Haier

MRV5 DC INVERTER

Intelligent Buildings

PRODUCT LINE-UP

T1 Eurovent Line-up

MRV 5	3/380~415/50 3/380~415/60	 8/10/12/14/16HP	 10/20/22/24/26HP	 28/30/32HP	 34HP		 36/38/40/42/46/48/50/52HP	 54/56/58/60/62/64/66/68/70/72/74/76/78HP	 80/82/84/86/88/90/92/96/98/100/102/104HP
MRV 5-H	3/380~415/50 3/380~415/60	 8/10/12/14/16HP	 10/20/22/24/26HP	 28/30/32HP	 34HP		 36/38/40/42/46/48/50/52HP	 54/56/58/60/62/64/66/68/70/72/74/76/78HP	 80/82/84/86/88/90/92/96/98/100/102/104HP
MRV 5-RC	3/380~415/50 3/380~415/60	 8/10/12/14HP	 16/18/20/22HP	 24/26/28HP	 30HP	 32/34/36/38/40/42/44HP	 46HP	 48/50/52/54/56/58/60/62/64/66HP	 68/70/72/74/76/78/80/82/84/86/88HP

Series	HP	3	4	5	6	7	8	10	12	14	16	18	20	22	24	26	28	30	32	34	36
MRV SII	1/220~240/50 1/220~240/60																				
	1/220~240/50 1/220~240/60																				
	3/380~415/50 3/380~415/60																				
	3/380~415/50 3/380~415/60																				

PRODUCT LINE-UP

T1 Line-up

Series	Power supply	Capacity ranges
MRV 5-T	3/380~415/50/60	8~16HP, 18~26HP, 28~32HP, 34HP, 36~52HP, 54~78HP, 80~104HP, 106HP, 108HP, 110HP, 112~136HP
NEW MRV 5-T Coming Soon	3/380~415/50/60	8~18HP, 20~28HP, 30~42HP, 44~54HP, 56~62HP, 64~84HP, 86~126HP
MRV 5	3/380~415/50/60	8~16HP, 18~26HP, 28~32HP, 34HP, 36~52HP, 54~78HP, 80~104HP
MRV 5-C	3/380~415/50/60	8~18HP, 20~28HP, 30~36HP, 38HP, 40~56HP, 58HP, 60~84HP, 86~112HP

Series	HP	3	4	5	6	7	8	10	12	14	16	18	20	22	24	26	28	30	32	34	36
MRV SI	1/220~240/50/60																				
	3/380~415/50/60																				
MRV SII	1/220~240/50/60																				
	1/220~240/50/60 3/380~415/50/60																				
MRV W	3/380~415/50/60																				

PRODUCT LINE-UP

T3 Line-up

MRV 5 T3	3/380~415/50/60	 8~12HP	 14~20HP	 22~24HP	 26HP	 28~40HP	 42~60HP	 62~80HP	

Series	HP	3	4	5	6	7	8	10	12	14	16	18	20	22	24	26	28	30	32	34	36
MRV SII T3	3/380~415/50/60																				
	3/380~415/50/60																				

Connection Kit

EASY MRV				DX AHU² Connection kit					
Model	MS1-036A	MS1-060A	MS3-036A	Model	AH1-070B	AH1-140B	AH1-280B	AH1-560B	AH1-730B
Match with indoor	1 by 1	1 by 1	1 by 3	Capacity	3.5≤x≤7kW	7<x≤14kW	14<x≤28kW	28<x≤56kW	56<x≤73kW
EASY MRV Connection Kit									
Capacity(Btu/h)	≤36K	36K<X≤60K	Every indoor capacity ≤36K						
MRV series	MRV 5-H, MRV 5, MRV SII (4/5/6/8/10/12HP Double fan)			MRV series	MRV 5-H, MRV 5, MRV SII (4/5/6/8/10/12HP Double fan)				

PRODUCT LINE-UP

Indoor Units

Series	KBTU/h		24	48	96
	kW		7	14	28
Hydro Box		HU**2WVLNA	■	■	■

Series	KBTU/h		5	7	9	12	16	18	24	28	30	38	42	48	54	72	96
	kW		1.5	2.2	2.8	3.6	4.5	5.6	7.1	8.0	9.0	11.2	12.5	14.0	16.0	22.6	28.0
1-way Cassette		AB**2MAERA	■	■	■	■											
	NEW 	AB**2MAERAD	■	■	■	■	■	■	■								
2- way Cassette	NEW 	AB**2MBERAD		■	■	■	■	■	■	■	■	■		■			
Compact Cassette		AB**2MCERA(M)	■	■	■	■	■	■									
New Round Way Cassette	NEW 	AB**2MNERAB		■	■	■	■	■	■	■	■	■		■	■		
Round Way Cassette		AB**2MRERA		■	■	■	■	■	■	■	■	■		■	■		
4- way Cassette		AB**2MCERA	■	■	■	■	■	■									
Convertible		AC**2MDERA				■	■	■	■	■	■	■		■			
Slim Duct (0/15/30Pa) (Air Guard)		AD**2MSERA(H)	■	■	■	■	■	■	■								
Slim Duct (0/15/30Pa)		AD**2MSERA(D) AD**2MSERA	■	■	■	■	■	■	■								
High ESP Duct (20/200Pa) (Air Guard)		AD**2MJERA(H)	■	■	■	■	■	■	■	■	■	■		■	■		

PRODUCT LINE-UP

Indoor Units

Series	KBTU/h		5	7	9	12	16	18	24	28	30	38	42	48	54	72	96
	kW		1.5	2.2	2.8	3.6	4.5	5.6	7.1	8.0	9.0	11.2	12.5	14.0	16.0	22.6	28.0
Medium ESP Duct (50/150Pa)		AD**2MJERAB AD**2MJERA	■	■	■	■	■	■	■	■	■	■		■	■		
High ESP Duct(20/200Pa)		AD**2MJERAD	■	■	■	■	■	■	■	■	■	■		■	■		
Compact Air Duct(50/120)		AD**2MJERN									■	■		■			
High ESP Duct (0-300Pa)		AD**2MTERAD														■	■
High ESP Duct (0-250Pa)		AD**2MTERAB														■	■
Built-in Floor Standing		AE**2MLERA		■	■	■	■	■	■								
Console		AF**2MBERA	■	■	■	■	■	■									
High Wall		AS**2MNERAB AS**2MNERA AS**2MNERAC	■	■	■	■	■	■	■	■	■						
		AS**2MFERAB AS**2MFERA AS**2MFERAC	■	■	■	■	■	■	■								
Fresh Air Duct (Comming soon)		AD**2MJERAF AD**2MTERAF												■		■	■
HRV (Heat ReclaimVentalation) ERV***ANW		150m³/h 500m³/h 250m³/h 800m³/h 350m³/h 1000m³/h 2000m³/h															
HRV (Heat ReclaimVentalation) ERV***BNN		150m³/h 500m³/h 2000m³/h 250m³/h 800m³/h 350m³/h 1000m³/h															

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MRV 5
DC INVERTER

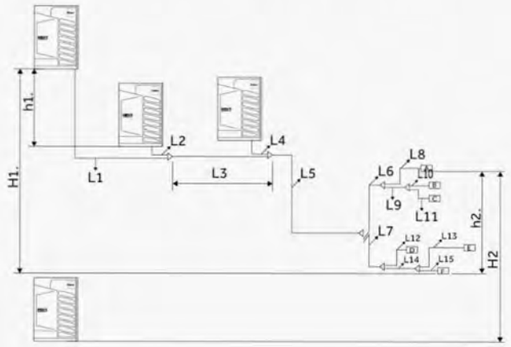
Advanced Technology

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+L13
Main pipe actual length (length between first gather pipe & first branch pipe)		130m	L5
Pipe length after first branch pipe (length between first branch & farthest indoor)		90m	L7+L13+L14
The distance between the nearest indoor unit and the farthest indoor		40m	L13+L14-L12
Pipe length among outdoor units (length between first gather pipe & farthest outdoor unit)		10m	L1+L3
Height difference between indoors		18m	h2
Height difference between outdoors		5m	h1
Height difference between indoor & outdoor	Indoor below outdoor (between highest outdoor & lowest indoor)	50m	H1
	Indoor above outdoor (between lowest outdoor & highest indoor)	40m	H2

Advanced Technology

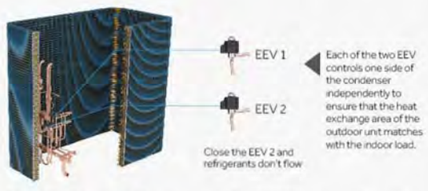
Smart link

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.



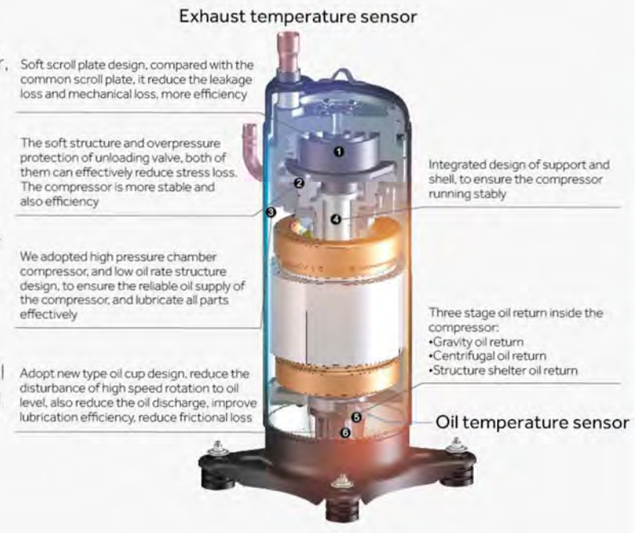
* Class 3000 EEV customized for outdoor unit and Class 2000 EEV customized for indoor unit

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. drived 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 ±0.5°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

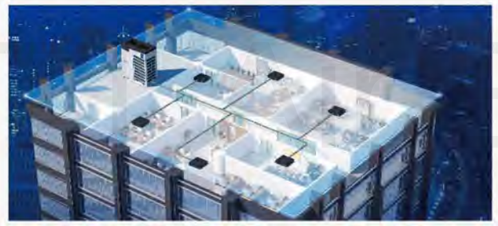
Without oil balancing pipe, the oil is balanced automatically. This simplifies system design and improves reliability.

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
	ηsc		%	287	280.6	264.6	261	251.4
	ηsh		%	173.4	169.4	169.4	161.8	159
Performance	Air flow (H)		m^3/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: 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 drop between I.U.&O.U *2: Standard design and production in the factory.
Max. drop between I.U. *3: 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 drop between I.U. *4: Standard design and production in the factory.
* All the specifications are tested under nominal condition(in cooling, indoor temp. is 27°C DB/19°C WB,Outdoor Temp.35°C DB/24WB,in heating, indoor temp.is 20°C DB,in heating, outdoor temp.is 7°C DB/6°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

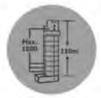
Model				AV18IMVEVA	AV20IMVEVA	AV22IMVEVA	AV24IMVEVA	AV26IMVEVA	AV28IMVEVA	AV30IMVEVA	AV32IMVEVA
	Combination model			/	/	/	/	/	AV14IMVEVA	AV14IMVEVA	AV16IMVEVA
				/	/	/	/	/	AV14IMVEVA	AV16IMVEVA	AV16IMVEVA
				/	/	/	/	/	/	/	/
				/	/	/	/	/	/	/	/
Capacity	Capacity range		HP	18	20	22	24	26	28	30	32
	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	26.47
		Max. power input	kW	21.40	25.10	28.50	29.10	37.80	32.80	35.60	38.40
		Rated current	A	26.34	28.05	34.06	38.27	45.96	40.32	42.50	44.69
		Max. current	A	36.13	42.37	48.11	49.13	61.91	55.37	60.10	64.83
	Heating	Rated power input	kW	13.19	14.66	18.64	19.43	26.25	20.00	21.25	22.50
		Max. power input	kW	17.70	22.70	25.50	26.50	30.40	30.20	33.50	36.80
		Rated current	A	22.27	24.75	31.49	32.80	45.68	33.76	35.87	37.98
		Max. current	A	29.88	38.32	43.05	44.74	51.32	50.98	56.55	62.13
	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
	ηsc		%	268.2	267	258.6	230.2	193	261	251.4	251.4
	ηsh		%	163	165	165.4	163.8	137	161.8	159	159
Performance	Air flow (H)		m³/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		℃	-5~50		-5~50					
	Heating		℃	-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 conditionIn 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	AV18IMVEVA	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	42.83	45.34
		Max. power input	kW	40.60	42.80	46.50	50.20	53.60	57.00	57.60	58.20
		Rated current	A	48.69	52.68	54.40	56.11	62.11	68.12	72.33	76.54
		Max. current	A	68.54	72.26	78.50	84.75	90.49	96.23	97.24	98.25
	Heating	Rated power input	kW	24.44	26.39	27.85	29.32	33.30	37.28	38.07	38.86
		Max. power input	kW	36.10	35.40	40.40	45.40	48.20	51.00	52.00	53.00
		Rated current	A	41.27	44.55	47.02	49.50	56.24	62.98	64.29	65.60
		Max. current	A	60.94	59.76	68.20	76.64	81.37	86.10	87.79	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)		m^3/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	1410/1690/750+1410/1690/750						
	Packing (W*H*D)		mm	1070/1858/850+1515/1858/850	1515/1858/850+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	MITSUBISHI ELECTRIC						
	Compressor type			DC INV. SCROLL	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		℃	-5~50	-5~50						
	Heating		℃	-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

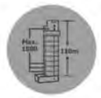
If the height difference between the outdoor and the indoor units is from 50 to 110m, you MUST contact your local distributor/dealer for individual design and production.
Standard design and production in the factory.
If the height difference between the indoor units is from 18 to 30m, you MUST contact 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				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		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	49.89	54.44	46.81	47.82	48.84	49.85	53.39	56.94
		Max. power input	kW	66.90	75.60	64.20	67.90	71.60	75.30	78.70	82.10
		Rated current	A	84.23	91.91	79.03	80.74	82.45	84.16	90.17	96.17
		Max. current	A	111.04	123.82	108.38	114.63	120.88	127.12	132.86	138.60
	Heating	Rated power input	kW	45.68	52.50	39.58	41.05	42.51	43.98	47.96	51.94
		Max. power input	kW	56.90	60.80	53.10	58.10	63.10	68.10	70.90	73.70
		Rated current	A	78.48	91.36	66.82	69.30	71.77	74.25	80.99	87.73
		Max. current	A	96.06	102.64	89.64	98.08	106.53	114.97	119.69	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
	ηsc		%	193	193	268.2	267	267	267	258.6	258.6
	ηsh		%	137	137	163	163	163	165	165	165
Performance	Air flow (H)		m³/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		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					
	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		℃	-5~50		-5~50					
	Heating		℃	-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

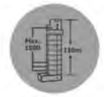
Model				AV66IMVEVA	AV68IMVEVA	AV70IMVEVA	AV72IMVEVA	AV74IMVEVA	AV76IMVEVA	AV78IMVEVA
	Combination model			AV22IMVEVA	AV22IMVEVA	AV22IMVEVA	AV24IMVEVA	AV26IMVEVA	AV26IMVEVA	AV26IMVEVA
				AV22IMVEVA	AV22IMVEVA	AV24IMVEVA	AV24IMVEVA	AV24IMVEVA	AV26IMVEVA	AV26IMVEVA
				AV22IMVEVA	AV24IMVEVA	AV24IMVEVA	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		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	60.48	62.99	65.50	68.01	72.56	77.11	81.67
		Max. power input	kW	85.50	86.10	86.70	87.30	96.00	104.70	113.40
		Rated current	A	102.18	106.39	110.60	114.82	122.50	130.19	137.87
		Max. current	A	144.34	145.35	146.37	147.38	160.16	172.95	185.73
	Heating	Rated power input	kW	55.92	56.71	57.50	58.29	65.11	71.93	78.75
		Max. power input	kW	76.50	77.50	78.50	79.50	83.40	87.30	91.20
		Rated current	A	94.47	95.78	97.09	98.40	111.28	124.16	137.04
		Max. current	A	129.15	130.84	132.52	134.21	140.80	147.38	153.96
	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
	ηsc		%	258.6	230.2	230.2	230.2	193	193	193
	ηsh		%	165.4	163.8	163.8	163.8	137	137	137
Performance	Air flow (H)		m^3/h	54000	54000	54000	54000	55000	56000	57000
	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
Installation	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		℃	-5~50	-5~50					
	Heating		℃	-23~21	-23~21					

Max. drop between I.U.&O.U *1 — If the height difference between the outdoor and the indoor units is from 50 to 110m, you MUST contact your local distributor/dealer for individual design and production.
Standard drop between I.U.&O.U *2 — Standard design and production in the factory.
Max. drop between I.U. *3 — 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 drop between I.U. *4 — Standard design and production in the factory.
* All the specifications are tested under nominal condition(In cooling, indoor Temp. is 27°C DB/19°C WB,Outdoor temp 35°C DB/24WB;In heating, indoor temp.is 20°C DB,In heating, outdoor temp.is 7°C DB/6°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				AV80IMVEVA	AV82IMVEVA	AV84IMVEVA	AV86IMVEVA	AV88IMVEVA	AV90IMVEVA	AV92IMVEVA
	Combination model			AV20IMVEVA	AV20IMVEVA	AV20IMVEVA	AV20IMVEVA	AV22IMVEVA	AV24IMVEVA	AV24IMVEVA
				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		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	66.47	70.01	73.55	77.10	80.64	83.15	85.66
		Max. power input	kW	100.40	103.80	107.20	110.60	114.00	114.60	115.20
		Rated current	A	112.21	118.22	124.23	130.23	136.24	140.45	144.66
		Max. current	A	169.50	175.24	180.98	186.72	192.46	193.47	194.48
	Heating	Rated power input	kW	58.64	62.62	66.60	70.58	74.56	75.35	76.14
		Max. power input	kW	90.80	93.60	96.40	99.20	102.00	103.00	104.00
		Rated current	A	98.99	105.74	112.48	119.22	125.96	127.27	128.58
		Max. current	A	153.29	158.02	162.74	167.47	172.20	173.89	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
	ηsc		%	267	258.6	258.6	258.6	258.6	230.2	230.2
	ηsh		%	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		℃	-5~50	-5~50					
	Heating		℃	-23~21	-23~21					

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

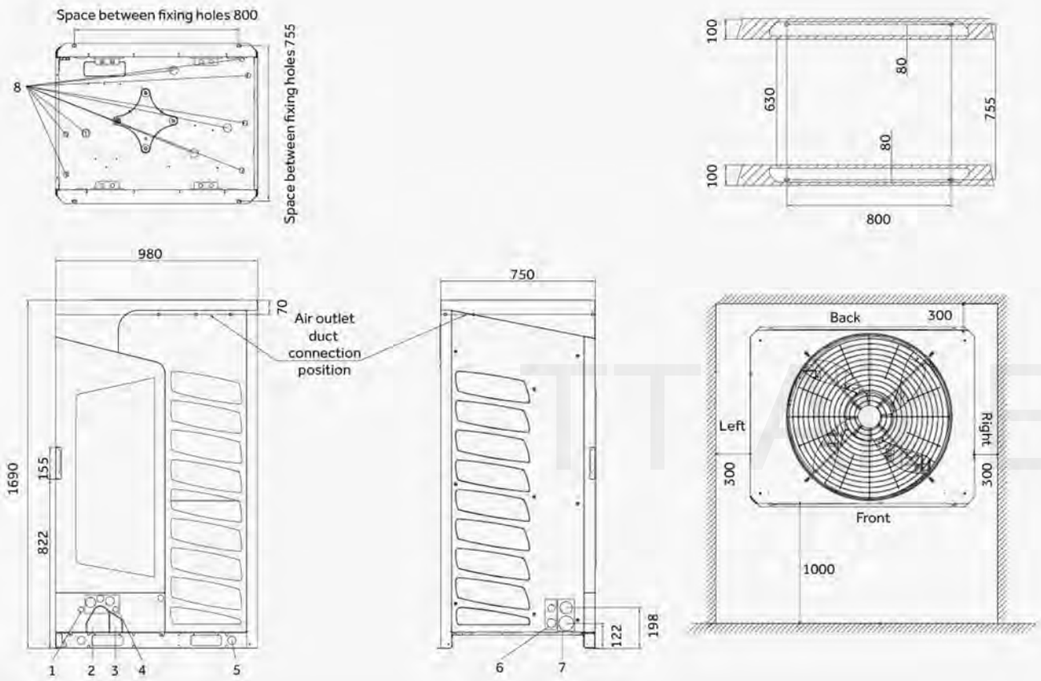
Model				AV94IMVEVA	AV96IMVEVA	AV98IMVEVA	AV100IMVEVA	AV102IMVEVA	AV104IMVEVA
	Combination model			AV24IMVEVA	AV24IMVEVA	AV26IMVEVA	AV26IMVEVA	AV26IMVEVA	AV26IMVEVA
				AV24IMVEVA	AV24IMVEVA	AV24IMVEVA	AV26IMVEVA	AV26IMVEVA	AV26IMVEVA
				AV24IMVEVA	AV24IMVEVA	AV24IMVEVA	AV24IMVEVA	AV26IMVEVA	AV26IMVEVA
				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	108.89
		Max. power input	kW	115.80	116.40	125.10	133.80	142.50	151.20
		Rated current	A	148.88	153.09	160.77	168.46	176.14	183.83
		Max. current	A	195.49	196.51	209.29	222.07	234.86	247.64
	Heating	Rated power input	kW	76.93	77.71	84.54	91.36	98.18	105.00
		Max. power input	kW	105.00	106.00	109.90	113.80	117.70	121.60
		Rated current	A	129.89	131.20	144.08	156.96	169.84	182.72
		Max. current	A	177.26	178.95	185.53	192.12	198.70	205.29
	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
	ηsc		%	230.2	230.2	193	193	193	193
	ηsh		%	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		℃	-5~50	-5~50				
	Heating		℃	-23~21	-23~21				

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

Dimensions

AV08IMVEVA AV10IMVEVA AV12IMVEVA AV14IMVEVA AV16IMVEVA

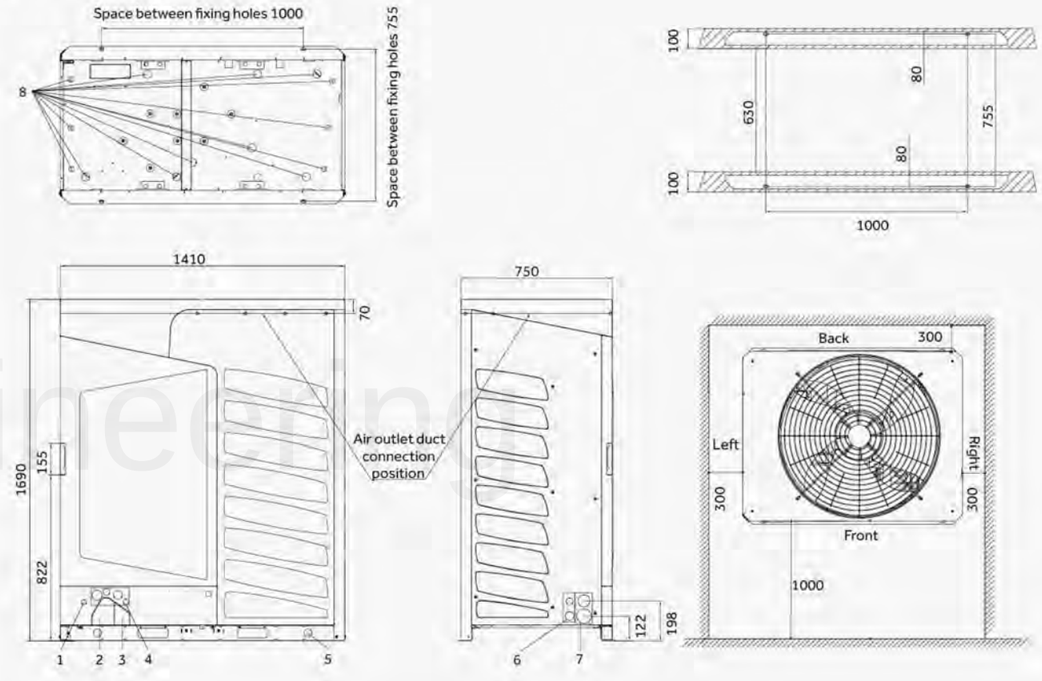
Unit:mm



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
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8	Drain hole	