

VRF 5 RC

DC INVERTER

www.ansal.com.ar
0-810-22-26725



- Full DC inverter compressors
- Automatic oil balancing
- Instant cooling and heating



Easy Installation

Vp (valve pipe) box structure overview

Overview

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



Model name	Max. capacity of indoor(kw)	Power Supply	Max. indoor units	Dimension
VP1-112B	≤11.2	1/220-240/50/60	5	388/200/275
VP1-180B	11.2<≤18	1/220-240/50/60	8	388/200/275
VP1-280B	18<≤28	1/220-240/50/60	8	388/200/275
VP4-450B	≤ 45	1/220-240/50/60	20	396/290/411

3/380~415/50/60



Model		AV08IMVURA	AV10IMVURA	AV12IMVURA	AV14IMVURA		
Combination model		/	/	/	/		
		/	/	/	/		
		/	/	/	/		
Capacity	Capacity range	HP	8	10	12	14	
	Cooling	kW	22.4	28	33.5	40	
	Heating	kW	22.4	28	33.5	40	
Electrical parameters	Power supply	Ph/V/Hz	3/380-415/50/60	3/380-415/50/60	3/380-415/50/60	3/380-415/50/60	
	Cooling	Rated power input	kW	5.63	7.67	9.57	12.31
		Max power input	kW	12.80	13.80	18.20	19.20
		Rated current	A	9.29	12.67	15.81	20.33
	Heating	Max current	A	21.14	22.79	30.06	31.71
		Rated power input	kW	5.15	6.67	8.38	10.53
		Max power input	kW	11.50	12.50	17.40	18.40
	SEER	Rated current	A	8.50	11.01	13.85	17.38
		Max current	A	18.99	20.64	28.74	30.39
		SEER		7.05	6.68	6.58	6.37
Performance	SCOP		4.02	3.94	4.08	3.86	
	η _{s,c}	%	279	264	260	252	
	η _{s,h}	%	158	155	160	151	
	Air flow (l/s)	m ³ /h	12000	12000	13500	13500	
	Sound pressure level (H)	dB(A)	57	58	60	61	
Installation	External dimensions(W/D/H)	mm	980/750/1690				
	Shipping dimensions(W/D/H)	mm	1070/850/1858				
	Net/Shipping weight	kg	246/271		257/282		
	Compressor type		DC INV. SCROLL	DC INV. SCROLL	DC INV. SCROLL	DC INV. SCROLL	
	Compressor brand		DC INV. SCROLL	DC INV. SCROLL	DC INV. SCROLL	DC INV. SCROLL	
	Compressor quantity		1INV	1INV	1INV	1INV	
	Refrigerant type		R410A	R410A	R410A	R410A	
	Refrigerant charge	kg	10	10	10	10	
	Refrigerant liquid pipe	mm	9.52	9.52	12.7	12.7	
	Refrigerant gas pipe	mm	19.05	22.22	25.4	25.4	
Refrigerant high gas pipe	mm	19.05	19.05	22.22	22.22		
Connection ratio	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		13	16	20	24	
	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/24°C WB in heating, indoor temp. is 20°C DB in heating, outdoor temp. is 7°C DB/6°C WB

3/380~415/50/60



Model			AV16IMVURA	AV18IMVURA	AV20IMVURA	AV22IMVURA	
Combination model			/	/	/	/	
			/	/	/	/	
			/	/	/	/	
			/	/	/	/	
Capacity	Capacity range	HP	16	18	20	22	
	Cooling	kW	45	50	56	60	
	Heating	kW	45	50	56	60	
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	14.06	16.13	17.23	20.00
		Max power input	kW	25.10	28.50	32.00	33.00
		Rated current	A	23.22	26.64	28.46	33.03
	Heating	Max current	A	41.45	47.07	52.85	54.50
		Rated power input	kW	11.39	13.70	15.78	17.91
		Max power input	kW	22.70	25.50	29.40	30.40
		Rated current	A	18.81	22.62	26.05	29.58
		Max current	A	37.49	42.11	48.55	50.21
	SEER			6.86	6.48	5.90	5.74
	SCOP			4.21	3.99	3.53	3.76
	ηs,c	%		271	233	233	276
	ηs,h	%		165	157	154	147
	Performance	Air flow (H)	m³/h	17000	17000	19000	19000
		Sound pressure level (H)	dB(A)	62	63	63	64
External dimensions(W/D/H)		mm		1410/750/1690			
Shipping dimensions(W/D/H)	mm		1485/850/1858				
Net/Shipping weight	kg		366/395		375/404		
Compressor type			DC INV. SCROLL	DC INV. SCROLL	DC INV. SCROLL	DC INV. SCROLL	
Compressor brand			DAIICHI	MITSUBISHI	MITSUBISHI	MITSUBISHI	
Compressor quantity			2INV	2INV	2INV	2INV	
Refrigerant type			R410A	R410A	R410A	R410A	
Refrigerant charge	kg		10	10	10	10	
Refrigerant liquid pipe	mm		12.7	15.88	15.88	15.88	
Refrigerant gas pipe	mm		28.58	28.58	28.58	28.58	
Refrigerant high gas pipe	mm		25.4	25.4	25.4	25.4	
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		27	30	33	36	
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 based on nominal condition in cooling: indoor temp. is 27°C DB/19°C WB; outdoor temp. 35°C DB/24°C WB; in heating: indoor temp. is 20°C DB in heating, outdoor temp. 7°C DB/6°C WB

Model			AV24IMVURA	AV26IMVURA	AV28IMVURA	AV30IMVURA	
Combination model			AV12IMVURA	AV12IMVURA	AV14IMVURA	AV14IMVURA	
			AV12IMVURA	AV14IMVURA	AV14IMVURA	AV16IMVURA	
			/	/	/	/	
			/	/	/	/	
Capacity	Capacity range	HP	24	26	28	30	
	Cooling	kW	67.0	73.5	80.0	85.0	
	Heating	kW	67.0	73.5	80.0	85.0	
Electrical parameters	Power supply	Ph/V/Hz	3/380-415/50/60	3/380-415/50/60	3/380-415/50/60	3/380-415/50/60	
	Cooling	Rated power input	kW	19.14	21.88	24.62	26.37
		Max power input	kW	36.40	37.40	39.40	44.30
		Rated current	A	31.61	36.13	40.65	43.55
	Heating	Max current	A	60.115	61.77	63.42	73.16
		Rated power input	kW	16.75	18.90	21.05	21.92
		Max power input	kW	34.80	35.80	36.80	41.10
		Rated current	A	27.66	31.22	34.77	36.20
		Max current	A	57.472	59.12	60.78	67.88
	SEER			6.58	6.46	6.37	6.61
	SCOP			4.08	3.94	3.86	4.02
	ηs,c	%		260	255	252	261
	ηs,h	%		150	155	151	158
	Performance	Air flow (H)	m³/h	27000	27000	27000	30500
		Sound pressure level (H)	dB(A)	63.0	64.0	64.0	64.5
External dimensions(W/D/H)		mm		980/750/1690-980/750/1690		980/750/1690-1410/750/1690	
Shipping dimensions(W/D/H)	mm		1070/850/1858-1070/850/1858		1070/850/1858-1485/850/1858		
Net/Shipping weight	kg		246/271+246/271		246/271+366/395		
Compressor type			DC INV. SCROLL	DC INV. SCROLL	DC INV. SCROLL	DC INV. SCROLL	
Compressor brand			MITSUBISHI	MITSUBISHI	MITSUBISHI	MITSUBISHI	
Compressor quantity			2INV	2INV	2INV	3INV	
Refrigerant type			R410A	R410A	R410A	R410A	
Refrigerant charge	kg		20	20	20	20	
Refrigerant liquid pipe	mm		15.88	15.88	15.88	19.05	
Refrigerant gas pipe	mm		28.58	28.58	28.58	31.8	
Refrigerant high gas pipe	mm		25.4	25.4	25.4	25.4	
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		40	43	47	50	
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 based on nominal condition in cooling: indoor temp. is 27°C DB/19°C WB; outdoor temp. 35°C DB/24°C WB; in heating: indoor temp. is 20°C DB in heating, outdoor temp. 7°C DB/6°C WB

3/380~415/50/60

Model			AV32IMVURA	AV34IMVURA	AV36IMVURA	AV38IMVURA	
			AV16IMVURA	AV16IMVURA	AV18IMVURA	AV18IMVURA	
Combination model							
		/	/	/	/	/	
Capacity	Capacity range	HP	32	34	36	38	
	Cooling	kW	90.0	95.0	100.0	106.0	
	Heating	kW	90.0	95.0	100.0	106.0	
Electrical parameters	Power supply	Ph/V/Hz	3/380-415/50/60	3/380-415/50/60	3/380-415/50/60	3/380-415/50/60	
	Cooling	Rated power input	kW	28.13	30.19	32.26	33.36
		Max power input	kW	50.20	53.60	57.00	60.50
		Rated current	A	46.45	49.86	53.27	55.09
	Heating	Max current	A	82.91	88.52	94.14	99.92
		Rated power input	kW	22.78	25.09	27.40	29.47
		Max power input	kW	45.40	48.20	51.00	54.90
		Rated current	A	37.63	41.44	43.25	45.68
		Max current	A	74.98	79.60	84.23	90.67
	SEER			6.86	6.64	6.48	6.15
	SCOP			4.21	4.08	3.99	3.96
	fs,c	%		264	256	256	265
	fs,h	%		165	160	157	155
	Performance	Air flow (H)	m³/h	34000	34000	34000	36000
		Sound pressure level (H)	dB(A)	65.0	65.5	66.0	66.0
External dimensions(W/D/H)		mm	1410/750/1690+1410/750/1690				
Shipping dimensions(W/D/H)		mm	1485/850/1858+1485/850/1858				
Net/Shipping weight		kg	366/395+366/395			366/395+375/404	
Compressor type			DC INV. SCROLL	DC INV. SCROLL	DC INV. SCROLL	DC INV. SCROLL	
Compressor brand			MITSUBISHI	MITSUBISHI	MITSUBISHI	MITSUBISHI	
Compressor quantity			4INV	4INV	4INV	4INV	
Refrigerant type			R410A	R410A	R410A	R410A	
Refrigerant charge		kg	20	20	20	20	
Installation	Refrigerant liquid pipe	mm	19.05	19.05	19.05	19.05	
	Refrigerant gas pipe	mm	31.8	31.8	38.1	38.1	
	Refrigerant high gas pipe	mm	28.58	28.58	34.9	34.9	
	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		53	56	59	63
Working temp.	Cooling	°C	-5~50				
	Heating	°C	-23~21				

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

Model			AV40IMVURA	AV42IMVURA	AV44IMVURA	AV46IMVURA	
			AV20IMVURA	AV20IMVURA	AV22IMVURA	AV14IMVURA	
Combination model							
		/	/	/	/	/	
Capacity	Capacity range	HP	40	42	44	46	
	Cooling	kW	112.0	116.0	120.0	130.0	
	Heating	kW	112.0	116.0	120.0	130.0	
Electrical parameters	Power supply	Ph/V/Hz	3/380-415/50/60	3/380-415/50/60	3/380-415/50/60	3/380-415/50/60	
	Cooling	Rated power input	kW	34.46	37.23	40.00	40.45
		Max power input	kW	64.00	65.00	66.00	69.40
		Rated current	A	56.91	61.49	66.06	66.77
	Heating	Max current	A	105.70	107.35	109.00	114.61
		Rated power input	kW	31.55	33.69	35.82	33.31
		Max power input	kW	58.80	59.80	60.80	63.80
		Rated current	A	52.11	55.63	59.16	55.01
		Max current	A	97.11	98.76	100.41	105.37
	SEER			5.90	5.81	5.74	6.70
	SCOP			3.99	3.83	3.76	4.08
	fs,c	%		233	229	227	265
	fs,h	%		154	150	147	160
	Performance	Air flow (H)	m³/h	38000	38000	38000	47500
		Sound pressure level (H)	dB(A)	66.0	66.5	67.0	66.5
External dimensions(W/D/H)		mm	1410/750/1690+1410/750/1690				
Shipping dimensions(W/D/H)		mm	1485/850/1858+1485/850/1858				
Net/Shipping weight		kg	375/404+375/404			257/282+366/395+366/395	
Compressor type			DC INV. SCROLL	DC INV. SCROLL	DC INV. SCROLL	DC INV. SCROLL	
Compressor brand			MITSUBISHI	MITSUBISHI	MITSUBISHI	MITSUBISHI	
Compressor quantity			4INV	4INV	4INV	5INV	
Refrigerant type			R410A	R410A	R410A	R410A	
Refrigerant charge		kg	20	20	20	30	
Installation	Refrigerant liquid pipe	mm	19.05	19.05	19.05	19.05	
	Refrigerant gas pipe	mm	38.1	38.1	38.1	38.1	
	Refrigerant high gas pipe	mm	34.9	34.9	34.9	34.9	
	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
*All the specifications are based on nominal condition in cooling, indoor temp. is 27°C DB/19°C WB, outdoor temp. 35°C DB/24°C WB in heating, indoor temp. is 20°C DB in heating, outdoor temp. 7°C DB/4°C WB

3/380~415/50/60

Model			AV48IMVURA	AV50IMVURA	AV52IMVURA	AV54IMVURA	
Combination model			AV16IMVURA	AV16IMVURA	AV16IMVURA	AV18IMVURA	
			AV16IMVURA	AV16IMVURA	AV18IMVURA	AV18IMVURA	
			AV16IMVURA	AV18IMVURA	AV18IMVURA	AV18IMVURA	
Capacity	Capacity range	HP	/	/	/	/	
	Cooling	kW	48	50	52	54	
	Heating	kW	135.0	140.0	145.0	150.0	
Electrical parameters	Power supply	Ph/V/Hz	3/380-415/50/60	3/380-415/50/60	3/380-415/50/60	3/380-415/50/60	
	Cooling	Rated power input	kW	42.19	44.25	46.32	48.39
		Max power input	kW	75.30	78.70	82.10	85.50
		Rated current	A	69.67	73.09	76.50	79.91
	Heating	Max current	A	124.36	129.97	135.59	141.20
		Rated power input	kW	34.18	36.48	38.79	41.10
		Max power input	kW	68.10	70.90	73.70	76.50
		Rated current	A	56.44	60.25	64.06	67.87
		Max current	A	112.47	117.09	121.72	126.34
		SEER		6.86	6.70	6.58	6.48
		SCOP		3.95	4.12	4.05	3.99
		IEC	%	271	265	260	255
		IEC	%	165	162	159	157
	Performance	Air flow (H)	m ³ /h	51000	51000	51000	51000
		Sound pressure level (H)	dB(A)	66.8	67.1	67.5	67.8
External dimensions(W/D/H)		mm	1410/750/1690+1410/750/1690+1410/750/1690				
Shipping dimensions(W/D/H)	mm	1485/850/1858+1485/850/1858+1485/850/1858					
Net/Shipping weight	kg	366/395+366/395+366/395					
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	19.05	19.05	19.05	19.05		
Refrigerant gas pipe	mm	38.1	38.1	38.1	38.1		
Refrigerant high gas pipe	mm	34.9	34.9	34.9	34.9		
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 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. is 35°C DB/24WB in heating, indoor temp. is 20°C DB in heating, outdoor temp. is 7°C DB/6°C WB

Model			AV56IMVURA	AV58IMVURA	AV60IMVURA	
Combination model			AV18IMVURA	AV18IMVURA	AV20IMVURA	
			AV18IMVURA	AV20IMVURA	AV20IMVURA	
			AV20IMVURA	AV20IMVURA	AV20IMVURA	
Capacity	Capacity range	HP	/	/	/	
	Cooling	kW	56	58	60	
	Heating	kW	156.0	162.0	168.0	
Electrical parameters	Power supply	Ph/V/Hz	3/380-415/50/60	3/380-415/50/60	3/380-415/50/60	
	Cooling	Rated power input	kW	49.49	50.59	51.69
		Max power input	kW	89.00	92.50	96.00
		Rated current	A	81.73	83.55	85.37
	Heating	Max current	A	146.98	152.76	158.54
		Rated power input	kW	43.17	45.25	47.33
		Max power input	kW	80.40	84.30	88.20
		Rated current	A	71.30	74.73	78.16
		Max current	A	132.78	139.22	145.66
		SEER		6.25	6.06	5.90
		SCOP		3.97	3.95	3.93
		IEC	%	247	239	233
		IEC	%	156	155	154
	Performance	Air flow (H)	m ³ /h	53000	55000	57000
		Sound pressure level (H)	dB(A)	67.8	67.8	67.8
External dimensions(W/D/H)		mm	1410/750/1690+1410/750/1690+1410/750/1690			
Shipping dimensions(W/D/H)	mm	1485/850/1858+1485/850/1858+1485/850/1858				
Net/Shipping weight	kg	366/395+366/395+375/404	366/395+375/404+375/404	375/404+375/404+375/404		
Compressor type		DC INV. SCROLL	DC INV. SCROLL	DC INV. SCROLL		
Compressor brand		MITSUBISHI	MITSUBISHI	MITSUBISHI		
Compressor quantity		6INV	6INV	6INV		
Refrigerant type		R410A	R410A	R410A		
Refrigerant charge	kg	30	30	30		
Refrigerant liquid pipe	mm	19.05	19.05	19.05		
Refrigerant gas pipe	mm	38.1	38.1	38.1		
Refrigerant high gas pipe	mm	34.9	34.9	34.9		
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 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. is 35°C DB/24WB in heating, indoor temp. is 20°C DB in heating, outdoor temp. is 7°C DB/6°C WB

3/380~415/50/60

Model	Combination model		AV62IMVURA	AV64IMVURA	AV66IMVURA	
			AV20IMVURA	AV20IMVURA	AV22IMVURA	
Capacity	Capacity range	HP	/	/	/	
	Cooling	kW	172.0	176.0	180.0	
	Heating	kW	172.0	176.0	180.0	
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	54.46	57.23	60.00
		Max power input	kW	97.00	98.00	99.00
		Rated current	A	89.94	94.52	99.09
	Heating	Max current	A	160.20	163.50	166.50
		Rated power input	kW	49.46	51.60	53.73
		Max power input	kW	89.20	90.20	91.20
		Rated current	A	81.68	85.24	88.74
		Max current	A	147.31	149.97	150.62
	SEER			5.84	5.79	5.74
	SCOP			3.86	3.81	3.76
	fs,c	%		231	229	227
	fs,h	%		151	149	147
	Performance	Air flow (H)	m ³ /h	57000	57000	57000
		Sound pressure level (H)	dB(A)	68.1	68.5	68.8
Installation	External dimensions(W/D/H)	mm	1410/750/1690+1410/750/1690+1410/750/1690			
	Shipping dimensions(W/D/H)	mm	1485/850/1858+1485/850/1858+1485/850/1858			
	Net/Shipping weight	kg	375/404+375/404+375/404			
	Compressor type		DC INV. SCROLL	DC INV. SCROLL	DC INV. SCROLL	
	Compressor brand		MITSUBISHI	MITSUBISHI	MITSUBISHI	
	Compressor quantity		6INV	6INV	6INV	
	Refrigerant type		R410A	R410A	R410A	
	Refrigerant charge	kg	30	30	30	
	Refrigerant liquid pipe	mm	19.05	19.05	19.05	
	Refrigerant gas pipe	mm	41.3	41.3	41.3	
	Refrigerant high gas pipe	mm	38.1	38.1	38.1	
	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	-5~50	-5~50	
	Heating	°C	-23~21	-23~21	-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 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	Combination model		AV68IMVURA	AV70IMVURA	AV72IMVURA	
			AV16IMVURA	AV16IMVURA	AV18IMVURA	
Capacity	Capacity range	HP	68	70	72	
	Cooling	kW	190.0	195.0	200.0	
	Heating	kW	190.0	195.0	200.0	
Electrical parameters	Power supply	Ph/V/Hz	3/380-415/50/60	3/380-415/50/60	3/380-415/50/60	
	Cooling	Rated power input	kW	60.38	62.45	64.52
		Max power input	kW	107.20	110.60	114.00
		Rated current	A	99.72	103.14	106.55
	Heating	Max current	A	177.04	182.66	188.27
		Rated power input	kW	50.18	52.49	54.79
		Max power input	kW	96.40	99.20	102.00
		Rated current	A	82.88	86.68	90.49
		Max current	A	159.21	163.83	168.45
	SEER			6.64	6.55	6.48
	SCOP			4.08	4.04	3.99
	fs,c	%		263	259	256
	fs,h	%		160	159	157
	Performance	Air flow (H)	m ³ /h	68000	68000	68000
		Sound pressure level (H)	dB(A)	68.5	68.8	69.0
Installation	External dimensions(W/D/H)	mm	1410/750/1690+1410/750/1690+1410/750/1690+1410/750/1690			
	Shipping dimensions(W/D/H)	mm	1485/850/1858+1485/850/1858+1485/850/1858+1485/850/1858			
	Net/Shipping weight	kg	366/395+366/395+366/395+366/395			
	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	22.2	22.2	22.2	
	Refrigerant gas pipe	mm	44.5	44.5	44.5	
	Refrigerant high gas pipe	mm	41.3	41.3	41.3	
	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	-5~50	-5~50	
	Heating	°C	-23~21	-23~21	-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 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			AV74IMVURA	AV76IMVURA	AV78IMVURA	
Capacity	Combination model		AV18IMVURA	AV18IMVURA	AV18IMVURA	
			AV18IMVURA	AV20IMVURA	AV20IMVURA	
			AV18IMVURA	AV20IMVURA	AV20IMVURA	
			AV20IMVURA	AV20IMVURA	AV20IMVURA	
Capacity	Capacity range	HP	74	76	78	
	Cooling	kW	206.0	212.0	218.0	
	Heating	kW	206.0	212.0	218.0	
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	65.62	66.72	67.82
		Max power input	kW	117.50	121.00	124.50
		Rated current	A	108.37	110.19	112.01
	Heating	Max current	A	194.05	198.83	205.61
		Rated power input	kW	56.87	58.95	61.02
		Max power input	kW	105.90	109.80	113.70
		Rated current	A	93.92	97.35	100.78
		Max current	A	174.89	181.34	187.78
	SEER			6.30	6.15	6.02
	SCOP			3.98	3.96	3.94
	ηs.c	%		249	243	238
	ηs.h	%		156	155	155
	Performance	Air flow (H)	m³/h	70000	72000	74000
		Sound pressure level (H)	dB(A)	69.0	69.0	69.0
		External dimensions(W/D/H)	mm	1410/750/1690+1410/750/1690+1410/750/1690+1410/750/1690		
	Shipping dimensions(W/D/H)	mm	1485/850/1858+1485/850/1858+1485/850/1858+1485/850/1858			
	Net/Shipping weight	kg	366/395+366/395+366/395+375/404+375/404			
	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	
Installation	Refrigerant charge	kg	40	40	40	
	Refrigerant liquid pipe	mm	22.2	22.2	22.2	
	Refrigerant gas pipe	mm	44.5	44.5	44.5	
	Refrigerant high gas pipe	mm	41.3	41.3	41.3	
	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	-5~50	-5~50	
	Heating	°C	-23~21	-23~21	-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 nominal condition: cooling indoor temp. is 27°C DB/19°C WB, outdoor temp. is 35°C DB/24WB in heating, indoor temp. is 20°C DB in heating, outdoor temp. is 7°C DB/6°C WB

Model			AV80IMVURA	AV82IMVURA	AV84IMVURA	AV86IMVURA	AV88IMVURA	
Capacity	Combination model		AV20IMVURA	AV20IMVURA	AV20IMVURA	AV20IMVURA	AV22IMVURA	
			AV20IMVURA	AV20IMVURA	AV20IMVURA	AV22IMVURA	AV22IMVURA	
			AV20IMVURA	AV20IMVURA	AV22IMVURA	AV22IMVURA	AV22IMVURA	
			AV20IMVURA	AV22IMVURA	AV22IMVURA	AV22IMVURA	AV22IMVURA	
Capacity	Capacity range	HP	80	82	84	86	88	
	Cooling	kW	224.0	228.0	232.0	236.0	240.0	
	Heating	kW	224.0	228.0	232.0	236.0	240.0	
Electrical parameters	Power supply	Ph/V/Hz	3/380-415/50/60	3/380-415/50/60	3/380-415/50/60	3/380-415/50/60	3/380-415/50/60	
	Cooling	Rated power input	kW	68.92	71.69	74.46	77.23	80.00
		Max power input	kW	128.00	130.00	130.00	131.00	132.00
		Rated current	A	113.83	118.40	122.97	127.55	132.12
	Heating	Max current	A	211.39	213.04	214.70	216.35	218.00
		Rated power input	kW	63.10	65.24	67.37	69.51	71.64
		Max power input	kW	117.60	118.60	119.60	120.60	121.60
		Rated current	A	104.21	107.74	111.26	114.79	118.31
		Max current	A	194.22	195.87	197.52	199.17	200.82
	SEER			5.90	5.86	5.81	5.77	5.74
	SCOP			3.98	3.88	3.83	3.79	3.76
	ηs.c	%		233	231	229	228	327
	ηs.h	%		152	152	150	149	147
	Performance	Air flow (H)	m³/h	76000	76000	76000	76000	76000
		Sound pressure level (H)	dB(A)	69.0	69.3	69.5	69.8	70.0
		External dimensions(W/D/H)	mm	1410/750/1690+1410/750/1690+1410/750/1690+1410/750/1690				
	Shipping dimensions(W/D/H)	mm	1485/850/1858+1485/850/1858+1485/850/1858+1485/850/1858					
	Net/Shipping weight	kg	375/404+375/404+375/404+375/404					
	Compressor type		DC INV. SCROLL	DC INV. SCROLL	DC INV. SCROLL	DC INV. SCROLL	DC INV. SCROLL	
	Compressor brand		MITSUBISHI	MITSUBISHI	MITSUBISHI	MITSUBISHI	MITSUBISHI	
	Compressor quantity		8INV	8INV	8INV	8INV	8INV	
	Refrigerant type		R410A	R410A	R410A	R410A	R410A	
Installation	Refrigerant charge	kg	40	40	40	40	40	
	Refrigerant liquid pipe	mm	22.2	22.2	22.2	25.4	25.4	
	Refrigerant gas pipe	mm	44.5	44.5	44.5	50.8	50.8	
	Refrigerant high gas pipe	mm	41.3	41.3	41.3	44.5	44.5	
	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	-5~50	-5~50	-5~50	-5~50	
	Heating	°C	-23~21	-23~21	-23~21	-23~21	-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 nominal condition: cooling indoor temp. is 27°C DB/19°C WB, outdoor temp. is 35°C DB/24WB in heating, indoor temp. is 20°C DB in heating, outdoor temp. is 7°C DB/6°C WB