

# VRF 5

## DC INVERTER



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

# Heat Pump



Model		AV08IMVEVA	AV10IMVEVA	AV12IMVEVA	AV14IMVEVA	AV16IMVEVA		
Capacity	Combination model		/	/	/	/		
			/	/	/	/		
			/	/	/	/		
Capacity	Capacity range	HP	8	10	12	14	16	
	Cooling	kW	25.2	28.0	33.5	40.0	45.0	
	Heating	kW	25.2	28.0	33.5	40.0	45.0	
	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	
Electrical parameters	Cooling	Rated power input	kW	6.24	7.37	9.31	11.94	13.24
		Max power input	kW	12.00	12.90	13.80	16.40	19.20
		Rated current	A	10.53	12.44	15.71	20.16	22.34
		Max current	A	20.26	21.78	23.30	27.69	32.41
	Heating	Rated power input	kW	5.73	6.51	7.94	10.00	11.25
		Max power input	kW	10.90	12.20	12.50	15.10	18.40
		Rated current	A	9.67	10.99	13.40	16.88	18.99
		Max current	A	18.40	20.60	21.10	25.49	31.06
	SEER		7.25	7.09	6.69	6.60	6.36	
	SCOP		4.50	4.40	4.40	4.20	4.00	
	β <sub>FC</sub>	%	281	287	265	261	251	
	η <sub>h,c</sub>	%	179	173	173	165	157	
Performance	Air Flow (FH)	m <sup>3</sup> /h	11000	11000	12000	13500	13500	
	Sound pressure level (H)	dB(A)	56	56	59	59	60	
Installation	External dimensions (W/D/H)	mm	980/750/1690					
	Shipping dimensions (W/D/H)	mm	1070/850/1858					
	Net/Shipping weight	kg	224/250		244/270			
	Compressor type		DC INV. SCROLL	DC INV. SCROLL	DC INV. SCROLL	DC INV. SCROLL	DC INV. SCROLL	
	Compressor brand		MITSUBISHI	MITSUBISHI	MITSUBISHI	MITSUBISHI	MITSUBISHI	
	Compressor quantity		1INV	1INV	1INV	1INV	1INV	
	Refrigerant type		R410A	R410A	R410A	R410A	R410A	
	Refrigerant charge	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 number of indoor units		13	16	20	24	27	
Working temp.	Cooling	°C	-5-50					
	Heating	°C	-23-21					

Max drop between I.U. & O.U. \*1  
 Standard drop between I.U. & O.U. \*2  
 Max drop between I.U. \*3  
 Standard drop between I.U. \*4

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/24°C WB. In heating: indoor temp. is 20°C DB/14°C WB. Outdoor temp. 7°C DB/4°C WB.

# 3/380~415/50/60



Model			AV18IMVEVA	AV20IMVEVA	AV22IMVEVA	AV24IMVEVA	AV26IMVEVA	
Capacity	Combination model		/	/	/	/	/	
			/	/	/	/	/	
			/	/	/	/	/	
			/	/	/	/	/	
Capacity	Capacity range	HP	18	20	22	24	26	
	Cooling	kW	50.4	56.0	61.5	68.0	73.5	
Capacity	Heating	kW	50.4	56.0	61.5	68.0	73.5	
	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	
Electrical parameters	Cooling	Rated power input	kW	15.70	16.62	18.30	18.61	21.25
		Max power input	kW	21.40	25.10	28.50	29.10	33.00
		Rated current	A	26.51	28.05	30.90	37.03	41.78
		Max current	A	36.13	42.37	48.11	49.13	55.80
		Rated power input	kW	13.19	14.66	16.62	19.43	22.27
		Max power input	kW	17.70	22.70	25.50	26.50	30.40
	Heating	Rated current	A	22.27	24.75	28.06	32.60	37.60
		Max current	A	29.88	33.82	43.05	44.74	51.32
		SEER		6.78	6.75	6.54	6.97	5.68
	SCOP			4.23	4.29	4.30	4.25	3.80
	IPLC		%	268	267	259	256	224
	IPLH		%	166	169	169	167	149
Performance	Air flow (H)	m <sup>3</sup> /h	17000	17000	18000	18000	19000	
	Sound pressure level (H)	dB(A)	61	61	61	62	62	
Installation	External dimensions(W/D/H)		mm		1410/750/1690			
	Shipping dimensions(W/D/H)		mm		1515/850/1858			
	Net/Shipping weight		kg	287/317	370/400			
	Compressor type			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
	Compressor quantity			1INV	2INV	2INV	2INV	2INV
	Refrigerant type			R410A	R410A	R410A	R410A	R410A
	Refrigerant charge		kg	10	10	10	10	10
	Refrigerant liquid pipe		mm	15.88	15.88	15.88	15.88	15.88
	Refrigerant gas pipe		mm	28.58	28.58	28.58	28.58	28.58
	Max total pipe 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 number of indoor units		30	33	36	40	43
	Working temp.	Cooling	°C	-5~50				
Heating		°C	-23~21					

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

Model			AV28IMVEVA	AV30IMVEVA	AV32IMVEVA	AV34IMVEVA	AV36IMVEVA	
Capacity	Combination model		AV14IMVEVA	AV14IMVEVA	AV16IMVEVA	AV16IMVEVA	AV18IMVEVA	
			AV14IMVEVA	AV16IMVEVA	AV16IMVEVA	AV18IMVEVA	AV18IMVEVA	
			/	/	/	/	/	
			/	/	/	/	/	
Capacity	Capacity range	HP	28	30	32	34	36	
	Cooling	kW	80.0	85.0	90.0	95.4	100.8	
Capacity	Heating	kW	80.0	85.0	90.0	95.4	100.8	
	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	
Electrical parameters	Cooling	Rated power input	kW	23.88	25.18	26.47	28.94	31.40
		Max power input	kW	32.80	35.60	38.40	40.60	42.80
		Rated current	A	40.32	42.50	44.69	48.85	53.01
		Max current	A	55.37	60.10	64.83	68.54	72.26
		Rated power input	kW	20.00	21.25	22.50	24.44	26.39
		Max power input	kW	30.20	33.50	36.80	36.10	35.40
	Heating	Rated current	A	33.76	35.87	37.98	41.27	44.55
		Max current	A	50.98	56.55	62.13	60.94	59.76
		SEER		6.60	6.47	6.36	6.57	6.78
	SCOP			4.17	4.08	4.01	4.13	4.23
	IPLC		%	260	256	252	260	268
	IPLH		%	184	160	157	162	166
Performance	Air flow (H)	m <sup>3</sup> /h	27000	27000	27000	30500	34000	
	Sound pressure level (H)	dB(A)	62	62.5	63	63.5	64	
Installation	External dimensions(W/D/H)		mm		980/750/1690+980/750/1690			
	Shipping dimensions(W/D/H)		mm		1070/850/1858+1070/850/1858			
	Net/Shipping weight		kg	244/270+244/270	244/270+244/270			
	Compressor type			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
	Compressor quantity			2INV	2INV	2INV	2INV	2INV
	Refrigerant type			R410A	R410A	R410A	R410A	R410A
	Refrigerant charge		kg	20	20	20	20	20
	Refrigerant liquid pipe		mm	15.88	19.05	19.05	19.05	19.05
	Refrigerant gas pipe		mm	28.58	31.8	31.8	31.8	31.8
	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 number of indoor units		47	50	53	56	59
	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.  
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.  
Max drop between I.U. \*2  
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.  
Max drop between I.U. \*3  
Standard design and production in the factory.  
Max drop between I.U. \*4  
Standard design and production in the factory.  
\* All the specifications are tested under nominal condition in cooling, indoor temp. is 27°C DB/19°C WB, outdoor temp. 35°C DB/24WB in heating, indoor temp. is 20°C DB in heating, outdoor temp. 7°C DB/6°C WB

# 3/380~415/50/60



Model			AV38IMVEVA	AV40IMVEVA	AV42IMVEVA	AV44IMVEVA	AV46IMVEVA	
Combination model			AV18IMVEVA	AV20IMVEVA	AV20IMVEVA	AV22IMVEVA	AV22IMVEVA	
			AV20IMVEVA	AV20IMVEVA	AV22IMVEVA	AV22IMVEVA	AV24IMVEVA	
			/	/	/	/	/	
Capacity	Capacity range	HP	38	40	42	44	46	
	Cooling	kW	106.4	112.0	117.5	123.0	129.5	
	Heating	kW	106.4	112.0	117.5	123.0	129.5	
Electrical parameters	Power supply	Ph/V/Hz	3/380-415/50/60	3/380-415/50/60	3/380-415/50/60	3/380-415/50/60	3/380-415/50/60	
	Cooling	Rated power input	kW	32.32	33.23	34.92	36.61	40.24
		Max power input	kW	46.50	50.20	53.60	57.00	57.60
		Rated current	A	54.56	56.11	58.95	61.80	67.93
		Max current	A	78.50	84.75	90.49	96.23	97.24
		Rated power input	kW	27.85	29.32	31.28	33.24	36.05
	Heating	Max power input	kW	40.40	45.40	48.20	51.00	52.00
		Rated current	A	47.02	49.50	52.81	56.12	60.86
		Max current	A	68.20	76.64	81.37	86.10	87.79
	SEER		6.76	6.75	6.54	6.22	6.22	
	SCOP		4.26	4.29	4.29	4.30	4.27	
	η <sub>s,c</sub>	%	267	267	262	259	246	
	η <sub>s,h</sub>	%	167	168	169	169	168	
	Air flow (H)	m <sup>3</sup> /h	34000	34000	35000	36000	36000	
	Sound pressure level (H)	dB(A)	64	64	64	64	64.5	
Installation	External dimensions(W/D/H)	mm	1410/750/1690+1410/750/1690					
	Shipping dimensions(W/D/H)	mm	1515/850/1858+1515/850/1858					
	Net/Shipping weight	kg	287/317+370/400	370/400+370/400	370/400+370/400	370/400+370/400	370/400+370/400	
	Compressor type		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	
	Compressor quantity		3INV	4INV	4INV	4INV	4INV	
	Refrigerant type		R410A	R410A	R410A	R410A	R410A	
	Refrigerant charge	kg	20	20	20	20	20	
	Refrigerant liquid pipe	mm	19.05	19.05	19.05	19.05	19.05	
	Refrigerant gas pipe	mm	38.1	38.1	38.1	38.1	38.1	
	Max total pipe 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 number of indoor units		63	64	64	64	64	
Working temp.	Cooling	°C	-5~50					
	Heating	°C	-23~21					

Max drop between I.U.&O.U. \*1 If the height difference between the outdoor and the indoor units is from 50 to 110m, you MUST contact your local distributor/dealer for individual design and production.  
 Standard design and production in the factory.  
 Standard drop between I.U.&O.U. \*2 If the height difference between the outdoor and the indoor units is from 18 to 30m, you MUST contact your local distributor/dealer for individual design and production.  
 Standard design and production in the factory.  
 Max drop between I.U. \*3 Standard design and production in the factory.  
 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. 7°C DB/6°C WB

Model			AV48IMVEVA	AV50IMVEVA	AV52IMVEVA	AV54IMVEVA	AV56IMVEVA	
Combination model			AV24IMVEVA	AV24IMVEVA	AV26IMVEVA	AV18IMVEVA	AV18IMVEVA	
			AV24IMVEVA	AV26IMVEVA	AV26IMVEVA	AV18IMVEVA	AV20IMVEVA	
			/	/	/	/	/	
Capacity	Capacity range	HP	48	50	52	54	56	
	Cooling	kW	136.0	141.5	147.0	151.2	156.8	
	Heating	kW	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	
	Cooling	Rated power input	kW	43.87	46.68	49.49	47.10	48.02
		Max power input	kW	58.20	62.10	66.00	64.20	67.90
		Rated current	A	74.06	78.81	83.56	79.52	81.07
		Max current	A	98.25	104.93	111.60	108.38	114.63
		Rated power input	kW	38.86	41.70	44.55	39.58	41.05
	Heating	Max power input	kW	53.00	56.90	60.80	53.10	58.10
		Rated current	A	65.60	70.40	75.20	66.82	69.30
		Max current	A	89.48	96.06	102.64	89.64	98.08
	SEER		5.97	5.81	5.68	6.78	6.76	
	SCOP		4.25	4.00	3.80	4.23	4.25	
	η <sub>s,c</sub>	%	236	229	224	268	268	
	η <sub>s,h</sub>	%	187	157	149	166	167	
	Air flow (H)	m <sup>3</sup> /h	36000	37000	38000	51000	51000	
	Sound pressure level (H)	dB(A)	65	65	65	65.8	65.8	
Installation	External dimensions(W/D/H)	mm	1410/750/1690+1410/750/1690			1410/750/1690+1410/750/1690+1410/750/1690		
	Shipping dimensions(W/D/H)	mm	1515/850/1858+1515/850/1858			1515/850/1858+1515/850/1858+1515/850/1858		
	Net/Shipping weight	kg	370/400+370/400			287/317+287/317+287/317		
	Compressor type		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	
	Compressor quantity		4INV	4INV	4INV	3INV	4INV	
	Refrigerant type		R410A	R410A	R410A	R410A	R410A	
	Refrigerant charge	kg	20	20	20	30	30	
	Refrigerant liquid pipe	mm	19.05	19.05	19.05	19.05	19.05	
	Refrigerant gas pipe	mm	38.1	38.1	38.1	38.1	38.1	
	Max total pipe 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 number of indoor units		64	64	64	64	64	
Working temp.	Cooling	°C	-5~50					
	Heating	°C	-23~21					

Max drop between I.U.&O.U. \*1 If the height difference between the outdoor and the indoor units is from 50 to 110m, you MUST contact your local distributor/dealer for individual design and production.  
 Standard design and production in the factory.  
 Standard drop between I.U.&O.U. \*2 If the height difference between the outdoor and the indoor units is from 18 to 30m, you MUST contact your local distributor/dealer for individual design and production.  
 Standard design and production in the factory.  
 Max drop between I.U. \*3 Standard design and production in the factory.  
 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. 7°C DB/6°C WB

# 3/380~415/50/60



Model			AV58IMVEVA	AV60IMVEVA	AV62IMVEVA	AV64IMVEVA	AV66IMVEVA	
Combination model			AV18IMVEVA	AV20IMVEVA	AV22IMVEVA	AV22IMVEVA	AV22IMVEVA	
			AV20IMVEVA	AV20IMVEVA	AV20IMVEVA	AV22IMVEVA	AV22IMVEVA	
			AV20IMVEVA	AV20IMVEVA	AV20IMVEVA	AV20IMVEVA	AV22IMVEVA	
Capacity	Capacity range	HP	58	60	62	64	66	
	Cooling	kW	162.4	168.0	175.5	179.0	184.5	
	Heating	kW	162.4	168.0	173.5	179.0	184.5	
Electrical parameters	Power supply	Ph/V/Hz	3/380-415/50/60	3/380-415/50/60	3/380-415/50/60	3/380-415/50/60	3/380-415/50/60	
	Cooling	Rated power input	kW	48.94	49.85	51.54	53.22	54.91
		Max power input	kW	71.60	75.30	78.70	82.10	85.50
		Rated current	A	82.61	84.16	87.01	89.85	92.70
		Max current	A	120.88	127.12	132.86	138.60	144.34
		Rated power input	kW	42.51	43.98	45.94	47.90	49.86
	Heating	Max power input	kW	63.10	70.90	73.70	76.50	79.30
		Rated current	A	71.77	74.25	77.58	80.87	84.18
		Max current	A	106.53	114.97	119.69	124.42	129.15
	SEER		6.75	6.75	6.60	6.54	6.54	
	SCOP		4.27	4.29	4.29	4.29	4.30	
	η <sub>s,c</sub>	%	267	267	264	261	259	
	η <sub>s,h</sub>	%	168	168	168	169	169	
Performance	Air flow (H)	m <sup>3</sup> /h	51000	51000	52000	53000	54000	
	Sound pressure level (H)	dB(A)	65.8	65.8	65.8	65.8	65.8	
Installation	External dimensions(W/D/H)	mm	1410/750/1690*1410/750/1690*1410/750/1690					
	Shipping dimensions(W/D/H)	mm	1515/850/1858*1515/850/1858*1515/850/1858					
	Net/Shipping weight	kg	287/317+370/400+370/400 370/400+370/400+370/400					
	Compressor type		DC INV. SCROLL	DC INV. SCROLL	DC INV. SCROLL	DC INV. SCROLL	DC INV. SCROLL	
	Compressor brand		MITSUBISHI	MITSUBISHI	MITSUBISHI	MITSUBISHI	MITSUBISHI	
	Compressor quantity		5INV	6INV	6INV	6INV	6INV	
	Refrigerant type		R410A	R410A	R410A	R410A	R410A	
	Refrigerant charge	kg	30	30	30	30	30	
	Refrigerant liquid pipe	mm	19.05	19.05	19.05	19.05	19.05	
	Refrigerant gas pipe	mm	41.3	41.3	41.3	41.3	41.3	
	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 number of indoor units		64	64	64	64	64	
Working temp.	Cooling	°C	-5~50					
	Heating	°C	-23~21					

Max drop between I.U.&O.U. \*1 If the height difference between the outdoor and the indoor units is from 50 to 110m, you MUST contact your local distributor/dealer for individual design and production.  
 Standard design and production in the factory.  
 Standard drop between I.U.&O.U. \*2 If the height difference between the outdoor and 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.  
 Standard drop between I.U. \*3 Standard design and production in the factory.  
 Standard drop between I.U. \*4 Standard design and production in the factory.  
 \* All the specifications are tested under normal 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. 7°C DB/6°C WB

Model			AV68IMVEVA	AV70IMVEVA	AV72IMVEVA	AV74IMVEVA	
Combination model			AV22IMVEVA	AV22IMVEVA	AV24IMVEVA	AV26IMVEVA	
			AV22IMVEVA	AV24IMVEVA	AV24IMVEVA	AV24IMVEVA	
			AV24IMVEVA	AV24IMVEVA	AV24IMVEVA	AV24IMVEVA	
Capacity	Capacity range	HP	68	70	72	74	
	Cooling	kW	191.0	197.5	204.0	209.5	
	Heating	kW	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	
	Cooling	Rated power input	kW	58.54	62.17	65.81	68.62
		Max power input	kW	86.10	86.70	87.30	91.20
		Rated current	A	98.83	104.96	111.09	115.84
		Max current	A	145.35	146.37	147.38	154.05
		Rated power input	kW	52.57	55.48	58.29	61.13
	Heating	Max power input	kW	77.50	78.50	79.50	83.40
		Rated current	A	83.92	93.66	98.40	103.20
		Max current	A	130.84	132.52	134.21	140.80
	SEER		6.32	6.13	5.97	5.86	
	SCOP		4.28	4.27	4.25	4.08	
	η <sub>s,c</sub>	%	250	242	236	231	
	η <sub>s,h</sub>	%	168	168	167	160	
Performance	Air flow (H)	m <sup>3</sup> /h	54000	54000	54000	55000	
	Sound pressure level (H)	dB(A)	66	66.5	66.8	66.8	
Installation	External dimensions(W/D/H)	mm	1410/750/1690*1410/750/1690*1410/750/1690				
	Shipping dimensions(W/D/H)	mm	1515/850/1858*1515/850/1858*1515/850/1858				
	Net/Shipping weight	kg	370/400+370/400+370/400				
	Compressor type		DC INV. SCROLL	DC INV. SCROLL	DC INV. SCROLL	DC INV. SCROLL	
	Compressor brand		MITSUBISHI	MITSUBISHI	MITSUBISHI	MITSUBISHI	
	Compressor quantity		6INV	6INV	6INV	6INV	
	Refrigerant type		R410A	R410A	R410A	R410A	
	Refrigerant charge	kg	30	30	30	30	
	Refrigerant liquid pipe	mm	22.2	22.2	22.2	22.2	
	Refrigerant gas pipe	mm	44.5	44.5	44.5	44.5	
	Max total pipe length	m	1000	1000	1000	1000	
	Max. pipe length (Equivalent/Actual)	m	260/220	260/220	260/220	260/220	
	Max drop between I.U.&O.U. (O.U. down/up) *1	m	110/90	110/90	110/90	110/90	
	Standard drop between I.U.&O.U. (O.U. up/down) *2	m	50/40	50/40	50/40	50/40	
	Max drop between I.U. *3	m	30	30	30	30	
	Standard drop between I.U. *4	m	18	18	18	18	
	External static pressure	Pa	110	110	110	110	
Connection ratio	Connectable indoor unit ratio	%	50-130	50-130	50-130	50-130	
	Maximum number of indoor units		64	64	64	64	
Working temp.	Cooling	°C	-5~50				
	Heating	°C	-23~21				

Max drop between I.U.&O.U. \*1 If the height difference between the outdoor and the indoor units is from 50 to 110m, you MUST contact your local distributor/dealer for individual design and production.  
 Standard design and production in the factory.  
 Standard drop between I.U.&O.U. \*2 If the height difference between the outdoor and 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.  
 Standard drop between I.U. \*3 Standard design and production in the factory.  
 Standard drop between I.U. \*4 Standard design and production in the factory.  
 \* All the specifications are tested under normal 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. 7°C DB/6°C WB

# 3/380~415/50/60



Model			AV76IMVEVA	AV78IMVEVA	AV80IMVEVA	AV82IMVEVA	
Combination model			AV26IMVEVA	AV26IMVEVA	AV20IMVEVA	AV20IMVEVA	
			AV26IMVEVA	AV26IMVEVA	AV20IMVEVA	AV20IMVEVA	
			AV24IMVEVA	AV26IMVEVA	AV20IMVEVA	AV20IMVEVA	
			/	/	AV20IMVEVA	AV22IMVEVA	
Capacity	Capacity range	HP	76	78	80	82	
	Cooling	kW	215.0	220.5	224.0	229.5	
	Heating	kW	215.0	220.5	224.0	229.5	
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		
Electrical parameters	Cooling	Rated power input	kW	71.43	74.24	66.47	68.16
		Max power input	kW	95.10	99.00	100.40	103.80
		Rated current	A	120.59	125.34	112.21	115.06
		Max current	A	160.73	167.40	169.50	175.24
	Heating	Rated power input	kW	63.97	66.82	58.64	60.60
		Max power input	kW	87.30	91.20	90.80	93.60
		Rated current	A	108.00	112.80	98.99	102.31
		Max current	A	147.38	153.96	153.29	158.02
	SEER		5.76	5.68	6.75	6.69	
	SCOP		3.93	3.80	4.29	4.29	
	η <sub>s,c</sub>	%	228	224	267	265	
	η <sub>s,h</sub>	%	154	149	168	168	
Air flow (H)	m <sup>3</sup> /h	56000	57000	68000	69000		
Sound pressure level (H)	dB(A)	66.8	66.8	67	67		
Performance	External dimensions(W/D/H)	mm	1410/750/1690+1410/750/1630+1410/750/1690	1410/750/1690+1410/750/1630+1410/750/1690+1410/750/1690	1410/750/1690+1410/750/1630+1410/750/1690+1410/750/1690	1410/750/1690+1410/750/1630+1410/750/1690+1410/750/1690	
	Shipping dimensions(W/D/H)	mm	1515/850/1858+1515/850/1858+1515/850/1858	1515/850/1858+1515/850/1858+1515/850/1858+1515/850/1858	1515/850/1858+1515/850/1858+1515/850/1858+1515/850/1858	1515/850/1858+1515/850/1858+1515/850/1858	
Net/Shipping weight	kg	370/400+370/400+370/400	370/400+370/400+370/400	370/400+370/400+370/400+370/400	370/400+370/400+370/400		
Compressor type		DC INV. SCROLL	DC INV. SCROLL	DC INV. SCROLL	DC INV. SCROLL		
Compressor brand		MITSUBISHI	MITSUBISHI	MITSUBISHI	MITSUBISHI		
Compressor quantity		6INV	6INV	8INV	8INV		
Refrigerant type		R410A	R410A	R410A	R410A		
Refrigerant charge	kg	30	30	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		
Max total pipe length	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		
Connectable indoor unit ratio	%	50-130	50-130	50-130	50-130		
Maximum number of indoor units		64	64	64	64		
Working temp.	Cooling	°C	-5~50				
	Heating	°C	-23~21				

Max drop between I.U.&O.U. \*1  
Standard design and production in the factory.  
Max drop between I.U. \*2  
Standard design and production in the factory.  
Max drop between I.U. \*3  
Standard design and production in the factory.  
Max drop between I.U. \*4  
Standard design and production in the factory.  
\* All the specifications are tested under normal 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. 7°C DB/6°C WB

Model			AV84IMVEVA	AV86IMVEVA	AV88IMVEVA	AV90IMVEVA	
Combination model			AV20IMVEVA	AV20IMVEVA	AV22IMVEVA	AV24IMVEVA	
			AV20IMVEVA	AV22IMVEVA	AV22IMVEVA	AV22IMVEVA	
			AV22IMVEVA	AV22IMVEVA	AV22IMVEVA	AV22IMVEVA	
			AV22IMVEVA	AV22IMVEVA	AV22IMVEVA	AV22IMVEVA	
Capacity	Capacity range	HP	84	86	88	90	
	Cooling	kW	235.0	240.5	246.0	252.5	
	Heating	kW	235.0	240.5	246.0	252.5	
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		
Electrical parameters	Cooling	Rated power input	kW	69.84	71.53	73.21	76.85
		Max power input	kW	107.20	110.60	114.00	114.60
		Rated current	A	117.91	120.75	123.60	129.73
		Max current	A	180.98	186.72	192.46	193.47
	Heating	Rated power input	kW	62.56	64.52	66.49	69.29
		Max power input	kW	96.40	99.20	102.00	103.00
		Rated current	A	105.62	108.93	112.24	116.98
		Max current	A	152.74	167.47	172.20	173.89
	SEER		6.64	6.59	6.54	6.37	
	SCOP		4.29	4.29	4.30	4.29	
	η <sub>s,c</sub>	%	262	260	259	252	
	η <sub>s,h</sub>	%	169	169	169	169	
Air flow (H)	m <sup>3</sup> /h	70000	71000	72000	72000		
Sound pressure level (H)	dB(A)	67	67	67	67.5		
Performance	External dimensions(W/D/H)	mm	1410/750/1690+1410/750/1690+1410/750/1690+1410/750/1690				
	Shipping dimensions(W/D/H)	mm	1515/850/1858+1515/850/1858+1515/850/1858+1515/850/1858				
Net/Shipping weight	kg	370/400+370/400+370/400+370/400					
Compressor type		DC INV. SCROLL	DC INV. SCROLL	DC INV. SCROLL	DC INV. SCROLL		
Compressor brand		MITSUBISHI	MITSUBISHI	MITSUBISHI	MITSUBISHI		
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	25.4	25.4	25.4		
Refrigerant gas pipe	mm	44.5	50.8	50.8	50.8		
Max total pipe length	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		
Connectable indoor unit ratio	%	50-130	50-130	50-130	50-130		
Maximum number of indoor units		64	64	64	64		
Working temp.	Cooling	°C	-5~50				
	Heating	°C	-23~21				

Max drop between I.U.&O.U. \*1  
Standard design and production in the factory.  
Max drop between I.U. \*2  
Standard design and production in the factory.  
Max drop between I.U. \*3  
Standard design and production in the factory.  
Max drop between I.U. \*4  
Standard design and production in the factory.  
\* All the specifications are tested under normal 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. 7°C DB/6°C WB

# 3/380~415/50/60



Model			AV92IMVEVA	AV94IMVEVA	AV96IMVEVA	AV98IMVEVA	
Capacity	Combination model		AV24IMVEVA	AV24IMVEVA	AV24IMVEVA	AV26IMVEVA	
			AV24IMVEVA	AV24IMVEVA	AV24IMVEVA	AV24IMVEVA	
			AV22IMVEVA	AV24IMVEVA	AV24IMVEVA	AV24IMVEVA	
			AV22IMVEVA	AV22IMVEVA	AV24IMVEVA	AV24IMVEVA	
Capacity	Capacity range	HP	92	94	96	98	
	Cooling	kW	259.0	265.5	272.0	277.5	
	Heating	kW	259.0	265.5	272.0	277.5	
Electrical parameters	Power supply	Ph/V/Hz	3/380-415/50/60	3/380-415/50/60	3/380-415/50/60	3/380-415/50/60	
	Cooling	Rated power input	kW	80.48	84.11	87.74	90.55
		Max power input	kW	115.20	115.80	116.40	120.30
		Rated current	A	135.86	142.00	148.13	152.87
		Max current	A	194.48	195.49	196.51	203.18
	Heating	Rated power input	kW	72.10	74.91	77.71	80.56
		Max power input	kW	104.00	105.00	106.00	109.90
		Rated current	A	121.72	126.46	131.20	136.00
		Max current	A	175.57	177.26	178.95	185.53
	SEER		6.22	6.09	5.97	5.89	
	SCOP		4.27	4.26	4.25	4.12	
	η <sub>s,c</sub>	%	246	241	236	232	
	η <sub>s,h</sub>	%	168	167	167	162	
	Performance	Air flow (H)	m <sup>3</sup> /h	72000	72000	72000	73000
Sound pressure level (H)		dB(A)	67.5	68	68	68	
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	1515/850/1858+1515/850/1858+1515/850/1858+1515/850/1858				
	Net/Shipping weight	kg	370/400+370/400+370/400+370/400				
	Compressor type		DC INV. SCROLL	DC INV. SCROLL	DC INV. SCROLL	DC INV. SCROLL	
	Compressor brand		mitsubishi	mitsubishi	mitsubishi	mitsubishi	
	Compressor quantity		8INV	8INV	8INV	8INV	
	Refrigerant type		R410A	R410A	R410A	R410A	
	Refrigerant charge	kg	40	40	40	40	
	Refrigerant liquid pipe	mm	25.4	25.4	25.4	25.4	
	Refrigerant gas pipe	mm	50.8	50.8	50.8	54.1	
	Max total pipe length	m	1000	1000	1000	1000	
	Max. pipe length (Equivalent/Actual)	m	260/220	260/220	260/220	260/220	
	Max drop between I.U.&O.U. (O.U. down/up) *1	m	110/90	110/90	110/90	110/90	
	Standard drop between I.U.&O.U. (O.U. up/down) *2	m	50/40	50/40	50/40	50/40	
Max drop between I.U. *3	m	30	30	30	30		
Standard drop between I.U. *4	m	18	18	18	18		
External static pressure	Pa	110	110	110	110		
Connection ratio	Connectable indoor unit ratio	%	50-130	50-130	50-130	50-130	
	Maximum number of indoor units		64	64	64	64	
Working temp.	Cooling	°C	-5~50				
	Heating	°C	-23~21				

Max drop between I.U.&O.U. \*1  
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 normal 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. 7°C DB/6°C WB

Model			AV100IMVEVA	AV102IMVEVA	AV104IMVEVA	
Capacity	Combination model		AV26IMVEVA	AV26IMVEVA	AV26IMVEVA	
			AV26IMVEVA	AV26IMVEVA	AV26IMVEVA	
			AV24IMVEVA	AV26IMVEVA	AV26IMVEVA	
			AV24IMVEVA	AV24IMVEVA	AV26IMVEVA	
Capacity	Capacity range	HP	100	102	104	
	Cooling	kW	283.0	288.5	294.0	
	Heating	kW	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	
	Cooling	Rated power input	kW	93.37	96.18	98.99
		Max power input	kW	124.20	128.10	132.00
		Rated current	A	157.62	162.37	167.12
		Max current	A	209.85	216.55	223.20
	Heating	Rated power input	kW	83.40	86.25	89.09
		Max power input	kW	113.80	117.70	121.60
		Rated current	A	140.80	145.60	150.40
		Max current	A	192.12	198.70	205.29
	SEER		5.81	5.74	5.68	
	SCOP		4.00	3.90	3.80	
	η <sub>s,c</sub>	%	229	227	224	
	η <sub>s,h</sub>	%	157	155	149	
	Performance	Air flow (H)	m <sup>3</sup> /h	74000	75000	76000
Sound pressure level (H)		dB(A)	68	68	68	
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	1515/850/1858+1515/850/1858+1515/850/1858+1515/850/1858			
	Net/Shipping weight	kg	370/400+370/400+370/400+370/400			
	Compressor type		DC INV. SCROLL	DC INV. SCROLL	DC INV. SCROLL	
	Compressor brand		mitsubishi	mitsubishi	mitsubishi	
	Compressor quantity		8INV	8INV	8INV	
	Refrigerant type		R410A	R410A	R410A	
	Refrigerant charge	kg	40	40	40	
	Refrigerant liquid pipe	mm	25.4	25.4	25.4	
	Refrigerant gas pipe	mm	54.1	54.1	54.1	
	Max total pipe length	m	1000	1000	1000	
	Max. pipe length (Equivalent/Actual)	m	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	
	Standard drop between I.U.&O.U. (O.U. up/down) *2	m	50/40	50/40	50/40	
Max drop between I.U. *3	m	30	30	30		
Standard drop between I.U. *4	m	18	18	18		
External static pressure	Pa	110	110	110		
Connection ratio	Connectable indoor unit ratio	%	50-130	50-130	50-130	
	Maximum number of indoor units		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 normal 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. 7°C DB/6°C WB