



8-14HP

AV08IMVURA

AV10IMVURA

AV12IMVURA

AV14IMVURA

Model		AV08IMVURA	AV10IMVURA	AV12IMVURA	AV14IMVURA
Capacity					
Power Class	HP	8	10	12	14
Cooling	kW	22,40	28,00	33,50	40,00
Heating	kW	22,40	28,00	33,50	40,00
Electrical Parameters					
Power supply	Ph/V/Hz	3/380-400/50/60 (5 wires L1+L2+L3+N+T)	3/380-400/50/60 (5 wires L1+L2+L3+N+T)	3/380-400/50/60 (5 wires L1+L2+L3+N+T)	3/380-400/50/60 (5 wires L1+L2+L3+N+T)
Absorbed power - Cooling	kW	5,83	7,67	9,94	12,31
Max absorbed power - Cooling	kW	12,80	13,80	18,20	19,20
Absorbed current in cooling.	A	9,63	12,67	16,43	20,33
Max absorbed current - Cooling	A	21,14	22,79	30,06	31,71
Absorbed power - Heating	kW	5,38	6,67	8,77	10,53
Max absorbed power - Heating	kW	11,50	12,50	17,40	18,40
Absorbed current in heating	A	8,88	11,01	14,48	17,38
Max absorbed current - Heating	A	18,99	20,64	28,74	30,39
EER energy class	W/W	3,84	3,65	3,37	3,25
COP energy class	W/W	4,16	4,20	3,82	3,80
SEER energy class	W/W	6,12	6,68	6,46	6,37
SCOP energy class	W/W	3,82	3,94	3,99	3,77
ηs,c %		242	264	255	252
ηs,h %		150	155	157	148
Ventilation					
Air flow (High)	m³/h	12000	12000	13500	13500
Sound pressure level (High)	dB(A)	57	58	60	61
Sound power level (High)	dB(A)	81	82	88	88
Installation - Dimensions - Components					
Unit Dimensions WxDxH	mm	980x750x1690			
Packaged unit dimensions WxDxH	mm	1070x850x1858			
Net weight / Gross weight	Kg	246/271		257/282	
Compressor type		DC Inverter Scroll	DC Inverter Scroll	DC Inverter Scroll	DC Inverter Scroll
Quantity and type of the compressor	No.	1 INV	1 INV	1 INV	1 INV
Refrigerant type		R410A	R410A	R410A	R410A
Pre-charged refrigerant qty.	Kg	10	10	10	10
Ø Liquid side refrigerant pipe	mm (inch)	9,52 (3/8)	9,52 (3/8)	12,70 (1/2)	12,70 (1/2)
Ø Gas recovery side refrigerant pipe	mm (inch)	19,05 (3/4)	22,22 (7/8)	25,40 (1)	25,40 (1)
Ø High-pressure refrigerant gas pipe	mm (inch)	19,05 (3/4)	19,05 (3/4)	22,22 (7/8)	22,22 (7/8)
Maximum piping length	m	1000	1000	1000	1000
Max linear piping length (Equivalent/Real)	m	260/220	260/220	260/220	260/220
Max. drop between IU and OU (O.U. down/up)*1	m	110/90	110/90	110/90	110/90
Std. drop between IU and OU (O.U. up/down)*2		50/40	50/40	50/40	50/40
Max. drop between IU *3	m	30	30	30	30
Std. drop between IU *4		18	18	18	18
Static Pressure Fans	Pa	110	110	110	110
Connectable Indoor Capacity Ratio					
Indoor / Outdoor Capacity Ratio	%	50 – 130	50 – 130	50 – 130	50 – 130
Maximum number of connectable IUs	No.	13	16	20	24
External Temperature Operating Limits					
Cooling	°C	-5-50	-5-50	-5-50	-5-50
Heating	°C	-23-21	-23-21	-23-21	-23-21

The specifications indicated are obtained with the following test conditions: in Cooling mode, Indoor temperature of 27°C DB / 19°C WB and Outdoor temperature of 35°C DB / 24°C WB. In Heating mode, Indoor temperature of 20°C WB and Outdoor temperature of 7°C DB / 6°C WB

Outdoor Units

MRV5-RC

DC INVERTER

Haier



16-22HP

AV16IMVURA

AV18IMVURA

AV20IMVURA

AV22IMVURA

Model		AV16IMVURA	AV18IMVURA	AV20IMVURA	AV22IMVURA
Capacity					
Power Class	HP	16	18	20	22
Cooling	kW	45,00	50,00	56,00	60,00
Heating	kW	45,00	50,00	56,00	60,00
Electrical Parameters					
Power supply	Ph/V/Hz	3/380-400/50/60 (5 wires L1+L2+L3+N+T)	3/380-400/50/60 (5 wires L1+L2+L3+N+T)	3/380-400/50/60 (5 wires L1+L2+L3+N+T)	3/380-400/50/60 (5 wires L1+L2+L3+N+T)
Absorbed power - Cooling	kW	13,93	16,13	20,29	22,22
Max absorbed power - Cooling	kW	25,10	28,50	32,00	33,00
Absorbed current in cooling.	A	23,01	26,64	28,46	33,03
Max absorbed current - Cooling	A	41,45	47,07	52,85	54,50
Absorbed power - Heating	kW	11,39	13,70	15,77	17,91
Max absorbed power - Heating	kW	22,70	25,50	29,40	30,40
Absorbed current in heating	A	18,81	22,62	26,05	29,58
Max absorbed current - Heating	A	37,49	42,11	48,55	50,21
EER energy class	W/W	3,23	3,10	2,76	2,70
COP energy class	W/W	3,95	3,65	3,55	3,35
SEER energy class	W/W	6,86	6,48	5,78	5,63
SCOP energy class	W/W	4,21	3,99	3,93	3,50
ηs,c %		271	256	228	222
ηs,h %		165	157	154	137
Ventilation					
Air flow (High)	m³/h	17000	17000	19000	19000
Sound pressure level (High)	dB(A)	62	63	63	64
Sound power level (High)	dB(A)	88	88	88	90
Installation - Dimensions - Components					
Unit Dimensions WxDxH	mm	1410x750x1690			
Packaged unit dimensions WxDxH	mm	1485x850x1858			
Net weight / Gross weight	Kg	366/395		375/404	
Compressor type		DC Inverter Scroll	DC Inverter Scroll	DC Inverter Scroll	DC Inverter Scroll
Quantity and type of the compressor	No.	2 INV	2 INV	2 INV	2 INV
Refrigerant type		R410A	R410A	R410A	R410A
Pre-charged refrigerant qty.	Kg	10	10	10	10
Ø Liquid side refrigerant pipe	mm (inch)	12,70 (1/2)	15,88 (5/8)	15,88 (5/8)	15,88 (5/8)
Ø Gas recovery side refrigerant pipe	mm (inch)	28,58 (1-1/8)	28,58 (1-1/8)	28,58 (1-1/8)	28,58 (1-1/8)
Ø High-pressure refrigerant gas pipe	mm (inch)	25,40 (1)	25,40 (1)	25,40 (1)	25,40 (1)
Maximum piping length	m	1000	1000	1000	1000
Max linear piping length (Equivalent/Real)	m	260/220	260/220	260/220	260/220
Standard height difference between IU and OU	m	110/90	110/90	110/90	110/90
Std. drop between IU and OU (O.U. up/down)*2	m	50/40	50/40	50/40	50/40
Max. drop between IU *3	m	30	30	30	30
Std. drop between IU *4	m	18	18	18	18
Static Pressure Fans	Pa	110	110	110	110
Connectable Indoor Capacity Ratio					
Indoor / Outdoor Capacity Ratio	%	50 – 130	50 – 130	50 – 130	50 – 130
Maximum number of connectable IUs	No.	27	30	33	36
External Temperature Operating Limits					
Cooling	°C	-5~50	-5~50	-5~50	-5~50
Heating	°C	-23~21	-23~21	-23~21	-23~21

The specifications indicated are obtained with the following test conditions: in Cooling mode, Indoor temperature of 27°C DB / 19°C WB and Outdoor temperature of 35°C DB / 24°C WB. In Heating mode, Indoor temperature of 20°C WB and Outdoor temperature of 7°C DB / 6°C WB

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24-30HP

AV12IMVURA

AV14IMVURA

AV16IMVURA

Model		AV24IMVURA AV12IMVURA AV12IMVURA	AV26IMVURA AV12IMVURA AV14IMVURA	AV28IMVURA AV14IMVURA AV14IMVURA	AV30IMVURA AV14IMVURA AV16IMVURA
Capacity					
Power Class	HP	24	26	28	30
Cooling	kW	67,00	73,50	80,00	85,00
Heating	kW	67,00	73,50	80,00	85,00
Electrical Parameters					
Power supply	Ph/V/Hz	3/380-400/50/60 (5 wires L1+L2+L3+N+T)		3/380-400/50/60 (5 wires L1+L2+L3+N+T)	
Absorbed power - Cooling	kW	19,88	22,25	24,62	26,24
Max absorbed power - Cooling	kW	36,40	37,40	38,40	44,30
Absorbed current in cooling.	A	32,83	36,74	40,65	43,33
Max absorbed current - Cooling	A	60,11	61,77	63,42	73,16
Absorbed power - Heating	kW	17,54	19,30	21,05	21,92
Max absorbed power - Heating	kW	34,80	35,80	36,80	41,10
Absorbed current in heating	A	28,97	31,87	34,77	36,20
Max absorbed current - Heating	A	57,47	59,12	60,78	67,88
EER energy class	W/W	3,37	3,30	3,25	3,24
COP energy class	W/W	3,82	3,81	3,80	3,88
SEER energy class	W/W	6,46	6,37	6,37	6,37
SCOP energy class	W/W	3,99	3,77	3,77	3,77
ηs,c %		255	252	252	252
ηs,h %		157	148	148	148
Ventilation					
Air flow (High)	m³/h	27000	27000	27000	30500
Sound pressure level (High)	dB(A)	63	64	64	65
Sound power level (High)	dB(A)	88	90	90	91
Installation - Dimensions - Components					
Unit Dimensions WxDxH	mm	980x750x1690+980x750x1690			980x750x1690 + 1410x750x1690
Packaged unit dimensions WxDxH	mm	1070x850x1858+1070x850x1858			1070x850x1858 + 1515x850x1858
Net weight / Gross weight	Kg	246/271+246/271			246/271+366/395
Compressor type		DC Inverter Scroll	DC Inverter Scroll	DC Inverter Scroll	DC Inverter Scroll
Quantity and type of the compressor	No.	2 INV	2 INV	2 INV	3 INV
Refrigerant type		R410A	R410A	R410A	R410A
Pre-charged refrigerant qty.	Kg	20	20	20	20
Ø Liquid side refrigerant pipe	mm (inch)	15,88 (5/8)	15,88 (5/8)	15,88 (5/8)	19,05 (3/4)
Ø Gas recovery side refrigerant pipe	mm (inch)	28,58 (1-1/8)	28,58 (1-1/8)	28,58 (1-1/8)	31,80 (1-1/4)
Ø High-pressure refrigerant gas pipe	mm (inch)	25,40 (1)	25,40 (1)	25,40 (1)	25,40 (1)
Maximum piping length	m	1000	1000	1000	1000
Max linear piping length (Equivalent/Real)	m	260/220	260/220	260/220	260/220
Max. drop between IU and OU (O.U. down/ up)*1	m	110/90	110/90	110/90	110/90
Std. drop between IU and OU (O.U. up/ down)*2	m	50/40	50/40	50/40	50/40
Max. drop between IU *3	m	30	30	30	30
Std. drop between IU *4	m	18	18	18	18
Static Pressure Fans	Pa	110	110	110	110
Connectable Indoor Capacity Ratio					
Indoor / Outdoor Capacity Ratio	%	50 – 130	50 – 130	50 – 130	50 – 130
Maximum number of connectable IUs	No.	40	43	47	50
External Temperature Operating Limits					
Cooling	°C	-5-50	-5-50	-5-50	-5-50
Heating	°C	-23-21	-23-21	-23-21	-23-21

The specifications indicated are obtained with the following test conditions: in Cooling mode, Indoor temperature of 27°C DB / 19°C WB and Outdoor temperature of 35°C DB / 24°C WB. In Heating mode, Indoor temperature of 20°C WB and Outdoor temperature of 7°C DB / 6°C WB

Outdoor Units

MRV5-RC

DC INVERTER

Haier



32-40HP

AV16IMVURA

AV18IMVURA

AV20IMVURA

		AV32IMVURA	AV34IMVURA	AV36IMVURA	AV38IMVURA	AV40IMVURA
Model		AV16IMVURA AV16IMVURA	AV16IMVURA AV18IMVURA	AV18IMVURA AV18IMVURA	AV18IMVURA AV20IMVURA	AV20IMVURA AV20IMVURA
Capacity						
Power Class	HP	32	34	36	38	40
Cooling	kW	90,00	95,00	100,00	106,00	112,00
Heating	kW	90,00	95,00	100,00	106,00	112,00
Electrical Parameters						
Power supply	Ph/V/Hz	3/380-400/50/60 (5 wires L1+L2+L3+N+T)	3/380-400/50/60 (5 wires L1+L2+L3+N+T)	3/380-400/50/60 (5 wires L1+L2+L3+N+T)	3/380-400/50/60 (5 wires L1+L2+L3+N+T)	3/380-400/50/60 (5 wires L1+L2+L3+N+T)
Absorbed power - Cooling	kW	27,86	30,06	32,26	36,42	40,58
Max absorbed power - Cooling	kW	50,20	53,60	57,00	60,50	64,00
Absorbed current in cooling.	A	46,02	49,65	53,27	55,09	56,91
Max absorbed current - Cooling	A	82,91	88,52	94,14	99,92	105,70
Absorbed power – Heating	kW	22,78	25,09	27,40	29,47	31,54
Max absorbed power – Heating	kW	45,40	48,20	51,00	54,90	58,80
Absorbed current in heating	A	37,63	41,44	45,25	48,67	52,09
Max absorbed current – Heating	A	74,98	79,60	84,23	90,67	97,11
EER energy class	W/W	3,23	3,16	3,10	2,91	2,76
COP energy class	W/W	3,95	3,79	3,65	3,60	3,55
SEER energy class	W/W	6,86	6,48	6,48	5,78	5,78
SCOP energy class	W/W	4,21	3,99	3,99	3,93	3,93
ηs,c %		271	256	256	228	228
ηs,h %		165	157	157	154	154
Ventilation						
Air flow (High)	m³/h	34000	34000	34000	36000	38000
Sound pressure level (High)	dB(A)	65	66	66	66	66
Sound power level (High)	dB(A)	91	92	92	92	92
Installation - Dimensions - Components						
Unit Dimensions WxDxH	mm	1410x750x1690+1410x750x1690				
Packaged unit dimensions WxDxH	mm	1515x850x1858+1515x850x1858				
Net weight / Gross weight	Kg	366/395 + 366/395			375/404 + 375/404	
Compressor type		DC Inverter Scroll	DC Inverter Scroll	DC Inverter Scroll	DC Inverter Scroll	DC Inverter Scroll
Quantity and type of the compressor	No.	4 INV	4 INV	4 INV	4 INV	4 INV
Refrigerant type		R410A	R410A	R410A	R410A	R410A
Pre-charged refrigerant qty.	Kg	20	20	20	20	20
Ø Liquid side refrigerant pipe	mm (inch)	19,05 (3/4)	19,05 (3/4)	19,05 (3/4)	19,05 (3/4)	19,05 (3/4)
Ø Gas recovery side refrigerant pipe	mm (inch)	31,80 (1-1/4)	31,80 (1-1/4)	38,10 (1-1/2)	38,10 (1-1/2)	38,10 (1-1/2)
Ø High-pressure refrigerant gas pipe	mm (inch)	28,58 (1-1/8)	28,58 (1-1/8)	34,9 (1-3/8)	34,9 (1-3/8)	34,9 (1-3/8)
Maximum piping length	m	1000	1000	1000	1000	1000
Max linear piping length (Equivalent/Real)	m	260/220	260/220	260/220	260/220	260/220
Max. drop between IU and OU (O.U. down/ up)*1	m	110/90	110/90	110/90	110/90	110/90
Std. drop between IU and OU (O.U. up/ down)*2	m	50/40	50/40	50/40	50/40	50/40
Max. drop between IU *3	m	30	30	30	30	30
Std. drop between IU *4	m	18	18	18	18	18
Static Pressure Fans	Pa	110	110	110	110	110
Connectable Indoor Capacity Ratio						
Indoor / Outdoor Capacity Ratio	%	50 – 130	50 – 130	50 – 130	50 – 130	50 – 130
Maximum number of connectable IUs	No.	53	56	59	63	64
External Temperature Operating Limits						
Cooling	°C	-5-50	-5-50	-5-50	-5-50	-5-50
Heating	°C	-23-21	-23-21	-23-21	-23-21	-23-21

The specifications indicated are obtained with the following test conditions: in Cooling mode, Indoor temperature of 27°C DB / 19°C WB and Outdoor temperature of 35°C DB / 24°C WB. In Heating mode, Indoor temperature of 20°C WB and Outdoor temperature of 7°C DB / 6°C WB

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42-46HP

AV14IMVURA

AV16IMVURA

AV20IMVURA

AV22IMVURA

Model		AV42IMVURA AV20IMVURA AV22IMVURA	AV44IMVURA AV22IMVURA AV22IMVURA	AV46IMVURA AV14IMVURA AV16IMVURA AV16IMVURA
Capacity				
Power Class	HP	42	44	46
Cooling	kW	116,00	120,00	130,00
Heating	kW	116,00	120,00	130,00
Electrical Parameters				
Power supply	Ph/V/Hz	3/380-400/50/60 (5 wires L1+L2+L3+N+T)	3/380-400/50/60 (5 wires L1+L2+L3+N+T)	3/380-400/50/60 (5 wires L1+L2+L3+N+T)
Absorbed power - Cooling	kW	42,51	44,44	40,17
Max absorbed power - Cooling	kW	65,00	66,00	69,40
Absorbed current in cooling.	A	61,49	66,06	66,34
Max absorbed current - Cooling	A	107,35	109,00	114,61
Absorbed power - Heating	kW	33,69	35,82	33,31
Max absorbed power - Heating	kW	59,80	60,80	63,80
Absorbed current in heating	A	55,62	59,16	55,01
Max absorbed current - Heating	A	98,76	100,41	105,37
EER energy class	W/W	2,73	2,70	3,24
COP energy class	W/W	3,44	3,35	3,90
SEER energy class	W/W	5,63	5,63	6,37
SCOP energy class	W/W	3,50	3,50	3,77
η _{s,c} %		222	222	252
η _{s,h} %		137	137	148
Ventilation				
Air flow (High)	m³/h	38000	38000	47500
Sound pressure level (High)	dB(A)	67	67	67
Sound power level (High)	dB(A)	93	93	92
Installation - Dimensions - Components				
Unit Dimensions WxDxH	mm	1410x750x1690 + 1410x750x1690	980x750x1690 + 1410x750x1690 + 1410x750x1690	
Packaged unit dimensions WxDxH	mm	1515x850x1858 + 1515x850x1858	1070x850x1838 + 1515x850x1838 + 1515x850x1838	
Net weight / Gross weight	Kg	375/404 + 375/404	257/282 + 366/395 + 366/395	
Compressor type		DC Inverter Scroll	DC Inverter Scroll	DC Inverter Scroll
Quantity and type of the compressor	No.	4 INV	4 INV	5 INV
Refrigerant type		R410A	R410A	R410A
Pre-charged refrigerant qty.	Kg	20	20	30
Ø Liquid side refrigerant pipe	mm (inch)	19,05 (3/4)	19,05 (3/4)	19,05 (3/4)
Ø Gas recovery side refrigerant pipe	mm (inch)	38,10 (1-1/2)	38,10 (1-1/2)	38,10 (1-1/2)
Ø High-pressure refrigerant gas pipe	mm (inch)	34,9 (1-3/8)	34,9 (1-3/8)	34,9 (1-3/8)
Maximum piping length	m	1000	1000	1000
Max linear piping length (Equivalent/Real)	m	260/220	260/220	260/220
Max. drop between IU and OU (O.U. down/up)*1	m	110/90	110/90	110/90
Std. drop between IU and OU (O.U. up/down)*2		50/40	50/40	50/40
Max. drop between IU *3	m	30	30	30
Std. drop between IU *4		18	18	18
Static Pressure Fans	Pa	110	110	110
Connectable Indoor Capacity Ratio				
Indoor / Outdoor Capacity Ratio	%	50 – 130	50 – 130	50 – 130
Maximum number of connectable IUs	No.	64	64	64
External Temperature Operating Limits				
Cooling	°C	-5-50	-5-50	-5-50
Heating	°C	-23-21	-23-21	-23-21

The specifications indicated are obtained with the following test conditions: in Cooling mode, Indoor temperature of 27°C DB / 19°C WB and Outdoor temperature of 35°C DB / 24°C WB. In Heating mode, Indoor temperature of 20°C WB and Outdoor temperature of 7°C DB / 6°C WB

Outdoor Units

MRV5-RC

DC INVERTER

Haier



48-56HP

AV16IMVURA

AV18IMVURA

AV20IMVURA

Model		AV48IMVURA AV16IMVURA AV16IMVURA AV16IMVURA	AV50IMVURA AV16IMVURA AV16IMVURA AV18IMVURA	AV52IMVURA AV16IMVURA AV18IMVURA AV18IMVURA	AV54IMVURA AV18IMVURA AV18IMVURA AV18IMVURA	AV56IMVURA AV18IMVURA AV18IMVURA AV20IMVURA
Capacity						
Power Class	HP	48	50	52	54	56
Cooling	kW	135,00	140,00	145,00	150,00	156,00
Heating	kW	135,00	140,00	145,00	150,00	156,00
Electrical Parameters						
Power supply	Ph/V/Hz	3/380-400/50/60 (5 wires L1+L2+L3+N+T)	3/380-400/50/60 (5 wires L1+L2+L3+N+T)	3/380-400/50/60 (5 wires L1+L2+L3+N+T)	3/380-400/50/60 (5 wires L1+L2+L3+N+T)	3/380-400/50/60 (5 wires L1+L2+L3+N+T)
Absorbed power - Cooling	kW	41,80	43,99	46,19	48,39	52,55
Max absorbed power - Cooling	kW	75,30	78,70	82,10	85,50	89,00
Absorbed current in cooling.	A	69,03	72,65	76,28	79,91	81,73
Max absorbed current - Cooling	A	124,36	129,97	135,59	141,20	146,98
Absorbed power - Heating	kW	34,18	36,48	38,79	41,10	43,17
Max absorbed power - Heating	kW	68,10	70,90	73,70	76,50	80,40
Absorbed current in heating	A	56,44	60,25	64,06	67,87	71,29
Max absorbed current - Heating	A	112,47	117,09	121,72	126,34	132,78
EER energy class	W/W	3,23	3,18	3,14	3,10	2,97
COP energy class	W/W	3,95	3,84	3,74	3,65	3,61
SEER energy class	W/W	6,86	6,48	6,48	6,48	5,78
SCOP energy class	W/W	4,21	3,99	3,99	3,99	3,93
ηs,c %		271	256	256	256	228
ηs,h %		165	157	157	157	154
Ventilation						
Air flow (High)	m³/h	51000	51000	51000	51000	53000
Sound pressure level (High)	dB(A)	67	67	68	68	68
Sound power level (High)	dB(A)	93	93	93	94	94
Installation - Dimensions - Components						
Unit Dimensions WxDxH	mm	1410x750x1690+1410x750x1690+1410x750x1690				
Packaged unit dimensions WxDxH	mm	1485x850x1858+1485x850x1858+1485x850x1858				
Net weight / Gross weight	Kg	366/395+366/395+366/395				
Compressor type		DC Inverter Scroll	DC Inverter Scroll	DC Inverter Scroll	DC Inverter Scroll	DC Inverter Scroll
Quantity and type of the compressor	No.	6 INV	6 INV	6 INV	6 INV	6 INV
Refrigerant type		R410A	R410A	R410A	R410A	R410A
Pre-charged refrigerant qty.	Kg	30	30	30	30	30
Ø Liquid side refrigerant pipe	mm (inch)	19,05 (3/4)	19,05 (3/4)	19,05 (3/4)	19,05 (3/4)	19,05 (3/4)
Ø Gas recovery side refrigerant pipe	mm (inch)	38,10 (1-1/2)	38,10 (1-1/2)	38,10 (1-1/2)	38,10 (1-1/2)	38,10 (1-1/2)
Ø High-pressure refrigerant gas pipe	mm (inch)	34,9 (1-3/8)	34,9 (1-3/8)	34,9 (1-3/8)	34,9 (1-3/8)	34,9 (1-3/8)
Maximum piping length	m	1000	1000	1000	1000	1000
Max linear piping length (Equivalent/Real)	m	260/220	260/220	260/220	260/220	260/220
Max. drop between IU and OU (O.U. down/up)*1	m	110/90	110/90	110/90	110/90	110/90
Std. drop between IU and OU (O.U. up/down)*2	m	50/40	50/40	50/40	50/40	50/40
Max. drop between IU *3	m	30	30	30	30	30
Std. drop between IU *4	m	18	18	18	18	18
Static Pressure Fans	Pa	110	110	110	110	110
Connectable Indoor Capacity Ratio						
Indoor / Outdoor Capacity Ratio	%	50 – 130	50 – 130	50 – 130	50 – 130	50 – 130
Maximum number of connectable IUs	No.	64	64	64	64	64
External Temperature Operating Limits						
Cooling	°C	-5-50	-5-50	-5-50	-5-50	-5-50
Heating	°C	-23-21	-23-21	-23-21	-23-21	-23-21

The specifications indicated are obtained with the following test conditions: in Cooling mode, Indoor temperature of 27°C DB / 19°C WB and Outdoor temperature of 35°C DB / 24°C WB. In Heating mode, Indoor temperature of 20°C WB and Outdoor temperature of 7°C DB / 6°C WB



58-66HP

AV18IMVURA

AV20IMVURA

AV22IMVURA

Model		AV58IMVURA AV18IMVURA AV20IMVURA AV20IMVURA	AV60IMVURA AV20IMVURA AV20IMVURA AV20IMVURA	AV62IMVURA AV20IMVURA AV20IMVURA AV22IMVURA	AV64IMVURA AV20IMVURA AV20IMVURA AV22IMVURA	AV66IMVURA AV22IMVURA AV22IMVURA AV22IMVURA
Capacity						
Power Class	HP	58	60	62	64	66
Cooling	kW	162,00	168,0	172,00	176,00	180,00
Heating	kW	162,00	168,00	172,00	176,00	180,00
Electrical Parameters						
Power supply	Ph/V/Hz	3/380-400/50/60 (5 wires L1+L2+L3+N+T)	3/380-400/50/60 (5 wires L1+L2+L3+N+T)	3/380-400/50/60 (5 wires L1+L2+L3+N+T)	3/380-400/50/60 (5 wires L1+L2+L3+N+T)	3/380-400/50/60 (5 wires L1+L2+L3+N+T)
Absorbed power - Cooling	kW	56,71	60,87	62,80	64,73	66,66
Max absorbed power - Cooling	kW	92,50	96,00	97,00	98,00	99,00
Absorbed current in cooling.	A	83,55	85,37	89,94	94,52	99,09
Max absorbed current - Cooling	A	152,76	158,54	160,20	161,85	163,50
Absorbed power - Heating	kW	45,25	47,31	49,45	51,59	53,73
Max absorbed power - Heating	kW	84,30	88,20	89,20	90,20	91,20
Absorbed current in heating	A	74,71	78,13	81,67	85,20	88,74
Max absorbed current - Heating	A	139,22	145,66	147,31	148,97	150,62
EER energy class	W/W	2,86	2,76	2,74	2,72	2,70
COP energy class	W/W	3,58	3,55	3,48	3,41	3,35
SEER energy class	W/W	5,78	5,78	5,63	5,63	5,63
SCOP energy class	W/W	3,93	3,93	3,50	3,50	3,50
ηs,c %		288	288	222	222	222
ηs,h %		154	154	137	137	137
Ventilation						
Air flow (High)	m³/h	55000	57000	57000	57000	57000
Sound pressure level (High)	dB(A)	68	68	68	69	69
Sound power level (High)	dB(A)	94	94	94	94	95
Installation - Dimensions - Components						
Unit Dimensions WxDxH	mm	1410x750x1690+1410x750x1690+1410x750x1690				
Packaged unit dimensions WxDxH	mm	1485x850x1858+1485x850x1858+1485x850x1858				
Net weight / Gross weight	Kg	366/395 + 375/404 + 375/404	375/404 + 375/404 + 375/404			
Compressor type		DC Inverter Scroll	DC Inverter Scroll	DC Inverter Scroll	DC Inverter Scroll	DC Inverter Scroll
Quantity and type of the compressor	No.	6 INV	6 INV	6 INV	6 INV	6 INV
Refrigerant type		R410A	R410A	R410A	R410A	R410A
Pre-charged refrigerant qty.	Kg	30	30	30	30	30
Ø Liquid side refrigerant pipe	mm (inch)	19,05 (3/4)	19,05 (3/4)	19,05 (3/4)	19,05 (3/4)	19,05 (3/4)
Ø Gas recovery side refrigerant pipe	mm (inch)	41,30 (1-5/8)	41,30 (1-5/8)	41,30 (1-5/8)	41,30 (1-5/8)	41,30 (1-5/8)
Ø High-pressure refrigerant gas pipe	mm (inch)	38,10 (1-1/2)	38,10 (1-1/2)	38,10 (1-1/2)	38,10 (1-1/2)	38,10 (1-1/2)
Maximum piping length	m	1000	1000	1000	1000	1000
Max linear piping length (Equivalent/Real)	m	260/220	260/220	260/220	260/220	260/220
Max. drop between IU and OU (O.U. down/ up)*1	m	110/90	110/90	110/90	110/90	110/90
Std. drop between IU and OU (O.U. up/ down)*2	m	50/40	50/40	50/40	50/40	50/40
Max. drop between IU *3	m	30	30	30	30	30
Std. drop between IU *4	m	18	18	18	18	18
Static Pressure Fans	Pa	110	110	110	110	110
Connectable Indoor Capacity Ratio						
Indoor / Outdoor Capacity Ratio	%	50 – 130	50 – 130	50 – 130	50 – 130	50 – 130
Maximum number of connectable IUs	No.	64	64	64	64	64
External Temperature Operating Limits						
Cooling	°C	-5-50	-5-50	-5-50	-5-50	-5-50
Heating	°C	-23-21	-23-21	-23-21	-23-21	-23-21

The specifications indicated are obtained with the following test conditions: in Cooling mode, Indoor temperature of 27°C DB / 19°C WB and Outdoor temperature of 35°C DB / 24°C WB. In Heating mode, Indoor temperature of 20°C WB and Outdoor temperature of 7°C DB / 6°C WB

Outdoor Units

MRV5-RC

DC INVERTER

Haier



68-74HP

AV16IMVURA

AV18IMVURA

AV20IMVURA

Model		AV68IMVURA AV16IMVURA AV16IMVURA AV18IMVURA AV18IMVURA	AV70IMVURA AV16IMVURA AV18IMVURA AV18IMVURA AV18IMVURA	AV72IMVURA AV18IMVURA AV18IMVURA AV18IMVURA AV18IMVURA	AV74IMVURA AV18IMVURA AV18IMVURA AV18IMVURA AV20IMVURA
Capacity					
Power Class	HP	68	70	72	74
Cooling	kW	190,00	195,00	200,00	206,00
Heating	kW	190,00	195,00	200,00	206,00
Electrical Parameters					
Power supply	Ph/V/Hz	3/380-400/50/60 (5 wires L1+L2+L3+N+T)	3/380-400/50/60 (5 wires L1+L2+L3+N+T)	3/380-400/50/60 (5 wires L1+L2+L3+N+T)	3/380-400/50/60 (5 wires L1+L2+L3+N+T)
Absorbed power - Cooling	kW	60,12	62,32	64,52	65,62
Max absorbed power - Cooling	kW	107,20	110,60	114,00	117,50
Absorbed current in cooling	A	99,29	102,92	106,55	108,37
Max absorbed current - Cooling	A	177,04	182,66	188,27	194,05
Absorbed power - Heating	kW	50,18	52,49	54,79	56,87
Max absorbed power - Heating	kW	96,40	99,20	102,00	105,90
Absorbed current in heating	A	82,88	86,68	90,49	93,91
Max absorbed current - Heating	A	159,21	163,83	168,45	174,89
EER energy class	W/W	3,16	3,13	3,10	3,00
COP energy class	W/W	3,79	3,72	3,65	3,62
SEER energy class	W/W	6,48	6,48	6,48	5,78
SCOP energy class	W/W	3,99	3,99	3,99	3,93
ηs,c %		256	256	256	228
ηs,h %		157	157	157	154
Ventilation					
Air flow (High)	m³/h	68000	68000	68000	70000
Sound pressure level (High)	dB(A)	69	69	69	69
Sound power level (High)	dB(A)	95	95	95	95
Installation - Dimensions - Components					
Unit Dimensions WxDxH	mm	1410x750x1690+1410x750x1690+1410x750x1690+1410x750x1690			
Packaged unit dimensions WxDxH	mm	1515x850x1858+1515x850x1858+1515x850x1858+1515x850x1858			
Net weight / Gross weight	Kg	366/395+366/395+366/395+366/395			366/395 + 366/395 + 366/395 + 375/404
Compressor type		DC Inverter Scroll	DC Inverter Scroll	DC Inverter Scroll	DC Inverter Scroll
Quantity and type of the compressor	No.	8 INV	8 INV	8 INV	8 INV
Refrigerant type		R410A	R410A	R410A	R410A
Pre-charged refrigerant qty.	Kg	40	40	40	40
Ø Liquid side refrigerant pipe	mm (inch)	22,20 (7/8)	22,20 (7/8)	22,20 (7/8)	22,20 (7/8)
Ø Gas recovery side refrigerant pipe	mm (inch)	44,50 (1-3/4)	44,50 (1-3/4)	44,50 (1-3/4)	44,50 (1-3/4)
Ø High-pressure refrigerant gas pipe	mm (inch)	41,30 (1-5/8)	41,30 (1-5/8)	41,30 (1-5/8)	41,30 (1-5/8)
Maximum piping length	m	1000	1000	1000	1000
Max linear piping length (Equivalent/Real)	m	260/220	260/220	260/220	260/220
Max. drop between IU and OU (O.U. down/up)*1	m	110/90	110/90	110/90	110/90
Std. drop between IU and OU (O.U. up/down)*2		50/40	50/40	50/40	50/40
Max. drop between IU *3	m	30	30	30	30
Std. drop between IU *4		18	18	18	18
Static Pressure Fans	Pa	110	110	110	110
Connectable Indoor Capacity Ratio					
Indoor / Outdoor Capacity Ratio	%	50 – 130	50 – 130	50 – 130	50 – 130
Maximum number of connectable IUs	No.	64	64	64	64
External Temperature Operating Limits					
Cooling	°C	-5-50	-5-50	-5-50	-5-50
Heating	°C	-23-21	-23-21	-23-21	-23-21

The specifications indicated are obtained with the following test conditions: in Cooling mode, Indoor temperature of 27°C DB / 19°C WB and Outdoor temperature of 35°C DB / 24°C WB. In Heating mode, Indoor temperature of 20°C WB and Outdoor temperature of 7°C DB / 6°C WB



76-82HP

AV18IMVURA

AV20IMVURA

AV22IMVURA

Model		AV76IMVURA AV18IMVURA AV18IMVURA AV20IMVURA AV20IMVURA	AV78IMVURA AV18IMVURA AV20IMVURA AV20IMVURA AV20IMVURA	AV80IMVURA AV20IMVURA AV20IMVURA AV20IMVURA AV20IMVURA	AV82IMVURA AV20IMVURA AV20IMVURA AV20IMVURA AV22IMVURA
Capacity					
Power Class	HP	76	78	80	82
Cooling	kW	212,00	218,00	224,00	228,00
Heating	kW	212,00	218,00	224,00	228,00
Electrical Parameters					
Power supply	Ph/V/Hz	3/380-400/50/60 (5 wires L1+L2+L3+N+T)	3/380-400/50/60 (5 wires L1+L2+L3+N+T)	3/380-400/50/60 (5 wires L1+L2+L3+N+T)	3/380-400/50/60 (5 wires L1+L2+L3+N+T)
Absorbed power - Cooling	kW	72,84	77,00	81,16	83,09
Max absorbed power - Cooling	kW	121,00	124,50	128,00	129,00
Absorbed current in cooling	A	110,19	112,01	113,83	118,40
Max absorbed current - Cooling	A	199,83	205,61	211,39	213,04
Absorbed power - Heating	kW	58,94	61,01	63,08	65,22
Max absorbed power - Heating	kW	109,80	113,70	117,60	118,60
Absorbed current in heating	A	97,34	100,76	104,18	107,71
Max absorbed current - Heating	A	181,34	187,78	194,22	195,87
EER energy class	W/W	2,91	2,83	2,76	2,74
COP energy class	W/W	3,60	3,57	3,55	3,50
SEER energy class	W/W	5,78	5,78	5,78	5,63
SCOP energy class	W/W	3,93	3,93	3,93	3,50
ηs,c %		288	288	233	222
ηs,h %		154	154	154	137
Ventilation					
Air flow (High)	m³/h	72000	74000	76000	76000
Sound pressure level (High)	dB(A)	69	69	69	69
Sound power level (High)	dB(A)	95	95	95	95
Installation - Dimensions - Components					
Unit Dimensions WxDxH	mm	1410x750x1690+1410x750x1690+1410x750x1690+1410x750x1690			
Packaged unit dimensions WxDxH	mm	1515x850x1858+1515x850x1858+1515x850x1858+1515x850x1858			
Net weight / Gross weight	Kg	366/395 + 366/395 + 375/404 + 375/404	366/395 + 375/404 + 375/404 + 375/404	375/404+375/404+375/404+375/404	
Compressor type		DC Inverter Scroll	DC Inverter Scroll	DC Inverter Scroll	DC Inverter Scroll
Quantity and type of the compressor	No.	8 INV	8 INV	8 INV	8 INV
Refrigerant type		R410A	R410A	R410A	R410A
Pre-charged refrigerant qty.	Kg	40	40	40	40
Ø Liquid side refrigerant pipe	mm (inch)	22,20 (7/8)	22,20 (7/8)	22,20 (7/8)	22,20 (7/8)
Ø Gas recovery side refrigerant pipe	mm (inch)	44,50 (1-3/4)	44,50 (1-3/4)	44,50 (1-3/4)	44,50 (1-3/4)
Ø High-pressure refrigerant gas pipe	mm (inch)	41,30 (1-5/8)	41,30 (1-5/8)	41,30 (1-5/8)	41,30 (1-5/8)
Maximum piping length	m	1000	1000	1000	1000
Max linear piping length (Equivalent/Real)	m	260/220	260/220	260/220	260/220
Max. drop between IU and OU (O.U. down/up)*1	m	110/90	110/90	110/90	110/90
Std. drop between IU and OU (O.U. up/down)*2	m	50/40	50/40	50/40	50/40
Max. drop between IU *3	m	30	30	30	30
Std. drop between IU *4	m	18	18	18	18
Static Pressure Fans	Pa	110	110	110	110
Connectable Indoor Capacity Ratio					
Indoor / Outdoor Capacity Ratio	%	50 – 130	50 – 130	50 – 130	50 – 130
Maximum number of connectable IUs	No.	64	64	64	64
External Temperature Operating Limits					
Cooling	°C	-5-50	-5-50	-5-50	-5-50
Heating	°C	-23-21	-23-21	-23-21	-23-21

The specifications indicated are obtained with the following test conditions: in Cooling mode, Indoor temperature of 27°C DB / 19°C WB and Outdoor temperature of 35°C DB / 24°C WB. In Heating mode, Indoor temperature of 20°C WB and Outdoor temperature of 7°C DB / 6°C WB

Outdoor Units

MRV5-RC

DC INVERTER

Haier



84-88HP

AV20IMVURA

AV22IMVURA

Model		AV84IMVURA AV20IMVURA AV20IMVURA AV22IMVURA AV22IMVURA	AV86IMVURA AV20IMVURA AV22IMVURA AV22IMVURA AV22IMVURA	AV88IMVURA AV22IMVURA AV22IMVURA AV22IMVURA AV22IMVURA
Capacity				
Power Class	HP	84	86	88
Cooling	kW	232,00	236,00	240,00
Heating	kW	232,00	236,00	240,00
Electrical Parameters				
Power supply	Ph/V/Hz	3/380-400/50/60 (5 wires L1+L2+L3+N+T)	3/380-400/50/60 (5 wires L1+L2+L3+N+T)	3/380-400/50/60 (5 wires L1+L2+L3+N+T)
Absorbed power - Cooling	kW	85,02	86,95	88,88
Max absorbed power - Cooling	kW	130,00	131,00	132,00
Absorbed current in cooling.	A	122,97	127,55	132,12
Max absorbed current - Cooling	A	214,70	216,35	218,00
Absorbed power - Heating	kW	67,36	69,50	71,64
Max absorbed power - Heating	kW	119,60	120,60	121,60
Absorbed current in heating	A	111,25	114,78	118,31
Max absorbed current - Heating	A	197,52	199,17	200,82
EER energy class	W/W	2,73	2,71	2,70
COP energy class	W/W	3,44	3,40	3,35
SEER energy class	W/W	5,63	5,63	5,63
SCOP energy class	W/W	3,50	3,50	3,50
ηs,c %		222	222	222
ηs,h %		137	137	137
Ventilation				
Air flow (High)	m³/h	76000	76000	76000
Sound pressure level (High)	dB(A)	70	70	70
Sound power level (High)	dB(A)	96	96	96
Installation - Dimensions - Components				
Unit Dimensions WxDxH	mm	1410x750x1690+1410x750x1690+1410x750x1690+1410x750x1690		
Packaged unit dimensions WxDxH	mm	1515x850x1858+1515x850x1858+1515x850x1858+1515x850x1858		
Net weight / Gross weight	Kg	375/404+375/404+375/404+375/404		
Compressor type		DC Inverter Scroll	DC Inverter Scroll	DC Inverter Scroll
Quantity and type of the compressor	No.	8 INV	8 INV	8 INV
Refrigerant type		R410A	R410A	R410A
Pre-charged refrigerant qty.	Kg	40	40	40
Ø Liquid side refrigerant pipe	mm (inch)	22,20 (7/8)	25,40 (1)	25,40 (1)
Ø Gas recovery side refrigerant pipe	mm (inch)	44,50 (1-3/4)	50,80 (2)	50,80 (2)
Ø High-pressure refrigerant gas pipe	mm (inch)	41,30 (1-5/8)	44,50 (1-3/4)	44,50 (1-3/4)
Maximum piping length	m	1000	1000	1000
Max linear piping length (Equivalent/Real)	m	260/220	260/220	260/220
Max. drop between IU and OU (O.U. down/up)*1	m	110/90	110/90	110/90
Std. drop between IU and OU (O.U. up/down)*2	m	50/40	50/40	50/40
Max. drop between IU *3	m	30	30	30
Std. drop between IU *4	m	18	18	18
Static Pressure Fans	Pa	110	110	110
Connectable Indoor Capacity Ratio				
Indoor / Outdoor Capacity Ratio	%	50 - 130	50 - 130	50 - 130
Maximum number of connectable IUs	No.	64	64	64
External Temperature Operating Limits				
Cooling	°C	-5-50	-5-50	-5-50
Heating	°C	-23-21	-23-21	-23-21

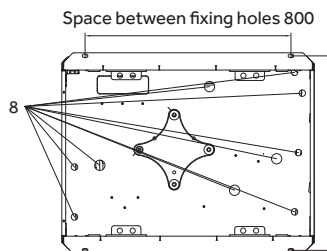
The specifications indicated are obtained with the following test conditions: in Cooling mode, Indoor temperature of 27°C DB / 19°C WB and Outdoor temperature of 35°C DB / 24°C WB. In Heating mode, Indoor temperature of 20°C WB and Outdoor temperature of 7°C DB / 6°C WB

The data in this catalogue is purely indicative as the data may vary.
Please be advised to check the accuracy of the data with the supplier before purchasing products.

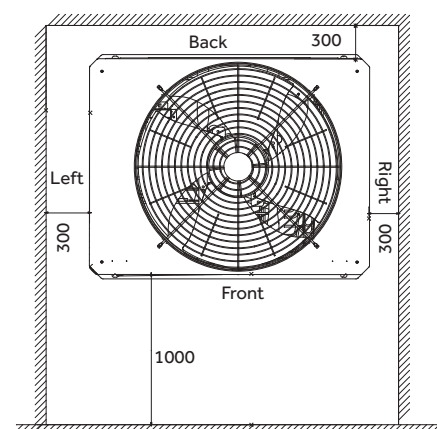
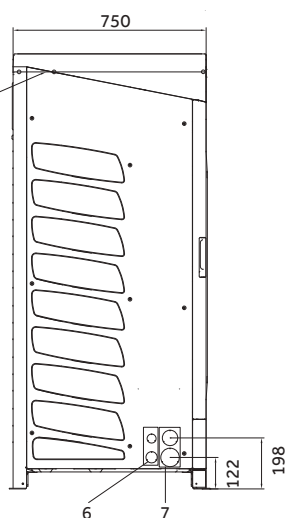
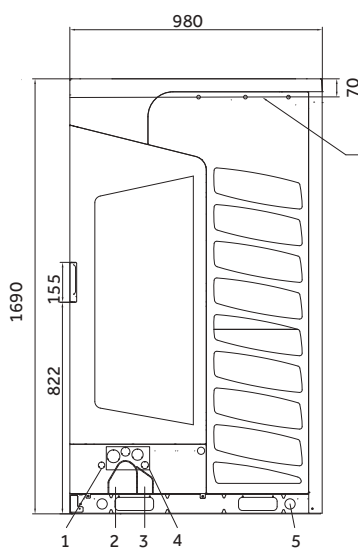
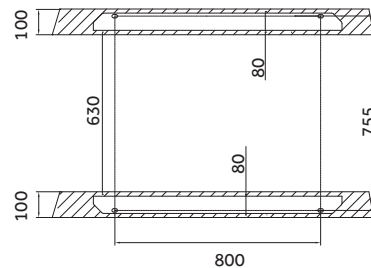
MRV OUTDOOR UNITS

AV08IM**A AV10IM**A AV12IM**A AV14IM**A AV16IM**A

Unit:mm



Space between fixing holes 755



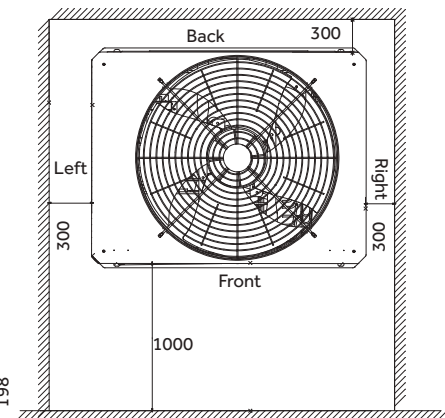
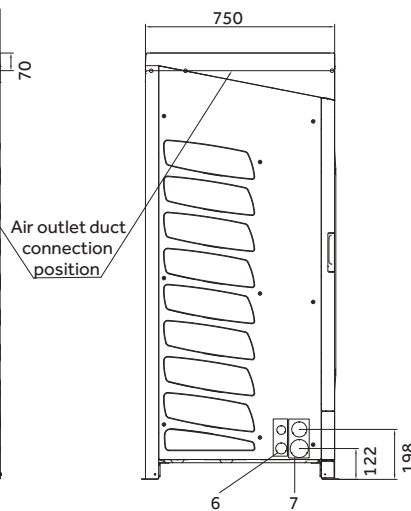
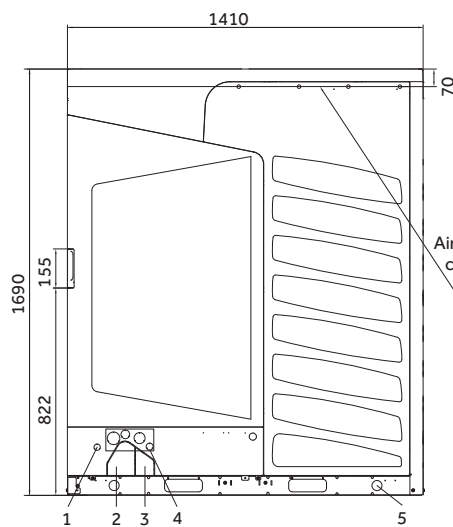
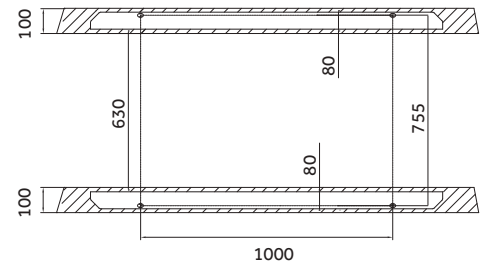
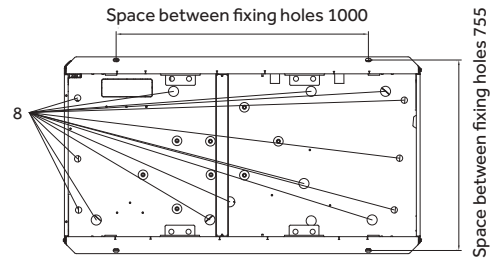
(*1) 50 m when the outdoor unit is above the indoor unit / 40 m when it is below

The specifications indicated are obtained with the following test conditions: in Cooling mode, Indoor temperature of 27°C WB / 19°C DB and Outdoor temperature of 35°C WB / 24°C DB. In Heating mode, Indoor temperature of 20°C WB and Outdoor temperature of 7°C WB / 6°C DB

MRV OUTDOOR UNITS

AV18IM**A AV20IM**A AV22IM**A AV24IM**A AV26IM**A

Unit:mm



(*1) 50 m when the outdoor unit is above the indoor unit / 40 m when it is below

The specifications indicated are obtained with the following test conditions: in Cooling mode, Indoor temperature of 27°C WB / 19°C DB and Outdoor temperature of 35°C WB / 24°C DB. In Heating mode, Indoor temperature of 20°C WB and Outdoor temperature of 7°C WB / 6°C DB

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Please be advised to check the accuracy of the data with the supplier before purchasing products.