressor type			DC INV. SCROLL	DC INV. SCROLL	DC INV. SCROLL	DC INV. SCROLL
	Compressor brand			MITSUBISHI ELECTRIC	MITSUBISHI ELECTRIC	MITSUBISHI ELECTRIC	MITSUBISHI ELECTRIC
	Compressor quantity			1INV	1INV	1INV	1INV
	Refrigerant type			R410A	R410A	R410A	R410A
	Refrigerant charge		kg	10	10	10	10
	Refrigerant liquid pipe		mm	9.52	9.52	12.7	12.7
	Refrigerant gas pipe		mm	19.05	22.22	25.4	25.4
	Refrigerant high gas pipe		mm	19.05	19.05	22.22	22.22
	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		13	16	20	24	
Working Temp.	Cooling	℃	-5-50				
	Heating	℃	-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
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.
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.
* 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)

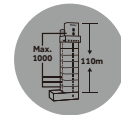


AV08IMVURA
AV10IMVURA
AV12IMVURA
AV14IMVURA



AV16IMVURA
AV18IMVURA
AV20IMVURA
AV22IMVURA

3/380~415/50/60



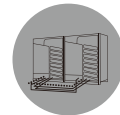
Total Pipe Length 1000m,
Height Drop 110m



Full DC Inverter
Compressors



Single Module 22HP,
Maximum Combination 88HP



Automatic
Oil Balancing

Model			AV16IMVURA	AV18IMVURA	AV20IMVURA	AV22IMVURA	AV24IMVURA	AV26IMVURA	AV28IMVURA	AV30IMVURA
	Combination model		/	/	/	/	AV12IMVURA	AV12IMVURA	AV14IMVURA	AV14IMVURA
			/	/	/	/	AV12IMVURA	AV14IMVURA	AV14IMVURA	AV16IMVURA
			/	/	/	/	/	/	/	/
			/	/	/	/	/	/	/	/
Capacity	Capacity range	HP	16	18	20	22	24	26	28	30
	Cooling	kW	45	50	56	60	67.0	73.5	80.0	85.0
	Heating	kW	45	50	56	60	67.0	73.5	80.0	85.0
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	3/380-415/50/60	3/380-415/50/60	3/380-415/50/60
	Cooling	Rated power input	kW	13.93	16.13	18.67	20.00	19.88	22.25	24.62
		Max power input	kW	25.10	28.50	32.00	33.00	36.400	37.40	44.30
		Rated current	A	23.01	26.64	30.83	33.03	32.83	36.74	40.65
		Max current	A	41.45	47.07	52.85	54.50	60.11	61.77	63.42
	Heating	Rated power input	kW	11.39	13.70	15.77	17.91	17.54	19.30	21.05
		Max power input	kW	22.70	25.50	29.40	30.40	34.800	35.80	36.80
		Rated current	A	18.81	22.62	26.05	29.58	28.97	31.87	34.77
		Max current	A	37.49	42.11	48.55	50.21	57.472	59.12	60.78
	SEER			6.86	6.48	4.73	5.63	6.46	6.37	6.37
	SCOP			4.21	3.99	3.91	3.50	3.99	3.86	3.86
	ηs.c	%		271	256	233	222	255	252	252
Performance		ηs.h	%	165	157	154	137	157	151	151
	Air flow (H)	m³/h	17000	17000	19000	19000	27000	27000	27000	30500
	Sound pressure level (H)	dB(A)	62	63	63	64	63	63.5	64	64.5
Installation	External dimensions(W/D/H)	mm	1410/750/1690			1410/750/1690		980/750/1690+980/750/1690		
	Shipping dimensions(W/D/H)	mm	1485/850/1858			1485/850/1858		1070/850/1858+1070/850/1858		
	Net/Shipping weight	kg	366/395			375/404		246/271+246/271		
	Compressor type		DC INV. SCROLL	DC INV. SCROLL	DC INV. SCROLL	DC INV. SCROLL	DC INV. SCROLL	DC INV. SCROLL	DC INV. SCROLL	DC INV. SCROLL
	Compressor brand		DAIKIN	DAIKIN	DAIKIN	DAIKIN	DAIKIN	DAIKIN	DAIKIN	DAIKIN
	Compressor quantity		2INV	2INV	2INV	2INV	2INV	2INV	2INV	3INV
	Refrigerant type		R410A	R410A	R410A	R410A	R410A	R410A	R410A	R410A
	Refrigerant charge	kg	10	10	10	10	20	20	20	20
	Refrigerant liquid pipe	mm	12.7	15.88	15.88	15.88	15.88	15.88	15.88	19.05
	Refrigerant gas pipe	mm	28.58	28.58	28.58	28.58	28.58	28.58	28.58	31.8
	Refrigerant high gas pipe	mm	25.4	25.4	25.4	25.4	25.4	25.4	25.4	28.58
	Max.total pipe lenth	m	1000	1000	1000	1000	1000	1000	1000	1000
	Max. pipe length (equivalent/actual)	m	260/220	260/220	260/220	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	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	50/40	50/40	50/40
	Max. drop between I.U. *3	m	30	30	30	30	30	30	30	30
	Standard drop between I.U. *4	m	18	18	18	18	18	18	18	18
	External static pressure	Pa	110	110	110	110	110	110	110	110
Connection Ratio	Connectable indoor unit ratio	%	50-130	50-130	50-130	50-130	50-130	50-130	50-130	50-130
	Maximum number of indoor units		27	30	33	36	40	43	47	50
Working Temp.	Cooling	°C	-5~50			-5~50				
	Heating	°C	-23~21			-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

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.
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.
* 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)

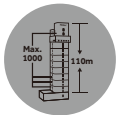


AV08IMVURA
AV10IMVURA
AV12IMVURA
AV14IMVURA



AV16IMVURA
AV18IMVURA
AV20IMVURA
AV22IMVURA

3/380~415/50/60



Total Pipe Length 1000m,
Height Drop 110m



Full DC Inverter
Compressors



Single Module 22HP,
Maximum Combination 88HP



Automatic
Oil Balancing

Model			AV32IMVURA	AV34IMVURA	AV36IMVURA	AV38IMVURA	AV40IMVURA	AV42IMVURA	AV44IMVURA	AV46IMVURA
	Combination model		AV16IMVURA	AV16IMVURA	AV18IMVURA	AV18IMVURA	AV20IMVURA	AV20IMVURA	AV22IMVURA	AV14IMVURA
			AV16IMVURA	AV18IMVURA	AV18IMVURA	AV20IMVURA	AV20IMVURA	AV22IMVURA	AV22IMVURA	AV16IMVURA
			/	/	/	/	/	/	/	AV16IMVURA
			/	/	/	/	/	/	/	/
Capacity	Capacity range	HP	32	34	36	38	40	42	44	46
	Cooling	kW	90.0	95.0	100.0	106.0	112.0	116.0	120.0	130.0
	Heating	kW	90.0	95.0	100.0	106.0	112.0	116.0	120.0	130.0
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	3/380-415/50/60	3/380-415/50/60	3/380-415/50/60
	Cooling	Rated power input	kW	27.86	30.06	32.26	33.36	34.46	37.23	40.17
		Max power input	kW	50.20	53.60	57.00	60.50	64.00	65.00	69.40
		Rated current	A	46.02	49.65	53.27	55.09	56.91	61.49	66.34
		Max current	A	82.91	88.52	94.14	99.92	105.70	107.35	114.61
	Heating	Rated power input	kW	22.78	25.09	27.40	29.47	31.54	33.68	35.82
		Max power input	kW	45.40	48.20	51.00	54.90	58.80	59.80	60.80
		Rated current	A	37.63	41.44	45.25	48.67	52.09	55.62	59.16
		Max current	A	74.98	79.60	84.23	90.67	97.11	98.76	100.41
	SEER			6.86	6.48	6.48	5.90	5.90	5.63	5.63
	SCOP			4.21	3.99	3.99	3.93	3.93	3.50	3.50
Performance	ηs.c	%		271	256	256	233	233	222	252
	ηs.h	%		165	157	157	154	154	137	137
	Air flow (H)	m³/h		34000	34000	34000	36000	38000	38000	47500
Installation	Sound pressure level (H)	dB(A)		65	65.5	66	66	66	66.5	67
	External dimensions(W/D/H)	mm	1410/750/1690+1410/750/1690				1410/750/1690+1410/750/1690			
	Shipping dimensions(W/D/H)	mm	1485/850/1858+1485/850/1858				1485/850/1858+1485/850/1858			
	Net/Shipping weight	kg	366/395+366/395		366/395+366/395	366/395+375/404		375/404+375/404		257/282+366/395+366/395
	Compressor type		DC INV. SCROLL	DC INV. SCROLL	DC INV. SCROLL	DC INV. SCROLL	DC INV. SCROLL	DC INV. SCROLL	DC INV. SCROLL	DC INV. SCROLL
	Compressor brand		MITSUBISHI ELECTRIC	MITSUBISHI ELECTRIC	MITSUBISHI ELECTRIC	MITSUBISHI ELECTRIC	MITSUBISHI ELECTRIC	MITSUBISHI ELECTRIC	MITSUBISHI ELECTRIC	MITSUBISHI ELECTRIC
	Compressor quantity		4INV	4INV	4INV	4INV	4INV	4INV	4INV	5INV
	Refrigerant type		R410A	R410A	R410A	R410A	R410A	R410A	R410A	R410A
	Refrigerant charge	kg	20	20	20	20	20	20	20	30
	Refrigerant liquid pipe	mm	19.05	19.05	19.05	19.05	19.05	19.05	19.05	19.05
	Refrigerant gas pipe	mm	31.8	31.8	31.8	31.8	31.8	31.8	31.8	31.8
	Refrigerant high gas pipe	mm	28.58	28.58	34.9	34.9	34.9	34.9	34.9	34.9
	Max.total pipe lenth	m	1000	1000	1000	1000	1000	1000	1000	1000
	Max. pipe length (Equivalent/Actual)	m	260/220	260/220	260/220	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	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	50/40	50/40	50/40
	Max. drop between I.U. *3	m	30	30	30	30	30	30	30	30
	Standard drop between I.U. *4	m	18	18	18	18	18	18	18	18
	External static pressure	Pa	110	110	110	110	110	110	110	110
Connection Ratio	Connectable indoor unit ratio	%	50~130	50~130	50~130	50~130	50~130	50~130	50~130	50~130
	Maximum number of indoor units		53	56	59	63	64	64	64	64
Working Temp.	Cooling	°C	-5~50				-5~50			
	Heating	°C	-23~21				-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

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.
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.
* 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)

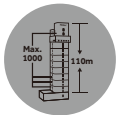


AV08IMVURA
AV10IMVURA
AV12IMVURA
AV14IMVURA



AV16IMVURA
AV18IMVURA
AV20IMVURA
AV22IMVURA

3/380~415/50/60



Total Pipe Length 1000m,
Height Drop 110m



Full DC Inverter
Compressors



Single Module 22HP,
Maximum Combination 88HP



Automatic
Oil Balancing

Model			AV48IMVURA	AV50IMVURA	AV52IMVURA	AV54IMVURA	AV56IMVURA	AV58IMVURA	AV60IMVURA			
	Combination model		AV16IMVURA	AV16IMVURA	AV16IMVURA	AV18IMVURA	AV18IMVURA	AV18IMVURA	AV20IMVURA			
			AV16IMVURA	AV16IMVURA	AV18IMVURA	AV18IMVURA	AV18IMVURA	AV20IMVURA	AV20IMVURA			
			AV16IMVURA	AV18IMVURA	AV18IMVURA	AV18IMVURA	AV20IMVURA	AV20IMVURA	AV20IMVURA			
			/	/	/	/	/	/	/			
Capacity	Capacity range	HP	48	50	52	54	56	58	60			
	Cooling	kW	135.0	140.0	145.0	150.0	156.0	162.0	168.0			
	Heating	kW	135.0	140.0	145.0	150.0	156.0	162.0	168.0			
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	3/380-415/50/60	3/380-415/50/60			
	Cooling	Rated power input	kW	41.80	43.99	46.19	48.39	49.49	50.59	51.69		
		Max power input	kW	75.30	78.70	82.10	85.50	89.00	92.50	96.00		
		Rated current	A	69.03	72.65	76.28	79.91	81.73	83.55	85.37		
		Max current	A	124.36	129.97	135.59	141.20	146.98	152.76	158.54		
	Heating	Rated power input	kW	34.18	36.48	38.79	41.10	43.17	45.24	47.31		
		Max power input	kW	68.10	70.90	73.70	76.50	80.40	84.30	88.20		
		Rated current	A	56.44	60.25	64.06	67.87	71.29	74.71	78.13		
		Max current	A	112.47	117.09	121.72	126.34	132.78	139.22	145.66		
	SEER		6.86	6.48	6.48	6.48	5.90	5.90	5.90			
	SCOP		4.21	3.99	3.99	3.99	3.93	3.93	3.93			
	ηs.c	%	271	256	256	256	233	233	233			
	ηs.h	%	165	157	157	157	154	154	154			
Performance	Air flow (H)	m³/h	51000	51000	51000	51000	53000	55000	57000			
	Sound pressure level (H)	dB(A)	67	67	67.5	68	68	68	68			
Installation	External dimensions(W/D/H)	mm	1410/750/1690+1410/750/1690+1410/750/1690									
	Shipping dimensions(W/D/H)	mm	1485/850/1858+1485/850/1858+1485/850/1858									
	Net/Shipping weight	kg	366/395+366/395+366/395				366/395+366/395+366/395			366/395+366/395+375/404	366/395+375/404+375/404	375/404+375/404+375/404
	Compressor type		DC INV. SCROLL	DC INV. SCROLL	DC INV. SCROLL	DC INV. SCROLL	DC INV. SCROLL	DC INV. SCROLL	DC INV. SCROLL	DC INV. SCROLL		
	Compressor brand		DAIKIN	DAIKIN	DAIKIN	DAIKIN	DAIKIN	DAIKIN	DAIKIN	DAIKIN		
			MITSUBISHI ELECTRIC	MITSUBISHI ELECTRIC	MITSUBISHI ELECTRIC	MITSUBISHI ELECTRIC	MITSUBISHI ELECTRIC	MITSUBISHI ELECTRIC	MITSUBISHI ELECTRIC	MITSUBISHI ELECTRIC		
	Compressor quantity		6INV	6INV	6INV	6INV	6INV	6INV	6INV	6INV		
	Refrigerant type		R410A	R410A	R410A	R410A	R410A	R410A	R410A	R410A		
	Refrigerant charge	kg	30	30	30	30	30	30	30	30		
	Refrigerant liquid pipe	mm	19.05	19.05	19.05	19.05	19.05	19.05	19.05	19.05		
	Refrigerant gas pipe	mm	31.8	31.8	31.8	31.8	31.8	41.3	41.3			
	Refrigerant high gas pipe	mm	34.9	34.9	34.9	34.9	34.9	38.1	38.1			
	Max.total pipe lenth	m	1000	1000	1000	1000	1000	1000	1000			
	Max. pipe length (equivalent/actual)	m	260/220	260/220	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	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	50/40	50/40			
	Max. drop between I.U. *3	m	30	30	30	30	30	30	30			
	Standard drop between I.U. *4	m	18	18	18	18	18	18	18			
External static pressure	Pa	110	110	110	110	110	110	110				
Connection Ratio	Connectable indoor unit ratio	%	50~130	50~130	50~130	50~130	50~130	50~130	50~130			
	Maximum number of indoor units		64	64	64	64	64	64	64			
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

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.
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.
* 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)

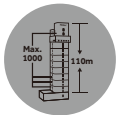


AV08IMVURA
AV10IMVURA
AV12IMVURA
AV14IMVURA



AV16IMVURA
AV18IMVURA
AV20IMVURA
AV22IMVURA

3/380~415/50/60



Total Pipe Length 1000m,
Height Drop 110m



Full DC Inverter
Compressors



Single Module 22HP,
Maximum Combination 88HP



Automatic
Oil Balancing

Model			AV62IMVURA	AV64IMVURA	AV66IMVURA	AV68IMVURA	AV70IMVURA	AV72IMVURA
	Combination model		AV20IMVURA	AV20IMVURA	AV22IMVURA	AV16IMVURA	AV16IMVURA	AV18IMVURA
			AV20IMVURA	AV22IMVURA	AV22IMVURA	AV16IMVURA	AV18IMVURA	AV18IMVURA
			AV22IMVURA	AV22IMVURA	AV22IMVURA	AV18IMVURA	AV18IMVURA	AV18IMVURA
			/	/	/	AV18IMVURA	AV18IMVURA	AV18IMVURA
Capacity	Capacity range	HP	62	64	66	68	70	72
	Cooling	kW	172.0	176.0	180.0	190.0	195.0	200.0
	Heating	kW	172.0	176.0	180.0	190.0	195.0	200.0
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	3/380-415/50/60
	Cooling	Rated power input	kW	54.46	57.23	60.00	60.12	62.32
		Max power input	kW	97.00	98.00	99.00	107.20	110.60
		Rated current	A	89.94	94.52	99.09	99.29	102.92
		Max current	A	160.20	161.85	163.50	177.04	188.27
	Heating	Rated power input	kW	49.45	51.59	53.73	50.18	52.49
		Max power input	kW	89.20	90.20	91.20	96.40	99.20
		Rated current	A	81.67	85.20	88.74	82.88	86.68
		Max current	A	147.31	148.97	150.62	159.21	163.83
	SEER		5.63	5.63	5.63	6.48	6.48	6.48
	SCOP		3.50	3.50	3.50	3.99	3.99	3.99
	ηs.c	%	222	222	222	256	256	256
	ηs.h	%	137	137	137	157	157	157
Performance	Air flow (H)	m³/h	57000	57000	57000	68000	68000	68000
	Sound pressure level (H)	dB(A)	68	68.5	69	69	69	69
Installation	External dimensions(W/D/H)	mm	1410/750/1690+1410/750/1690+1410/750/1690			1410/750/1690+1410/750/1690+1410/750/1690+1410/750/1690		
	Shipping dimensions(W/D/H)	mm	1485/850/1858+1485/850/1858+1485/850/1858			1485/850/1858+1485/850/1858+1485/850/1858+1485/850/1858		
	Net/Shipping weight	kg	375/404+375/404+375/404			366/395+366/395+366/395+366/395		
	Compressor type		DC INV. SCROLL	DC INV. SCROLL	DC INV. SCROLL	DC INV. SCROLL	DC INV. SCROLL	DC INV. SCROLL
	Compressor brand		MITSUBISHI ELECTRIC	MITSUBISHI ELECTRIC	MITSUBISHI ELECTRIC	MITSUBISHI ELECTRIC	MITSUBISHI ELECTRIC	MITSUBISHI ELECTRIC
	Compressor quantity		6INV	6INV	6INV	8INV	8INV	8INV
	Refrigerant type		R410A	R410A	R410A	R410A	R410A	R410A
	Refrigerant charge	kg	30	30	30	40	40	40
	Refrigerant liquid pipe	mm	19.05	19.05	19.05	22.2	22.2	22.2
	Refrigerant gas pipe	mm	41.3	41.3	41.3	44.5	44.5	44.5
	Refrigerant high gas pipe	mm	38.1	38.1	38.1	41.3	41.3	41.3
	Max.total pipe lenth	m	1000	1000	1000	1000	1000	1000
	Max. pipe length (Equivalent/Actual)	m	260/220	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	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	50/40
	Max. drop between I.U. *3	m	30	30	30	30	30	30
	Standard drop between I.U. *4	m	18	18	18	18	18	18
	External static pressure	Pa	110	110	110	110	110	110
Connection Ratio	Connectable indoor unit ratio	%	50-130	50-130	50-130	50-130	50-130	50-130
	Maximum number of indoor units		64	64	64	64	64	64
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

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.
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.
* 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)

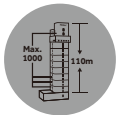


AV08IMVURA
AV10IMVURA
AV12IMVURA
AV14IMVURA



AV16IMVURA
AV18IMVURA
AV20IMVURA
AV22IMVURA

3/380~415/50/60



Total Pipe Length 1000m,
Height Drop 110m



Full DC Inverter
Compressors



Single Module 22HP,
Maximum Combination 88HP



Automatic
Oil Balancing

Model			AV74IMVURA	AV76IMVURA	AV78IMVURA	AV80IMVURA
	Combination model		AV18IMVURA	AV18IMVURA	AV18IMVURA	AV20IMVURA
			AV18IMVURA	AV18IMVURA	AV20IMVURA	AV20IMVURA
			AV18IMVURA	AV20IMVURA	AV20IMVURA	AV20IMVURA
			AV20IMVURA	AV20IMVURA	AV20IMVURA	AV20IMVURA
Capacity	Capacity range	HP	74	76	78	80
	Cooling	kW	206.0	212.0	218.0	224.0
	Heating	kW	206.0	212.0	218.0	224.0
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	65.62	66.72	67.82
		Max power input	kW	117.50	121.00	124.50
		Rated current	A	108.37	110.19	112.01
		Max current	A	194.05	199.83	205.61
	Heating	Rated power input	kW	56.87	58.94	61.01
		Max power input	kW	105.90	109.80	113.70
		Rated current	A	93.91	97.34	100.76
		Max current	A	174.89	181.34	187.78
	SEER		5.90	5.90	5.90	5.90
	SCOP		3.93	3.93	3.93	3.93
	ηs.c	%	233	233	233	233
Performance	Air flow (H)	m³/h	70000	72000	74000	76000
	Sound pressure level (H)	dB(A)	69	69	69	69
Installation	External dimensions(W/D/H)	mm	1410/750/1690+1410/750/1690+1410/750/1690+1410/750/1690			
	Shipping dimensions(W/D/H)	mm	1485/850/1858+1485/850/1858+1485/850/1858+1485/850/1858			
	Net/Shipping weight	kg	366/395+366/395+366/395+375/404	366/395+366/395+375/404+375/404	366/395+375/404+375/404+375/404	375/404+375/404+375/404+375/404
	Compressor type		DC INV. SCROLL	DC INV. SCROLL	DC INV. SCROLL	DC INV. SCROLL
	Compressor brand		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	22.2
	Refrigerant gas pipe	mm	44.5	44.5	44.5	44.5
	Refrigerant high gas pipe	mm	41.3	41.3	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	-5~50		
	Heating	°C	-23~21	-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(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)

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.
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.

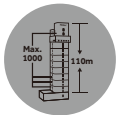


AV08IMVURA
AV10IMVURA
AV12IMVURA
AV14IMVURA



AV16IMVURA
AV18IMVURA
AV20IMVURA
AV22IMVURA

3/380~415/50/60



Total Pipe Length 1000m,
Height Drop 110m



Full DC Inverter
Compressors



Single Module 22HP,
Maximum Combination 88HP



Automatic
Oil Balancing

Model			AV82IMVURA	AV84IMVURA	AV86IMVURA	AV88IMVURA
	Combination model		AV20IMVURA	AV20IMVURA	AV20IMVURA	AV22IMVURA
			AV20IMVURA	AV20IMVURA	AV22IMVURA	AV22IMVURA
			AV20IMVURA	AV22IMVURA	AV22IMVURA	AV22IMVURA
			AV22IMVURA	AV22IMVURA	AV22IMVURA	AV22IMVURA
Capacity	Capacity range	HP	82	84	86	88
	Cooling	kW	228.0	232.0	236.0	240.0
	Heating	kW	228.0	232.0	236.0	240.0
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	71.69	74.46	77.23
		Max power input	kW	129.00	130.00	131.00
		Rated current	A	118.40	122.97	127.55
		Max current	A	213.04	214.70	216.35
	Heating	Rated power input	kW	65.22	67.36	69.50
		Max power input	kW	118.60	119.60	120.60
		Rated current	A	107.71	111.25	114.78
		Max current	A	195.87	197.52	199.17
	SEER		5.63	5.63	5.63	5.63
	SCOP		3.50	3.50	3.50	3.50
	ηs.c	%	222	222	222	222
Performance	Air flow (H)	m³/h	76000	76000	76000	76000
	Sound pressure level (H)	dB(A)	69	69.5	70	70
Installation	External dimensions(W/D/H)	mm	1410/750/1690++1410/750/1690+1410/750/1690+1410/750/1690			
	Shipping dimensions(W/D/H)	mm	1485/850/1858+1485/850/1858+1485/850/1858+1485/850/1858			
	Net/Shipping weight	kg	375/404+375/404+375/404+375/404			
	Compressor type		DC INV. SCROLL	DC INV. SCROLL	DC INV. SCROLL	DC INV. SCROLL
	Compressor brand		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	25.4	25.4
	Refrigerant gas pipe	mm	44.5	44.5	50.8	50.8
	Refrigerant high gas pipe	mm	41.3	41.3	44.5	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
Connection Ratio	External static pressure	Pa	110	110	110	110
	Connectable indoor unit ratio	%	50~130	50~130	50~130	50~130
Working Temp.	Maximum number of indoor units		64	64	64	64
	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(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)

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.
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.