





# MRV IV



041 Features & Benefits  
048 MRV IV Outdoor



# MRV IV T1 3/380~400/50(60)

			AV08NMMEUA AV10NMMEUA AV12NMMEUA AV14NMMEUA AV16NMMEUA						AV18NMMEUA AV20NMMEUA AV22NMMEUA AV24NMMEUA				
8/10/12/14/16HP			18/20/22/24HP										
Model			AV20NMMEUA	AV22NMMEUA	AV24NMMEUA	AV26NMMEUA	AV28NMMEUA						
Combination model			/	/	/	AV12NMMEUA	AV14NMMEUA						
			/	/	/	AV14NMMEUA	AV14NMMEUA						
			/	/	/								
Capacity	Capacity range	HP	20	22	24	26	28						
	Cooling	kW	56	61.5	68	73.5	80						
	Heating	kW	63	69	73	82.5	90						
Electrical parameters	Power supply	Ph/V/Hz	3/380~400/50/60	3/380~400/50/60	3/380~400/50/60	3/380~400/50/60	3/380~400/50/60						
	Cooling	Rated power input	kW	15.56	17.57	19.71	18.85	20.51					
		Max power input	kW	25.19	30.56	37.47	31.64	33.81					
		Rated current	A	25.69	29.02	32.55	31.12	33.88					
		Max current	A	41.1	49.65	60.45	53.5	56.8					
	Heating	Rated power input	kW	15.95	18.16	19.47	19.44	21.43					
		Max power input	kW	25.19	27.72	28.62	29.28	31.20					
		Rated current	A	26.34	29.99	32.15	32.10	35.39					
		Max current	A	42	46.05	47.4	47.3	50.4					
	EER		3.60	3.50	3.45	3.90	3.90						
	COP		3.95	3.80	3.75	4.24	4.20						
	SEER		6.00	5.88	5.69	6.63	6.48						
	SCOP		4.19	3.99	3.87	4.84	4.73						
Performance	Air flow (H)	m³/h	C:16200/H:15000	C:16200/H:15000	C:16200/H:15000	C:30000/H:26400	C:30000/H:26400						
	Sound pressure level (H)	dB(A)	62	62	63	62	62.5						
	Sound power level (H)	dB(A)	79	79	80	79	80						
Installation	External dimensions (W/D/H)	mm	1350×720×2048	1350×720×2048	1350×720×2048	1350×720×1690+ 1350×720×1690	1350×720×1690*2						
	Shipping dimensions (W/D/H)	mm	1450×826×2225	1450×826×2225	1450×826×2225	1450×826×1885+ 1450×826×1885	1450×826×1885*2						
	Net/Shipping weight	kg	354/400	380/426	380/426	269/305+275/311	275/311+275/311						
	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	1INV+1INV	1INV*2						
	Refrigerant type		R410A	R410A	R410A	R410A	R410A						
	Refrigerant charge	kg	10	10	10	19.7	20						
	Refrigerant liquid pipe	mm	15.88	15.88	15.88	19.05	19.05						
	Refrigerant gas pipe	mm	28.58	28.58	28.58	31.8	31.8						
	Oil equalization pipe	mm	9.52	9.52	9.52	9.52	9.52						
	Max.total pipe length	m	1000	1000	1000	1000	1000						
	Max. pipe length (Equivalent/Actual)	m	190/165	190/165	190/165	190/165	190/165						
	Max drop between I.U.&O.U ( O.U up/down) *1	m	90/110	90/110	90/110	90/110	90/110						
	Standard drop between I.U.&O.U*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	82	82	82	82	82						
	Connection ratio	Connectable indoor unit ratio	%	50~160	50~160	50~160	50~160	50~160					
		Maximum number of indoor units		41	45	49	53	58					
Working temp.	Cooling(DB)	°C	(-5~50)										
	Heating(WB)	°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.

- Single Module: 8/10/12/14/16HP,18/20/22/24HP
- Combination Module: 26~72HP, 2~3 modules
- Full DC INVERTER technology
- Max.1000m total pipe length, Max.110m height drop
- Compatible with all the MRV indoor units.

Model			AV30NMMEUA	AV32NMMEUA	AV34NMMEUA	AV36NMMEUA	AV38NMMEUA	
Combination model			AV14NMMEUA	AV14NMMEUA	AV16NMMEUA	AV16NMMEUA	AV18NMMEUA	
			AV16NMMEUA	AV18NMMEUA	AV18NMMEUA	AV20NMMEUA	AV20NMMEUA	
Capacity	Capacity range	HP	30	32	34	36	38	
	Cooling	kW	85	90.4	95.4	101	106.4	
	Heating	kW	95	101.5	106.5	113	119.5	
Electrical parameters	Power supply	Ph/V/Hz	3/380-400/50/60	3/380-400/50/60	3/380-400/50/60	3/380-400/50/60	3/380-400/50/60	
	Cooling	Rated power input	kW	22.16	23.88	25.53	27.46	29.18
		Max power input	kW	39.59	39.00	44.78	47.87	47.28
		Rated current	A	36.60	39.43	42.16	45.35	48.19
		Max current	A	65.2	64.55	72.95	77.9	77.25
	Heating	Rated power input	kW	22.76	24.66	26.00	28.00	29.90
		Max power input	kW	32.80	38.28	39.88	42.39	47.87
		Rated current	A	37.59	40.73	42.94	46.24	49.38
		Max current	A	53.08	63	65.68	69.88	79.8
	EER		3.84	3.79	3.74	3.68	3.65	
	COP		4.17	4.12	4.10	4.04	4.00	
	SEER		6.21	6.29	6.07	6.01	6.08	
	SCOP		4.41	4.46	4.21	4.17	4.23	
Performance	Air flow (H)	m³/h	C:30600/H:27600	C:31200/H:28200	C:31480/H:29400	C:31480/H:29400	C:32400/H:30000	
	Sound pressure level (H)	dB(A)	63	64	64.5	64.5	65	
	Sound power level (H)	dB(A)	80	81	82	82	83	
Installation	External dimensions (W/D/H)	mm	1350×720×1690+ 1350×720×1690	1350×720×1690+ 1350×720×2048	1350×720×1690+ 1350×720×2048	1350×720×1690+ 1350×720×2048	1350×720×2048+ 1350×720×2048	
	Shipping dimensions (W/D/H)	mm	1450×826×1885+ 1450×826×1885	1450×826×1885+ 1450×826×2225	1450×826×1885+ 1450×826×2225	1450×826×1885+ 1450×826×2225	1450×826×2225+ 1450×826×2225	
	Net/Shipping weight	kg	275/311+323/359	275/311+354/400	323/359+354/400	323/359+354/400	354/400+354/400	
	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	1INV+2INV	2INV+2INV	2INV+2INV	2INV+2INV	
	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	31.8	31.8	31.8	38.1	38.1	
	Oil equalization pipe	mm	9.52	9.52	9.52	9.52	9.52	
	Max.total pipe length	m	1000	1000	1000	1000	1000	
	Max. pipe length (Equivalent/Actual)	m	190/165	190/165	190/165	190/165	190/165	
	Max drop between I.U.&O.U ( O.U up/down) *1	m	90/110	90/110	90/110	90/110	90/110	
	Standard drop between I.U.&O.U*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	82	82	82	82	82	
Connection ratio	Connectable indoor unit ratio	%	50-160	50-160	50-160	50-160	50-160	
	Maximum number of indoor units		62	64	64	64	64	
Working temp.	Cooling(DB)	℃	(-5-50)					
	Heating(WB)	℃	(-23-21)					

**Standard drop between I.U. \*4** Standard design and production in the factory.  
**Connectable indoor unit ratio \*5** If the connection capacity is between 130%~160%, you MUST contact your local distributor/dealer for individual design and separate order.  
\* 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)

# MRV IV T1 3/380~400/50(60)



AV08NMMEUA  
AV10NMMEUA  
AV12NMMEUA  
AV14NMMEUA  
AV16NMMEUA

8/10/12/14/16HP



AV18NMMEUA  
AV20NMMEUA  
AV22NMMEUA  
AV24NMMEUA

18/20/22/24HP

Model			AV40NMMEUA	AV42NMMEUA	AV44NMMEUA	AV46NMMEUA	AV48NMMEUA	
Combination model			AV20NMMEUA	AV20NMMEUA	AV20NMMEUA	AV22NMMEUA	AV24NMMEUA	
			AV20NMMEUA	AV22NMMEUA	AV24NMMEUA	AV24NMMEUA	AV24NMMEUA	
Capacity	Capacity range	HP	40	42	44	46	48	
	Cooling	kW	112	117.5	124	129.5	136	
	Heating	kW	126	132	136	142	146	
Electrical parameters	Power supply	Ph/V/Hz	3/380-400/50/60	3/380-400/50/60	3/380-400/50/60	3/380-400/50/60	3/380-400/50/60	
	Cooling	Rated power input	kW	31.11	33.13	35.27	37.28	39.42
		Max power input	kW	50.37	55.75	62.66	68.03	74.94
		Rated current	A	51.38	54.71	58.24	61.57	65.10
		Max current	A	82.2	90.75	101.55	110.1	120.9
	Heating	Rated power input	kW	31.90	34.11	35.42	37.62	38.93
		Max power input	kW	50.37	52.91	53.81	56.34	57.24
		Rated current	A	52.68	56.33	58.49	62.14	64.30
		Max current	A	84	88.05	89.4	93.45	94.8
	EER		3.60	3.55	3.52	3.47	3.45	
	COP		3.95	3.87	3.84	3.77	3.75	
	SEER		6.00	5.96	5.84	5.80	5.69	
	SCOP		4.19	4.08	4.01	3.93	3.87	
Performance	Air flow (H)	m³/h	C:32400/H:30000	C:32400/H:30000	C:32400/H:30000	C:32400/H:30000	C:32400/H:30000	
	Sound pressure level (H)	dB(A)	65	65	65.5	65.5	66	
	Sound power level (H)	dB(A)	83	83	83	83	84	
Installation	External dimensions (W/D/H)	mm	1350×720×2048*2	1350×720×2048+1350×720×2048	1350×720×2048+1350×720×2048	1350×720×2048+1350×720×2048	(1350×720×2048)*2	
	Shipping dimensions (W/D/H)	mm	1450×826×2225*2	1450×826×2225+1450×826×2225	1450×826×2225+1450×826×2225	1450×826×2225+1450×826×2225	(1450×826×2225)*2	
	Net/Shipping weight	kg	354/400+354/400	354/400+380/426	354/400+380/426	380/426+380/426	380/426+380/426	
	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*2	2INV+2INV	2INV+2INV	2INV+2INV	2INV*2	
	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	
	Oil equalization pipe	mm	9.52	9.52	9.52	9.52	9.52	
	Max.total pipe length	m	1000	1000	1000	1000	1000	
	Max. pipe length (Equivalent/Actual)	m	190/165	190/165	190/165	190/165	190/165	
	Max drop between I.U.&O.U (O.U up/down) *1	m	90/110	90/110	90/110	90/110	90/110	
	Standard drop between I.U.&O.U*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	82	82	82	82	82	
Connection ratio	Connectable indoor unit ratio	%	50-160	50-160	50-160	50-160	50-160	
	Maximum number of indoor units		64	64	64	64	64	
Working temp.	Cooling(DB)	°C	(-5-50)					
	Heating(WB)	°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.

- Single Module: 8/10/12/14/16HP,18/20/22/24HP
- Combination Module: 26~72HP, 2~3 modules
- Full DC INVERTER technology
- Max.1000m total pipe length, Max.110m height drop
- Compatible with all the MRV indoor units.

Model			AV50NMMEUA	AV52NMMEUA	AV54NMMEUA	AV56NMMEUA	
Combination model			AV14NMMEUA	AV16NMMEUA	AV16NMMEUA	AV16NMMEUA	
			AV18NMMEUA	AV16NMMEUA	AV18NMMEUA	AV20NMMEUA	
			AV18NMMEUA	AV20NMMEUA	AV20NMMEUA	AV20NMMEUA	
Capacity	Capacity range	HP	50	52	54	56	
	Cooling	kW	140.8	146	151.4	157	
	Heating	kW	158	163	169.5	176	
Electrical parameters	Power supply	Ph/V/Hz	3/380-400/50/60	3/380-400/50/60	3/380-400/50/60	3/380-400/50/60	
	Cooling	Rated power input	kW	37.50	39.37	41.08	43.02
		Max power input	kW	61.10	70.55	69.96	73.05
		Rated current	A	61.93	65.01	67.85	71.04
		Max current	A	100.7	114.7	114.05	119
	Heating	Rated power input	kW	38.62	40.05	41.95	43.95
		Max power input	kW	60.96	59.59	65.07	67.57
		Rated current	A	63.77	66.14	69.28	72.58
		Max current	A	100.8	97.76	107.68	111.88
	EER		3.75	3.71	3.69	3.65	
	COP		4.09	4.07	4.04	4.00	
	SEER		6.36	6.12	6.05	6.01	
	SCOP		4.39	4.17	4.20	4.18	
Performance	Air flow (H)	m³/h	C: 44440/H: 43200	C: 44440/H: 43480	C: 48000/H: 44400	C: 48000/H: 44400	
	Sound pressure level (H)	dB(A)	66	66	66.5	66.5	
	Sound power level (H)	dB(A)	84	84	85	85	
Installation	External dimensions (W/D/H)	mm	1350×720×1690+ (1350×720×2048)*2	(1350×720×1690)*2+ (1350×720×2048)	(1350×720×1690)+(1350× 720×2048)+(1350×720×2048)	(1350×720×1690)+ (1350×720×2048)*2	
	Shipping dimensions (W/D/H)	mm	1450×826×1885+ (1450×826×2225)*2	(1450×826×1885)*2+ (1450×826×2225)	(1450×826×1885)+(1450× 826×2225)+(1450×826×2225)	(1450×826×1885)+ (1450×826×2225)*2	
	Net/Shipping weight	kg	275/311+354/400+354/400	323/359+323/359+354/400	323/359+354/400+354/400	323/359+354/400+354/400	
	Compressor type		DC INV. SCROLL	DC INV. SCROLL	DC INV. SCROLL	DC INV. SCROLL	
	Compressor brand		DAIKIN ELECTRIC	DAIKIN ELECTRIC	DAIKIN ELECTRIC	DAIKIN ELECTRIC	
	Compressor quantity		1INV+2INV*2	2INV*2+2INV	2INV+2INV+2INV	2INV+2INV*2	
	Refrigerant type		R410A	R410A	R410A	R410A	
	Refrigerant charge	kg	30	30	30	30	
	Refrigerant liquid pipe	mm	19.05	19.05	19.05	19.05	
	Refrigerant gas pipe	mm	38.1	38.1	38.1	41.3	
	Oil equalization pipe	mm	9.52	9.52	9.52	9.52	
	Max.total pipe length	m	1000	1000	1000	1000	
	Max. pipe length (Equivalent/Actual)	m	190/165	190/165	190/165	190/165	
	Max drop between I.U.&O.U ( O.U up/down) *1	m	90/110	90/110	90/110	90/110	
	Standard drop between I.U.&O.U*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	82	82	82	82	
Connection ratio	Connectable indoor unit ratio	%	50-160	50-160	50-160	50-160	
	Maximum number of indoor units		64	64	64	64	
Working temp.	Cooling(DB)	℃	(-5-50)				
	Heating(WB)	℃	(-23-21)				

Standard drop between I.U. \*4 Standard design and production in the factory.

Connectable indoor unit ratio \*5 If the connection capacity is between 130%-160%, you MUST contact your local distributor/dealer for individual design and separate order.

\* 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)

# MRV IV T1 3/380~400/50(60)



AV08NMMEUA  
AV10NMMEUA  
AV12NMMEUA  
AV14NMMEUA  
AV16NMMEUA

8/10/12/14/16HP



AV18NMMEUA  
AV20NMMEUA  
AV22NMMEUA  
AV24NMMEUA

18/20/22/24HP

Model			AV58NMMEUA	AV60NMMEUA	AV62NMMEUA	AV64NMMEUA
Combination model			AV18NMMEUA	AV20NMMEUA	AV20NMMEUA	AV20NMMEUA
			AV20NMMEUA	AV20NMMEUA	AV20NMMEUA	AV20NMMEUA
			AV20NMMEUA	AV20NMMEUA	AV22NMMEUA	AV24NMMEUA
Capacity	Capacity range	HP	58	60	62	64
	Cooling	kW	162.4	168	173.5	180
	Heating	kW	182.5	189	195	199
Electrical parameters	Power supply	Ph/V/Hz	3/380-400/50/60	3/380-400/50/60	3/380-400/50/60	3/380-400/50/60
	Cooling	Rated power input	kW	44.73	46.67	48.68
		Max power input	kW	72.47	75.56	80.93
		Rated current	A	73.88	77.07	83.93
		Max current	A	118.35	123.3	131.85
	Heating	Rated power input	kW	45.85	47.85	50.06
		Max power input	kW	73.05	75.56	78.09
		Rated current	A	75.72	79.02	84.83
		Max current	A	121.8	126	130.05
	EER		3.63	3.60	3.56	3.54
	COP		3.98	3.95	3.90	3.87
	SEER		6.06	6.00	5.98	5.90
	SCOP		4.21	4.19	4.12	4.07
Performance	Air flow (H)	m³/h	C: 48600/H: 45000	C: 48600/H: 45000	C: 48600/H: 45000	C: 48600/H: 45000
	Sound pressure level (H)	dB(A)	67	67	67	67
	Sound power level (H)	dB(A)	85	85	85	85
Installation	External dimensions (W/D/H)	mm	(1350×720×2048)+(1350×720×2048)*2	(1350×720×2048)*3	(1350×720×2048)*2+(1350×720×2048)	(1350×720×2048)*2+(1350×720×2048)
	Shipping dimensions (W/D/H)	mm	(1450×826×2225)+(1450×826×2225)*2	(1450×826×2225)*3	(1450×826×2225)*2+(1450×826×2225)	(1450×826×2225)*2+(1450×826×2225)
	Net/Shipping weight	kg	354/400+354/400+354/400	354/400+354/400+354/400	354/400+354/400+380/426	354/400+354/400+380/426
	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		2INV+2INV*2	2INV*3	2INV*2+2INV	2INV*2+2INV
	Refrigerant type		R410A	R410A	R410A	R410A
	Refrigerant charge	kg	30	30	30	30
	Refrigerant liquid pipe	mm	19.05	19.05	19.05	19.05
	Refrigerant gas pipe	mm	41.3	41.3	41.3	41.3
	Oil equalization pipe	mm	9.52	9.52	9.52	9.52
	Max.total pipe length	m	1000	1000	1000	1000
	Max. pipe length (Equivalent/Actual)	m	190/165	190/165	190/165	190/165
	Max drop between I.U.&O.U (O.U up/down) *1	m	90/110	90/110	90/110	90/110
	Standard drop between I.U.&O.U*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	82	82	82	82
Connection ratio	Connectable indoor unit ratio	%	50-160	50-160	50-160	50-160
	Maximum number of indoor units		64	64	64	64
Working temp.	Cooling(DB)	°C	(-5-50)			
	Heating(WB)	°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.

- Single Module: 8/10/12/14/16HP,18/20/22/24HP
- Combination Module: 26-72HP, 2-3 modules
- Full DC INVERTER technology
- Max.1000m total pipe length, Max.110m height drop
- Compatible with all the MRV indoor units.

Model			AV66NMMEUA	AV68NMMEUA	AV70NMMEUA	AV72NMMEUA
Combination model			AV20NMMEUA	AV20NMMEUA	AV22NMMEUA	AV24NMMEUA
			AV22NMMEUA	AV24NMMEUA	AV24NMMEUA	AV24NMMEUA
			AV24NMMEUA	AV24NMMEUA	AV24NMMEUA	AV24NMMEUA
Capacity	Capacity range	HP	66	68	70	72
	Cooling	kW	185.5	192	197.5	204
	Heating	kW	205	209	215	219
Electrical parameters	Power supply	Ph/V/Hz	3/380-400/50/60	3/380-400/50/60	3/380-400/50/60	3/380-400/50/60
	Cooling	Rated power input	kW	52.84	54.98	56.99
		Max power input	kW	93.22	100.13	105.50
		Rated current	A	87.26	90.79	94.12
		Max current	A	151.2	162	170.55
	Heating	Rated power input	kW	53.57	54.88	57.09
		Max power input	kW	81.53	82.43	84.96
		Rated current	A	88.48	90.64	94.29
		Max current	A	135.45	136.8	140.85
	EER		3.51	3.49	3.47	3.45
	COP		3.83	3.81	3.77	3.75
	SEER		5.86	5.79	5.77	5.69
	SCOP		4.00	3.96	3.91	3.87
Performance	Air flow (H)	m³/h	C: 48600/H: 45000	C: 48600/H: 45000	C: 48600/H: 45000	C: 48600/H: 45000
	Sound pressure level (H)	dB(A)	67	67.5	67.5	68
	Sound power level (H)	dB(A)	85	86	86	86
Installation	External dimensions (W/D/H)	mm	(1350×720×2048)+(1350×720×2048)+(1350×720×2048)	(1350×720×2048)+(1350×720×2048)*2	(1350×720×2048)+(1350×720×2048)*2	(1350×720×2048)*3
	Shipping dimensions (W/D/H)	mm	(1450×826×2225)+(1450×826×2225)+(1450×826×2225)	(1450×826×2225)+(1450×826×2225)*2	(1450×826×2225)+(1450×826×2225)*2	(1450×826×2225)*3
	Net/Shipping weight	kg	354/400+380/426+380/426	354/400+380/426+380/426	380/426+380/426+380/426	380/426+380/426+380/426
	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		2INV+2INV+2INV	2INV+2INV*2	2INV+2INV*2	2INV*3
	Refrigerant type		R410A	R410A	R410A	R410A
	Refrigerant charge	kg	30	30	30	30
	Refrigerant liquid pipe	mm	22.22	22.22	22.22	22.22
	Refrigerant gas pipe	mm	44.5	44.5	44.5	44.5
	Oil equalization pipe	mm	9.52	9.52	9.52	9.52
	Max.total pipe length	m	1000	1000	1000	1000
	Max. pipe length (Equivalent/Actual)	m	190/165	190/165	190/165	190/165
	Max drop between I.U.&O.U (O.U up/down) *1	m	90/110	90/110	90/110	90/110
	Standard drop between I.U.&O.U*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	82	82	82	82
Connection ratio	Connectable indoor unit ratio	%	50-160		50-160	50-160
	Maximum number of indoor units		64	64	64	64
Working temp.	Cooling(DB)	°C	(-5-50)			
	Heating(WB)	°C	(-23-21)			

Standard drop between I.U. \*4 Standard design and production in the factory.  
Connectable indoor unit ratio \*5 If the connection capacity is between 130%-160%, you MUST contact your local distributor/dealer for individual design and separate order.  
\* 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)

MRV IV T1 3/208~230/50(60)



Model			AV08CMMEUA	AV10CMMEUA	AV12CMMEUA	AV14CMMEUA	AV16CMMEUA	
Combination model			/	/	/	/	/	
			/	/	/	/	/	
			/	/	/	/	/	
Capacity	Capacity range	HP	8	10	12	14	16	
	Cooling	kW	25.2	28	33.5	40	45	
	Heating	kW	27.3	31.5	37.5	45	50	
Electrical parameters	Power supply	Ph/V/Hz	3/208-230V/60	3/208-230V/60	3/208-230V/60	3/208-230V/60	3/208-230V/60	
	Cooling	Rated power input	kW	5.31	6.09	7.61	9.20	10.84
		Max power input	kW	12.64	13.99	16.28	23.18	23.18
		Rated current	A	16.07	18.44	23.06	27.85	32.84
		Max current	A	36.99	40.16	40.81	56.54	57.03
	Heating	Rated power input	kW	5.25	6.36	7.98	9.78	11.11
		Max power input	kW	9.48	12.60	15.31	17.87	17.77
		Rated current	A	15.90	19.27	24.17	29.63	33.65
		Max current	A	27.05	36.49	38.44	50.22	50.68
	EER		4.75	4.60	4.40	4.35	4.15	
	COP		5.20	4.95	4.70	4.60	4.50	
Performance	Air flow (H)	m³/h	C:15000/H:13200	C:15000/H:13200	C:15000/H:13200	C:15600/H:14400	C:15600/H:14400	
	Sound pressure level (H)	dB(A)	57	57	59	61	61	
	Sound power level (H)	dB(A)	73	73	75	77	77	
Installation	External dimensions (W/D/H)	mm	1350×720×1690	1350×720×1690	1350×720×1690	1350×720×1690	1350×720×1690	
	Shipping dimensions (W/D/H)	mm	1450×826×1885	1450×826×1885	1450×826×1885	1450×826×1885	1450×826×1885	
	Net/Shipping weight	kg	276/301	276/301	276/301	321/346	321/346	
	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	1INV	1INV	2INV	2INV	
	Refrigerant type		R410A	R410A	R410A	R410A	R410A	
	Refrigerant charge	kg	9.7	9.7	9.7	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	
	Oil equalization pipe	mm	9.52	9.52	9.52	9.52	9.52	
	Max.total pipe length	m	1000	1000	1000	1000	1000	
	Max. pipe length (Equivalent/Actual)	m	190/165	190/165	190/165	190/165	190/165	
	Max drop between I.U.&O.U (O.U up/down) *1	m	90/110	90/110	90/110	90/110	90/110	
	Standard drop between I.U.&O.U*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	82	82	82	82	82	
Connection ratio	Connectable indoor unit ratio	%	50-130	50-130	50-130	50-130	50-130	
	Maximum number of indoor units		14	16	20	24	27	
Working temp.	Cooling(DB)	℃	(-5-50)					
	Heating(WB)	℃	(-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.

- Single Module: 8/10/12/14/16HP,18/20HP
- Combination Module: 22-60HP, 2-3 modules
- Full DC INVERTER technology
- Max.1000m total pipe length, Max.110m height drop
- Compatible with all the MRV indoor units.

Model			AV18CMMEUA	AV20CMMEUA	AV22CMMEUA	AV24CMMEUA	AV26CMMEUA	
Combination model			/	/	AV10CMMEUA	AV10CMMEUA	AV12CMMEUA	
			/	/	AV12CMMEUA	AV14CMMEUA	AV14CMMEUA	
			/	/	/	/	/	
Capacity	Capacity range	HP	18	20	22	24	26	
	Cooling	kW	50.4	56	61.5	68	73.5	
	Heating	kW	56.5	63	69	76.5	82.5	
Electrical parameters	Power supply	Ph/V/Hz	3/208-230V/60	3/208-230V/60	3/208-230V/60	3/208-230V/60	3/208-230V/60	
	Cooling	Rated power input	kW	12.60	14.36	13.70	15.29	16.81
		Max power input	kW	23.90	28.36	30.27	37.17	39.46
		Rated current	A	38.16	43.49	41.50	46.29	50.91
		Max current	A	65.53	69.56	80.97	96.7	97.35
	Heating	Rated power input	kW	13.14	15.18	14.34	16.14	17.76
		Max power input	kW	20.94	22.23	27.91	30.47	33.18
		Rated current	A	39.80	45.98	43.44	48.9	53.8
		Max current	A	61.06	61.93	74.93	86.71	88.66
	EER		4.00	3.90	4.49	4.45	4.37	
	COP		4.30	4.15	4.81	4.74	4.65	
Performance	Air flow (H)	m³/h	C:16200/H:15000	C:16200/H:15000	C:30000/H:26400	C:30600/H:27600	C:30600/H:27600	
	Sound pressure level (H)	dB(A)	62	62	61.5	62.5	63.5	
	Sound power level (H)	dB(A)	79	79	79	80	81	
Installation	External dimensions (W/D/H)	mm	1350×720×2048	1350×720×2048	1350×720×1690 +1350×720×1690	1350×720×1690 +1350×720×1690	1350×720×1690 +1350×720×1690	
	Shipping dimensions (W/D/H)	mm	1450×826×2225	1450×826×2225	1450×826×1885 +1450×826×1885	1450×826×1885 +1450×826×1885	1450×826×1885 +1450×826×1885	
	Net/Shipping weight	kg	335/360	335/360	276/301+276/301	276/301+321/346	321/346+276/301	
	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	1INV+1INV	1INV+2INV	2INV+1INV	
	Refrigerant type		R410A	R410A	R410A	R410A	R410A	
	Refrigerant charge	kg	10	10	19.4	19.7	19.7	
	Refrigerant liquid pipe	mm	15.88	15.88	15.88	15.88	19.05	
	Refrigerant gas pipe	mm	28.58	28.58	28.58	28.58	31.8	
	Oil equalization pipe	mm	9.52	9.52	9.52	9.52	9.52	
	Max.total pipe length	m	1000	1000	1000	1000	1000	
	Max. pipe length (Equivalent/Actual)	m	190/165	190/165	190/165	190/165	190/165	
	Max drop between I.U.&O.U ( O.U up/down) *1	m	90/110	90/110	90/110	90/110	90/110	
	Standard drop between I.U.&O.U*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	82	82	82	82	82	
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(DB)	℃	(-5-50)					
	Heating(WB)	℃	(-23-21)					

Standard drop between I.U. \*4

Connectable indoor unit ratio \*5

Standard design and production in the factory.

If the connection capacity is between 130%-160%, you MUST contact your local distributor/dealer for individual design and separate order.

\* 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)



MRV IV T1 3/208~230/50(60)



AV08NMMEUA  
AV10NMMEUA  
AV12NMMEUA  
AV14NMMEUA  
AV16NMMEUA

8/10/12/14/16HP



AV18NMMEUA  
AV20NMMEUA  
AV22NMMEUA  
AV24NMMEUA

18/20/22/24HP

Model			AV28CMMEUA	AV30CMMEUA	AV32CMMEUA	AV34CMMEUA	AV36CMMEUA
Combination model			AV12CMMEUA	AV14CMMEUA	AV14CMMEUA	AV14CMMEUA	AV16CMMEUA
			AV16CMMEUA	AV16CMMEUA	AV18CMMEUA	AV20CMMEUA	AV20CMMEUA
			/	/	/	/	/
Capacity	Capacity range	HP	28	30	32	34	36
	Cooling	kW	78.5	85	90.4	96	101
	Heating	kW	87.5	95	101.5	108	113
Electrical parameters	Power supply	Ph/V/Hz	3/208~230V/60	3/208~230V/60	3/208~230V/60	3/208~230V/60	3/208~230V/60
	Cooling	Rated power input	kW	18.45	20.04	21.8	23.56
		Max power input	kW	39.46	46.36	47.08	51.54
		Rated current	A	55.9	60.69	66.01	71.34
		Max current	A	97.84	113.57	122.07	126.59
	Heating	Rated power input	kW	19.09	20.89	22.92	24.96
		Max power input	kW	33.08	35.64	38.81	40.1
		Rated current	A	57.82	63.28	69.43	75.61
		Max current	A	89.12	100.9	111.28	112.15
	EER		4.25	4.24	4.15	4.07	4.01
	COP		4.58	4.55	4.43	4.33	4.30
Performance	Air flow (H)	m³/h	C:30600/H:27600	C:31200/H:28800	C:31800/H:29400	C:31800/H:29400	C:31800/H:29400
	Sound pressure level (H)	dB(A)	63.5	64	64.5	64.5	64.5
	Sound power level (H)	dB(A)	81	82	82	82	82
Installation	External dimensions (W/D/H)	mm	1350×720×1690 +1350×720×1690	1350×720×1690 +1350×720×1690	1350×720×1690 +1350×720×2048	1350×720×1690 +1350×720×2048	1350×720×1690 +1350×720×2048
	Shipping dimensions (W/D/H)	mm	1450×826×1885 +1450×826×1885	1450×826×1885 +1450×826×1885	1450×826×1885 +1450×826×2225	1450×826×1885 +1450×826×2225	1450×826×1885 +1450×826×2225
	Net/Shipping weight	kg	321/346+276/301	321/346+321/346	321/346+335/360	321/346+335/360	321/346+335/360
	Compressor type		DC INV. SCROLL	DC INV. SCROLL	DC INV. SCROLL	DC INV. SCROLL	DC INV. SCROLL
	Compressor brand		DAIKIN ELECTRIC	DAIKIN ELECTRIC	DAIKIN ELECTRIC	DAIKIN ELECTRIC	DAIKIN ELECTRIC
	Compressor quantity		2INV+1INV	2INV+2INV	2INV+2INV	2INV+2INV	2INV+2INV
	Refrigerant type		R410A	R410A	R410A	R410A	R410A
	Refrigerant charge	kg	19.7	20	20	20	20
	Refrigerant liquid pipe	mm	19.05	19.05	19.05	19.05	19.05
	Refrigerant gas pipe	mm	31.8	31.8	31.8	31.8	38.1
	Oil equalization pipe	mm	9.52	9.52	9.52	9.52	9.52
	Max.total pipe length	m	1000	1000	1000	1000	1000
	Max. pipe length (Equivalent/Actual)	m	190/165	190/165	190/165	190/165	190/165
	Max drop between I.U.&O.U ( O.U up/down) *1	m	90/110	90/110	90/110	90/110	90/110
	Standard drop between I.U.&O.U*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	82	82	82	82	82
Connection ratio	Connectable indoor unit ratio	%	50~130	50~130	50~130	50~130	50~130
	Maximum number of indoor units		46	50	53	57	60
Working temp.	Cooling(DB)	°C	(-5~50)				
	Heating(WB)	°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.

- Single Module: 8/10/12/14/16HP,18/20HP
- Combination Module: 22~60HP, 2~3 modules
- Full DC INVERTER technology
- Max.1000m total pipe length, Max.110m height drop
- Compatible with all the MRV indoor units.

Model			AV38CMMEUA	AV40CMMEUA	AV42CMMEUA	AV44CMMEUA
Combination model			AV18CMMEUA	AV20CMMEUA	AV12CMMEUA	AV12CMMEUA
			AV20CMMEUA	AV20CMMEUA	AV14CMMEUA	AV16CMMEUA
			/	/	AV16CMMEUA	AV16CMMEUA
Capacity	Capacity range	HP	38	40	42	44
	Cooling	kW	106.4	112	118.5	123.5
	Heating	kW	119.5	126	132.5	137.5
Electrical parameters	Power supply	Ph/V/Hz	3/208~230V/60	3/208~230V/60	3/208~230V/60	3/208~230V/60
	Cooling	Rated power input	kW	26.96	28.72	27.65
		Max power input	kW	52.26	56.72	62.64
		Rated current	A	81.65	86.98	83.75
		Max current	A	135.09	139.12	154.38
	Heating	Rated power input	kW	28.32	30.36	28.87
		Max power input	kW	43.17	44.46	50.95
		Rated current	A	85.78	91.96	87.45
		Max current	A	122.99	123.86	139.34
	EER		3.95	3.90	4.29	4.22
	COP		4.22	4.15	4.59	4.55
Performance	Air flow (H)	m³/h	C:32400/H:30000	C:32400/H:30000	C:46200/H:42000	C:46200/H:42000
	Sound pressure level (H)	dB(A)	65	65	65.5	65.5
	Sound power level (H)	dB(A)	83	83	84	84
Installation	External dimensions (W/D/H)	mm	1350×720×2048 +1350×720×2048	(1350×720×2048)*2	1350×720×1690 +1350×720×1690 +1350×720×1690	1350×720×1690 +1350×720×1690 +1350×720×1690
	Shipping dimensions (W/D/H)	mm	1450×826×2225 +1450×826×2225	(1450×826×2225)*2	1450×826×1885 +1450×826×1885 +1450×826×1885	1450×826×1885 +1450×826×1885 +1450×826×1885
	Net/Shipping weight	kg	335/360+335/360	(335/360)*2	276/301+321/346+321/346	276/301+321/346+321/346
	Compressor type		DC INV. SCROLL	DC INV. SCROLL	DC INV. SCROLL	DC INV. SCROLL
	Compressor brand		DAIKIN ELECTRIC	DAIKIN ELECTRIC	DAIKIN ELECTRIC	DAIKIN ELECTRIC
	Compressor quantity		2INV+2INV	(2INV)*2	1INV+2INV+2INV	1INV+2INV+2INV
	Refrigerant type		R410A	R410A	R410A	R410A
	Refrigerant charge	kg	20	20	29.7	29.7
	Refrigerant liquid pipe	mm	19.05	19.05	19.05	19.05
	Refrigerant gas pipe	mm	38.1	38.1	38.1	38.1
	Oil equalization pipe	mm	9.52	9.52	9.52	9.52
	Max.total pipe length	m	1000	1000	1000	1000
	Max. pipe length (Equivalent/Actual)	m	190/165	190/165	190/165	190/165
	Max drop between I.U.&O.U ( O.U up/down) *1	m	90/110	90/110	90/110	90/110
	Standard drop between I.U.&O.U*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	82	82	82	82
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(DB)	°C	(-5~50)			
	Heating(WB)	°C	(-23~21)			

Standard drop between I.U. \*4 Standard design and production in the factory.  
Connectable indoor unit ratio \*5 If the connection capacity is between 130%~160%, you MUST contact your local distributor/dealer for individual design and separate order.  
\* 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)

MRV IV T1 3/208~230/50(60)



AV08NMMEUA  
AV10NMMEUA  
AV12NMMEUA  
AV14NMMEUA  
AV16NMMEUA

8/10/12/14/16HP



AV18NMMEUA  
AV20NMMEUA  
AV22NMMEUA  
AV24NMMEUA

18/20/22/24HP

Model			AV46CMMEUA	AV48CMMEUA	AV50CMMEUA	AV52CMMEUA
Combination model			AV14CMMEUA	AV16CMMEUA	AV16CMMEUA	AV16CMMEUA
			AV16CMMEUA	AV16CMMEUA	AV16CMMEUA	AV16CMMEUA
			AV16CMMEUA	AV16CMMEUA	AV18CMMEUA	AV20CMMEUA
Capacity	Capacity range	HP	46	48	50	52
	Cooling	kW	130	135	140.4	146
	Heating	kW	145	150	156.5	163
Electrical parameters	Power supply	Ph/V/Hz	3/208~230V/60	3/208~230V/60	3/208~230V/60	3/208~230V/60
	Cooling	Rated power input	kW	30.88	32.52	34.28
		Max power input	kW	69.54	69.54	70.26
		Rated current	A	93.53	98.52	103.84
		Max current	A	170.6	171.09	179.59
	Heating	Rated power input	kW	32	33.33	35.36
		Max power input	kW	53.41	53.31	56.48
		Rated current	A	96.93	100.95	107.1
		Max current	A	151.58	152.04	162.42
	EER		4.21	4.15	4.10	4.05
	COP		4.53	4.50	4.43	4.36
Performance	Air flow (H)	m³/h	C:46800/H:43200	C:46800/H:43200	C:47400/H:43800	C:47400/H:43800
	Sound pressure level (H)	dB(A)	66	66	66.5	66.5
	Sound power level (H)	dB(A)	84	84	85	85
Installation	External dimensions (W/D/H)	mm	(1350×720×1690)*2 +1350×720×1690	(1350×720×1690)*3	(1350×720×1690)*2 +1350×720×2048	(1350×720×1690)*2 +1350×720×2048
	Shipping dimensions (W/D/H)	mm	(1450×826×1885)*2 +1450×826×1885	(1450×826×1885)*3	(1450×826×1885)*2 +1450×826×2225	(1450×826×1885)*2 +1450×826×2225
	Net/Shipping weight	kg	(321/346)*2+321/346	(321/346)*3	(321/346)*2+335/360	(321/346)*2+335/360
	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		(2INV)*2+2INV	(2INV)*3	(2INV)*2+2INV	(2INV)*2+2INV
	Refrigerant type		R410A	R410A	R410A	R410A
	Refrigerant charge	kg	30	30	30	30
	Refrigerant liquid pipe	mm	19.05	19.05	19.05	19.05
	Refrigerant gas pipe	mm	38.1	38.1	38.1	38.1
	Oil equalization pipe	mm	9.52	9.52	9.52	9.52
	Max.total pipe length	m	1000	1000	1000	1000
	Max. pipe length (Equivalent/Actual)	m	190/165	190/165	190/165	190/165
	Max drop between I.U.&O.U ( O.U up/down) *1	m	90/110	90/110	90/110	90/110
	Standard drop between I.U.&O.U*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	82	82	82	82
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(DB)	°C	(-5-50)			
	Heating(WB)	°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.

- Single Module: 8/10/12/14/16HP,18/20HP
- Combination Module: 22-60HP, 2-3 modules
- Full DC INVERTER technology
- Max.1000m total pipe length, Max.110m height drop
- Compatible with all the MRV indoor units.

Model			AV54CMMEUA	AV56CMMEUA	AV58CMMEUA	AV60CMMEUA
Combination model			AV16CMMEUA	AV18CMMEUA	AV18CMMEUA	AV20CMMEUA
			AV18CMMEUA	AV18CMMEUA	AV20CMMEUA	AV20CMMEUA
			AV20CMMEUA	AV20CMMEUA	AV20CMMEUA	AV20CMMEUA
Capacity	Capacity range	HP	54	56	58	60
	Cooling	kW	151.4	156.8	162.4	168
	Heating	kW	169.5	176	182.5	189
Electrical parameters	Power supply	Ph/V/Hz	3/208~230V/60	3/208~230V/60	3/208~230V/60	3/208~230V/60
	Cooling	Rated power input	kW	37.8	39.56	41.32
		Max power input	kW	75.44	76.16	80.62
		Rated current	A	114.49	119.81	125.14
		Max current	A	192.12	200.62	204.65
	Heating	Rated power input	kW	39.43	41.46	43.5
		Max power input	kW	60.94	64.11	65.4
		Rated current	A	119.43	125.58	131.76
		Max current	A	173.67	184.05	184.92
	EER		4.01	3.96	3.93	3.90
	COP		4.30	4.25	4.20	4.15
Performance	Air flow (H)	m³/h	C:48000/H:44400	C:48600/H:45000	C:48600/H:45000	C:48600/H:45000
	Sound pressure level (H)	dB(A)	66.5	67	67	67
	Sound power level (H)	dB(A)	85	85	85	85
Installation	External dimensions (W/D/H)	mm	1350×720×1690 +1350×720×2048 +1350×720×2048	1350×720×2048 +(1350×720×2048)*2	1350×720×2048 +(1350×720×2048)*2	(1350×720×2048)*3
	Shipping dimensions (W/D/H)	mm	1450×826×1885 +1450×826×2225 +1450×826×2225	1450×826×2225 +(1450×826×2225)*2	1450×826×2225 +(1450×826×2225)*2	(1450×826×2225)*3
	Net/Shipping weight	kg	321/346+335/360+335/360	335/360+(335/360)*2	335/360+(335/360)*2	(335/360)*3
	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		2INV+2INV+2INV	2INV+(2INV)*2	2INV+(2INV)*2	(2INV)*3
	Refrigerant type		R410A	R410A	R410A	R410A
	Refrigerant charge	kg	30	30	30	30
	Refrigerant liquid pipe	mm	19.05	19.05	19.05	19.05
	Refrigerant gas pipe	mm	38.1	41.3	41.3	41.3
	Oil equalization pipe	mm	9.52	9.52	9.52	9.52
	Max.total pipe length	m	1000	1000	1000	1000
	Max. pipe length (Equivalent/Actual)	m	190/165	190/165	190/165	190/165
	Max drop between I.U.&O.U ( O.U up/down) *1	m	90/110	90/110	90/110	90/110
	Standard drop between I.U.&O.U*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	82	82	82	82
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(DB)	°C	(-5-50)			
	Heating(WB)	°C	(-23-21)			

Standard drop between I.U. \*4 Standard design and production in the factory.  
Connectable indoor unit ratio \*5 If the connection capacity is between 130%-160%, you MUST contact your local distributor/dealer for individual design and separate order.  
\* 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)

MRV IV T3 3/380~400/50(60)



Model			AV08IMMEUB	AV10IMMEUB	AV12IMMEUB	AV14IMMEUB	AV16IMMEUB	
Combination model			/	/	/	/	/	
			/	/	/	/	/	
			/	/	/	/	/	
Capacity	Capacity range	HP	8	10	12	14	16	
	Cooling (T1)	kW	25.2	28	33.5	40	45	
	Cooling (T3)	kW	23.2	25.2	28.5	32.8	39.6	
	Heating	kW	27	33.5	37.8	45	50	
Electrical parameters	Power supply	Ph/V/Hz	3/380-400/50/60	3/380-400/50/60	3/380-400/50/60	3/380-400/50/60	3/380-400/50/60	
	Cooling (T1)	Rated power input	kW	6.00	7.28	8.52	10.22	11.66
		Rated current	A	10.13	12.29	14.38	17.25	19.68
	Cooling (T3)	Rated power input	kW	7.02	8.66	9.76	11.45	13.26
		Rated current	A	11.85	14.62	16.48	19.33	22.39
	Cooling	Max power input	kW	16.91	17.65	22.68	24.36	32.30
		Max current	A	25.10	28.40	32.37	36.80	54.53
	Heating	Rated power input	kW	5.85	7.32	8.70	10.57	11.95
		Max power input	kW	11.90	15.60	17.20	19.7	23.80
		Rated current	A	9.88	12.36	14.69	17.84	20.17
		Max current	A	19.00	25.20	27.90	33.26	38.00
	EER		4.20	3.85	3.93	3.91	3.86	
	COP		4.62	4.58	4.34	4.26	4.18	
	Performance	Air flow (H)	m³/h	C: 15000/H: 13200	C: 15000/H: 13200	C: 15000/H: 13200	C: 15600/H: 14400	C: 16200/H: 15000
Sound pressure level (H)		dB(A)	57	57	57	58	59	
Sound power level (H)		dB(A)	73	73	73	74	76	
Installation	External dimensions (W/D/H)	mm	1350×720×1690	1350×720×1690	1350×720×1690	1350×720×1690	1350×720×2048	
	Shipping dimensions (W/D/H)	mm	1450×826×1885	1450×826×1885	1450×826×1885	1450×826×1885	1450×826×2225	
	Net/Shipping weight	kg	269/305	269/305	275/311	323/359	380/426	
	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	1INV	1INV	2INV	2INV	
	Refrigerant type		R410A	R410A	R410A	R410A	R410A	
	Refrigerant charge	kg	9.7	9.7	10	10	10	
	Refrigerant liquid pipe	mm	9.52	12.7	12.7	12.7	15.88	
	Refrigerant gas pipe	mm	22.22	25.4	28.58	28.58	28.58	
	Oil equalization pipe	mm	9.52	9.52	9.52	9.52	9.52	
	Max.total pipe length	m	1000	1000	1000	1000	1000	
	Max. pipelength(Equivalent/Actual)	m	190/165	190/165	190/165	190/165	190/165	
	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	82	82	82	82	82	
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(DB)	°C	(-5-52)					
	Heating(WB)	°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.

- Single Module: 8/10/12/14HP,16/18/20HP
- Combination Module: 22~60HP, 2~3 modules
- Full DC INVERTER technology
- Max.1000m total pipe length, Max.110m height drop
- Compatible with all the MRV indoor units.

Model			AV18IMMEUB	AV20IMMEUB	AV22IMMEUB	AV24IMMEUB	AV26IMMEUB	
Combination model			/	/	AV10IMMEUB	AV10IMMEUB	AV12IMMEUB	
			/	/	AV12IMMEUB	AV14IMMEUB	AV14IMMEUB	
			/	/	/	/	/	
Capacity	Capacity range	HP	18	20	22	24	26	
	Cooling (T1)	kW	50.4	56	61.5	68	73.5	
	Cooling (T3)	kW	42.8	44.8	53.7	58.0	61.3	
	Heating	kW	58.5	63	71.3	78.5	82.8	
Electrical parameters	Power supply	Ph/V/Hz	3/380-400/50/60	3/380-400/50/60	3/380-400/50/60	3/380-400/50/60	3/380-400/50/60	
	Cooling (T1)	Rated power input	kW	13.25	15.20	15.80	17.50	18.74
		Rated current	A	22.37	25.66	26.67	29.54	31.64
	Cooling (T3)	Rated power input	kW	15.25	16.96	18.42	20.11	21.21
		Rated current	A	25.75	28.63	31.10	33.95	35.81
	Cooling	Max power input	kW	35.24	37.47	40.33	42.01	47.04
		Max current	A	56.60	60.50	60.77	65.20	69.17
	Heating	Rated power input	kW	14.05	15.40	16.02	17.89	19.27
		Max power input	kW	25.20	28.62	32.80	35.30	36.90
		Rated current	A	23.72	26.00	27.05	30.20	32.53
		Max current	A	42.30	47.40	53.10	58.46	61.16
	EER		3.80	3.68	3.89	3.89	3.92	
	COP		4.16	4.09	4.45	4.39	4.30	
Performance	Air flow (H)	m³/h	C: 16200/H: 15000	C: 16200/H: 15000	(C: 15000/H: 13200)*2	(C: 15000/H: 13200) +(C: 15600/H: 14400)	(C: 15000/H: 13200) +(C: 15600/H: 14400)	
	Sound pressure level (H)	dB(A)	60	61	60	60.5	60.5	
	Sound power level (H)	dB(A)	77	78	77	78	78	
Installation	External dimensions (W/D/H)	mm	1350×720×2048	1350×720×2048	(1350×720×1690)*2	(1350×720×1690)*2	(1350×720×1690)*2	
	Shipping dimensions (W/D/H)	mm	1450×826×2225	1450×826×2225	(1450×826×1885)*2	(1450×826×1885)*2	(1450×826×1885)*2	
	Net/Shipping weight	kg	380/426	380/426	269/305+275/311	269/305+323/359	275/311+323/359	
	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	1INV+1INV	1INV+2INV	1INV+2INV	
	Refrigerant type		R410A	R410A	R410A	R410A	R410A	
	Refrigerant charge	kg	10	10	9.7+9.7	9.7+10	10+10	
	Refrigerant liquid pipe	mm	15.88	15.88	19.05	19.05	19.05	
	Refrigerant gas pipe	mm	28.58	28.58	31.8	31.8	31.8	
	Oil equalization pipe	mm	9.52	9.52	9.52	9.52	9.52	
	Max.total pipe length	m	1000	1000	1000	1000	1000	
	Max. pipe length(Equivalent/Actual)	m	190/165	190/165	190/165	190/165	190/165	
	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	82	82	82	82	82	
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(DB)	°C	(-5-52)				(-5-52)	
	Heating(WB)	°C	(-23-21)				(-23-18)	

Standard drop between I.U. \*4 Standard design and production in the factory.

\* All the specifications are tested under nominal condition(in cooling T1, indoor temp. is 27°C DB/19°C WB;Outdoor temp 35°C DB/24WB;in cooling T3, indoor temp. is 27°C DB/19°C WB;Outdoor temp 46°C DB/24WB;in heating, indoor temp.is 20°C DB,in heating, outdoor temp.is 7°C DB/6°CWB)



MRV IV T3 3/380~400/50(60)



AV08NMMEUA  
AV10NMMEUA  
AV12NMMEUA  
AV14NMMEUA  
AV16NMMEUA

8/10/12/14/16HP



AV18NMMEUA  
AV20NMMEUA  
AV22NMMEUA  
AV24NMMEUA

18/20/22/24HP

Model			AV28IMMEUB	AV30IMMEUB	AV32IMMEUB	AV34IMMEUB	AV36IMMEUB	
Combination model			AV14IMMEUB	AV14IMMEUB	AV14IMMEUB	AV16IMMEUB	AV18IMMEUB	
			AV14IMMEUB	AV16IMMEUB	AV18IMMEUB	AV18IMMEUB	AV18IMMEUB	
			/	/	/	/	/	
Capacity	Capacity range	HP	28	30	32	34	36	
	Cooling (T1)	kW	80	85	90.4	95.4	100.8	
	Cooling (T3)	kW	65.6	72.4	75.6	82.4	85.6	
	Heating	kW	90	95	103.5	108.5	117	
Electrical parameters	Power supply	Ph/V/Hz	3/380-400/50/60	3/380-400/50/60	3/380-400/50/60	3/380-400/50/60	3/380-400/50/60	
	Cooling (T1)	Rated power input	kW	20.44	21.88	23.47	24.91	26.50
		Rated current	A	34.51	36.94	39.62	42.05	44.74
	Cooling (T3)	Rated power input	kW	22.90	24.71	26.70	28.51	30.50
		Rated current	A	38.66	41.72	45.08	48.13	51.49
	Cooling	Max power input	kW	48.72	56.66	59.60	67.54	70.48
		Max current	A	73.60	91.33	93.40	111.13	113.20
	Heating	Rated power input	kW	21.14	22.52	24.62	26.00	28.10
		Max power input	kW	39.40	43.50	44.90	49.00	50.40
		Rated current	A	35.69	38.02	41.56	43.89	47.44
		Max current	A	66.52	71.26	75.56	80.30	84.60
	EER		3.91	3.88	3.85	3.83	3.80	
	COP		4.26	4.22	4.20	4.17	4.16	
Performance	Air flow (H)	m³/h	(C: 15600/H: 14400)*2	(C: 16200/H: 15000) +(C: 15600/H: 14400)	(C: 16200/H: 15000) +(C: 15600/H: 14400)	(C: 16200/H: 15000)*2	(C: 16200/H: 15000)*2	
	Sound pressure level (H)	dB(A)	61	61.5	62	62.5	63	
	Sound power level (H)	dB(A)	78	79	79	80	80	
Installation	External dimensions (W/D/H)	mm	1350×720×1690 +1350×720×2048	1350×720×1690 +1350×720×2048	1350×720×1690 +1350×720×2048	(1350×720×2048)*2	(1350×720×2048)*2	
	Shipping dimensions (W/D/H)	mm	(1450×826×1885)*2	1450×826×1885 +1450×826×2225	1450×826×1885 +1450×826×2225	((1450×826×2225)*2	(1450×826×2225)*2	
	Net/Shipping weight	kg	323/359+323/359	323/359+380/426	323/359+380/426	380/426+380/426	380/426+380/426	
	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*2	2INV*2	2INV*2	2INV*2	2INV*2	
	Refrigerant type		R410A	R410A	R410A	R410A	R410A	
	Refrigerant charge	kg	10+10	10+10	10+10	10+10	10+10	
	Refrigerant liquid pipe	mm	19.05	19.05	19.05	19.05	19.05	
	Refrigerant gas pipe	mm	31.8	38.1	38.1	38.1	38.1	
	Oil equalization pipe	mm	9.52	9.52	9.52	9.52	9.52	
	Max.total pipe length	m	1000	1000	1000	1000	1000	
	Max. pipelength(Equivalent/Actual)	m	190/165	190/165	190/165	190/165	190/165	
	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	82	82	82	82	82	
	Connection ratio	Connectable indoor unit ratio	%	50-130	50-130	50-130	50-130	50-130
		Maximum number of indoor units		46	50	53	57	60
Working temp.	Cooling(DB)	°C	(-5-52)					
	Heating(WB)	°C	(-23-18)					

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.

- Single Module: 8/10/12/14HP,16/18/20HP
- Combination Module: 22-60HP, 2-3 modules
- Full DC INVERTER technology
- Max.1000m total pipe length, Max.110m height drop
- Compatible with all the MRV indoor units.

Model			AV38IMMEUB	AV40IMMEUB	AV42IMMEUB	AV44IMMEUB	AV46IMMEUB	
Combination model			AV18IMMEUB	AV20IMMEUB	AV14IMMEUB	AV14IMMEUB	AV14IMMEUB	
			AV20IMMEUB	AV20IMMEUB	AV14IMMEUB	AV14IMMEUB	AV14IMMEUB	
			/	/	AV14IMMEUB	AV16IMMEUB	AV18IMMEUB	
Capacity	Capacity range	HP	38	40	42	44	46	
	Cooling (T1)	kW	106.4	112	120	125	130.4	
	Cooling (T3)	kW	87.6	89.6	98.4	105.2	108.4	
	Heating	kW	121.5	126	135	140	148.5	
Electrical parameters	Power supply	Ph/V/Hz	3/380-400/50/60	3/380-400/50/60	3/380-400/50/60	3/380-400/50/60	3/380-400/50/60	
	Cooling (T1)	Rated power input	kW	28.45	30.40	30.66	32.10	33.30
		Rated current	A	48.03	51.32	51.76	55.20	56.22
	Cooling (T3)	Rated power input	kW	32.21	33.92	34.35	37.07	38.53
		Rated current	A	54.38	57.26	57.99	62.58	65.05
	Cooling	Max power input	kW	72.71	74.94	73.08	79.48	82.34
		Max current	A	117.10	121.00	110.40	125.70	125.97
	Heating	Rated power input	kW	29.45	30.80	31.71	33.29	33.91
		Max power input	kW	53.82	57.24	59.10	63.92	68.10
		Rated current	A	49.72	52.00	53.53	56.20	57.25
		Max current	A	89.70	94.80	99.77	105.86	111.56
	EER		3.74	3.68	3.91	3.89	3.92	
	COP		4.13	4.09	4.26	4.21	4.38	
Performance	Air flow (H)	m³/h	(C: 16200/H: 15000)*2	(C: 16200/H: 15000)*2	(C: 15600/H: 14400)*3	(C: 15600/H: 14400)*2 +(C: 16200/H: 15000)	(C: 15600/H: 14400)*2 +(C: 16200/H: 15000)	
	Sound pressure level (H)	dB(A)	63.5	65	63	63	63.5	
	Sound power level (H)	dB(A)	81	83	81	81	82	
Installation	External dimensions (W/D/H)	mm	(1350×720×2048)*2	(1350×720×2048)*2	1350×720×2048+ (1350×720×1690)*3	1350×720×2048+ (1350×720×1690)*2	1350×720×2048+ (1350×720×1690)*2	
	Shipping dimensions (W/D/H)	mm	(1450×826×2225)*2	(1450×826×2225)*2	(1450×826×1885)*3	1450×826×2225+ (1450×826×1885)*2	1450×826×2225+ (1450×826×1885)*2	
	Net/Shipping weight	kg	380/426+380/426	380/426+380/426	323/359+323/359+323/359	323/359+323/359+380/426	323/359+323/359+380/426	
	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*2	2INV*2	2INV*3	2INV*3	2INV*3	
	Refrigerant type		R410A	R410A	R410A	R410A	R410A	
	Refrigerant charge	kg	10+10	10+10	10+10+10	10+10+10	10+10+10	
	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	41.3	
	Oil equalization pipe	mm	9.52	9.52	9.52	9.52	9.52	
	Max.total pipe length	m	1000	1000	1000	1000	1000	
	Max. pipe length(Equivalent/Actual)	m	190/165	190/165	190/165	190/165	190/165	
	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	82	82	82	82	82	
	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(DB)	°C	(-5-52)					
	Heating(WB)	°C	(-23-18)					

Standard drop between I.U. \*4 Standard design and production in the factory.

\* All the specifications are tested under nominal condition(in cooling T1, indoor temp. is 27°C DB/19°C WB;Outdoor temp 35°C DB/24WB;in cooling T3, indoor temp. is 27°C DB/19°C WB;Outdoor temp 46°C DB/24WB;in heating, indoor temp.is 20°C DB,in heating, outdoor temp.is 7°C DB/6°CWB)

MRV IV T3 3/380~400/50(60)



AV08NMMEUA  
AV10NMMEUA  
AV12NMMEUA  
AV14NMMEUA  
AV16NMMEUA

8/10/12/14/16HP



AV18NMMEUA  
AV20NMMEUA  
AV22NMMEUA  
AV24NMMEUA

18/20/22/24HP

Model			AV48IMMEUB	AV50IMMEUB	AV52IMMEUB	AV54IMMEUB
Combination model			AV14IMMEUB	AV14IMMEUB	AV16IMMEUB	AV18IMMEUB
			AV16IMMEUB	AV18IMMEUB	AV18IMMEUB	AV18IMMEUB
			AV18IMMEUB	AV18IMMEUB	AV18IMMEUB	AV18IMMEUB
Capacity	Capacity range	HP	48	50	52	54
	Cooling (T1)	kW	135.4	140.8	145.8	151.2
	Cooling (T3)	kW	115.2	118.4	125.2	128.4
	Heating	kW	153.5	162	167	175.5
Electrical parameters	Power supply	Ph/V/Hz	3/380~400/50/60	3/380~400/50/60	3/380~400/50/60	3/380~400/50/60
	Cooling (T1)	Rated power input	kW	35.13	36.72	38.16
		Rated current	A	59.31	61.99	64.42
	Cooling (T3)	Rated power input	kW	39.96	41.95	43.76
		Rated current	A	67.46	70.82	73.88
	Cooling	Max power input	kW	91.90	94.84	102.78
		Max current	A	147.93	150.00	167.73
	Heating	Rated power input	kW	36.57	38.67	40.05
		Max power input	kW	68.70	70.10	75.60
		Rated current	A	61.74	65.28	71.16
		Max current	A	113.56	117.86	126.90
	EER		3.85	3.83	3.82	3.80
	COP		4.20	4.19	4.17	4.16
Performance	Air flow (H)	m³/h	(C: 15600/H: 14400)+ (C: 16200/H: 15000)*2	(C: 15600/H: 14400)+ (C: 16200/H: 15000)*2	(C: 16200/H: 15000)*3	(C: 16200/H: 15000)*3
	Sound pressure level (H)	dB(A)	64	64	64.5	65
	Sound power level (H)	dB(A)	82	82	83	83
Installation	External dimensions (W/D/H)	mm	(1350×720×2048)*2 +1350×720×1690	(1350×720×2048)*2 +1350×720×1690	(1350×720×2048)*3	(1350×720×2048)*3
	Shipping dimensions (W/D/H)	mm	1450×826×1885+ (1450×826×2225)*2	1450×826×1885+ (1450×826×2225)*2	(1450×826×2225)*3	(1450×826×2225)*3
	Net/Shipping weight	kg	323/359+380/426+380/426	323/359+380/426+380/426	380/426+380/426+380/426	380/426+380/426+380/426
	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		2INV*3	2INV*3	2INV*3	2INV*3
	Refrigerant type		R410A	R410A	R410A	R410A
	Refrigerant charge	kg	10+10+10	10+10+10	10+10+10	10+10+10
	Refrigerant liquid pipe	mm	19.05	19.05	19.05	19.05
	Refrigerant gas pipe	mm	41.3	41.3	41.3	41.3
	Oil equalization pipe	mm	9.52	9.52	9.52	9.52
	Max.total pipe length	m	1000	1000	1000	1000
	Max. pipe length(Equivalent/Actual)	m	190/165	190/165	190/165	190/165
	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	82	82	82	82
	Connectable indoor unit ratio	%	50~130	50~130	50~130	50~130
Connection ratio	Maximum number of indoor units		64	64	64	64
Working temp.	Cooling(DB)	°C	(-5~52)			
	Heating(WB)	°C	(-23~18)			

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.

- Single Module: 8/10/12/14HP,16/18/20HP
- Combination Module: 22~60HP, 2~3 modules
- Full DC INVERTER technology
- Max.1000m total pipe length, Max.110m height drop
- Compatible with all the MRV indoor units.
















Model			AV56IMMEUB	AV58IMMEUB	AV60IMMEUB
Combination model			AV18IMMEUB	AV18IMMEUB	AV20IMMEUB
			AV18IMMEUB	AV20IMMEUB	AV20IMMEUB
			AV20IMMEUB	AV20IMMEUB	AV20IMMEUB
Capacity	Capacity range	HP	56	58	60
	Cooling (T1)	kW	156.8	162.4	168
	Cooling (T3)	kW	130.4	132.4	134.4
	Heating	kW	180	184.5	189
Electrical parameters	Power supply	Ph/V/Hz	3/380~400/50/60	3/380~400/50/60	3/380~400/50/60
	Cooling (T1)	Rated power input	kW	41.70	43.65
		Rated current	A	70.40	76.98
	Cooling (T3)	Rated power input	kW	47.46	49.17
		Rated current	A	80.12	83.01
	Cooling	Max power input	kW	107.95	110.18
		Max current	A	173.70	177.60
	Heating	Rated power input	kW	43.50	44.85
		Max power input	kW	79.02	82.44
		Rated current	A	73.44	75.72
		Max current	A	132.00	137.10
	EER		3.76	3.72	3.68
	COP		4.14	4.11	4.09
Performance	Air flow (H)	m³/h	(C: 16200/H: 15000)*3	(C: 16200/H: 15000)*3	(C: 16200/H: 15000)*3
	Sound pressure level (H)	dB(A)	65	65.5	66
	Sound power level (H)	dB(A)	83	84	84
Installation	External dimensions (W/D/H)	mm	(1350×720×2048)*3	(1350×720×2048)*3	(1350×720×2048)*3
	Shipping dimensions (W/D/H)	mm	(1450×826×2225)*3	(1450×826×2225)*3	(1450×826×2225)*3
	Net/Shipping weight	kg	380/426+380/426+380/426	380/426+380/426+380/426	380/426+380/426+380/426
	Compressor type		DC INV. SCROLL	DC INV. SCROLL	DC INV. SCROLL
	Compressor brand		MITSUBISHI ELECTRIC	MITSUBISHI ELECTRIC	MITSUBISHI ELECTRIC
	Compressor quantity		2INV*3	2INV*3	2INV*3
	Refrigerant type		R410A	R410A	R410A
	Refrigerant charge	kg	10+10+10	10+10+10	10+10+10
	Refrigerant liquid pipe	mm	22.22	22.22	22.22
	Refrigerant gas pipe	mm	44.5	44.5	44.5
	Oil equalization pipe	mm	9.52	9.52	9.52
	Max.total pipe length	m	1000	1000	1000
	Max. pipe length(Equivalent/Actual)	m	190/165	190/165	190/165
	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	82	82	82
	Connectable indoor unit ratio	%	50~130	50~130	50~130
Connection ratio	Maximum number of indoor units		64	64	64
Working temp.	Cooling(DB)	°C	(-5~52)		
	Heating(WB)	°C	(-23~18)		











































Standard drop between I.U. \*4 Standard design and production in the factory.

\* All the specifications are tested under nominal condition(in cooling T1, indoor temp. is 27°C DB/19°C WB;Outdoor temp 35°C DB/24WB;in cooling T3, indoor temp. is 27°C DB/19°C WB;Outdoor temp 46°C DB/24WB;in heating, indoor temp.is 20°C DB,in heating, outdoor temp.is 7°C DB/6°CWB)













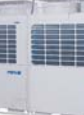























































PRODUCT LINE-UP

(Outdoor Units)

Series	HP	8	10	12	14	16	18	20	22	24	26	28	30	32	34	36	38	40	42	44	46	48					50	52	54	56	58	60	62	64	66	68	70	72	74	76	78	80	82	84	86	88	90	92	94	96	98	100	102	104
MRV 5	3/380~415/50 3/380~415/60																																																					
MRV 5-RC	3/380~415/50 3/380~415/60																																																					

Series	HP	8	10	12	14	16	18	20	22	24	26	28	30	32	34	36				38	40	42	44	46	48	50			52			54	56	58	60	62	64	66	68	70	72																
MRV IV (T1)	3/380~400/50 3/380~400/60																																																								
	3/208~230/50 3/208~230/60																																																								
MRV IV (T3)	3/380~400/50 3/380~400/60																																																								













Series	HP	8	10	12	14	16	18	20	22	24	26	28	30	32					34	36	38	40	42	44	46	48	50	52	54	56	58	60	62	64
MRV III <sup>PLUS</sup> (T1)	3/380~400/50 3/380~400/60																																	

Series	HP	8	10	12	14	16	18	20	22	24	26				28	30	32	34	36	38	40	42	44	46	48	
MRV III (T1)	3/208~230/60								 						 			  			  			 		
	3/460/60								 						 			  			  			 		
MRV III (T3)	3/380~400/50 3/380~400/60										 				 			       								
MRV III-RC	3/380~400/50 3/380~400/60 3/208~230/60								 						 			  			  			 		






PRODUCT LINE-UP



(Outdoor Units)

Series	HP	3	4	5	6	7	8	10	12		14	16	18	20	22	24	26	28	30	32	34	36
MRV S'	1/220~240/50 1/220~240/60																					
	3/380~400/50 3/380~400/60																					
MRV S'' (T1)	1/220~240/50 1/220~240/60																					
	3/380~415/50 3/380~415/60																					
	3/380~400/50 3/380~400/60																					
MRV S'' (T3)	1/220~240/50 1/220~240/60																					
	3/380~415/50 3/380~415/60																					
MRV W	3/380~400/50(60) 3/208~230/60																					

EASY MRV

MODEL	MS1-036A	MS1-060A	MS3-036A
Match with indoor	1 by 1	1 by 1	1 by 3
EASY MRV Connection Kit			
Capacity(Btu/h)	≤36K	36K<X≤60K	Every indoor capacity ≤36K
MRV series	MRV 5, MRV IV, MRV III PLUS, MRV III (2-Pipe), MRV S', MRV S' (5/7HP)		

DX AHU Connection Kit

MODEL	AH1-280A	AH1-560A
CAPACITY	14 ≤ x ≤28 kW	28 < x ≤56 kW
		
MRV series	MRV 5, MRV IV, MRV III PLUS, MRV III (2-Pipe), MRV S'' (8/10/12HP)	

PRODUCT LINE-UP

(Indoor Units)

Series	KBTU/h kW		5	7	9	12	16	18	24	28	30	38	42	48	54	72	96
			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															
2- Way Cassette		AB**2MBERA															
MINI 4- Way Cassette		AB**2MCERA(M)															
Round Flow 4-Way Cassette		AB**2MRERA															
4- Way Cassette		AB**2MCERA															
Convertible		AC**2MCERA AC**2MFERA															
Low ESP Slim Duct (0/15/30Pa)		AD**2MSERA(D) AD**2MSERA															
Medium ESP Duct (50/96Pa)		AD**2MMERA															
Medium ESP Duct (50/100Pa) <span>NEW</span>		AD**2MJERA															

# PRODUCT LINE-UP

(Indoor Units)

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