

MRV 5-H - Outdoor Units



8-16HP

AV08NMVETA
AV10NMVETA
AV12NMVETA
AV14NMVETA
AV16NMVETA

Model		AV08NMVETA	AV10NMVETA	AV12NMVETA	AV14NMVETA	AV16NMVETA
Capacity						
Power Class	HP	8	10	12	14	16
Cooling	kW	25.2	28.0	33.5	40.0	45.0
Heating	kW	25.2	28.0	33.5	40.0	45.0
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	6.24	7.37	9.31	11.94	13.24
Max absorbed power - Cooling	kW	14.30	15.10	16.32	17.58	20.69
Absorbed current in cooling.	A	10.53	12.44	15.71	20.16	22.34
Max absorbed current - Cooling	A	23.81	25.14	27.17	29.27	34.50
Absorbed power - Heating	kW	5.56	6.32	7.71	9.71	10.92
Max absorbed power - Heating	kW	11.69	12.19	12.69	16.10	19.56
Absorbed current in heating	A	9.67	10.99	13.40	16.88	18.99
Max absorbed current - Heating	A	19.47	20.30	21.13	26.81	32.57
EER energy class	W/W	4.03	3.79	3.59	3.35	3.39
COP energy class	W/W	4.53	4.43	4.34	4.11	4.12
SEER energy class	W/W	7.25	7.09	6.69	6.60	6.36
SCOP energy class	W/W	4.27	4.24	4.21	4.19	4.16
Ventilation						
Air flow (High)	m ³ /h	11000	11000	12000	13500	13500
Sound pressure level (High)	dB(A)	56	56	59	59	60
Sound power level (High)	dB(A)	81	82	88	88	88
Installation - Dimensions - Components						
Unit Dimensions WxDxH	mm	980/750/1690				
Packaged unit dimensions WxDxH	mm	1070/850/1858				
Net weight / Gross weight	Kg	255/280				
Compressor type		DC Inverter Scroll	DC Inverter Scroll	DC Inverter Scroll	DC Inverter Scroll	DC Inverter Scroll
Quantity and type of the compressor	No.	1INV	1INV	1INV	1INV	1INV
Refrigerant type		R410A	R410A	R410A	R410A	R410A
Pre-charged refrigerant qty.	Kg	10	10	10	10	10
Ø Liquid side refrigerant pipe	mm	9.52	9.52	12.7	12.7	12.7
Ø Gas side refrigerant pipe	mm	19.05	22.22	25.4	25.4	28.58
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
Standard height difference between IU and OU	m	50/40	50/40	50/40	50/40	50/40
Standard height difference between IU and IU	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.	13	16	20	24	27
External Temperature Operating Limits						
Cooling	°C	-5-52				
Heating	°C	-27-21				

MRV 5-H - Outdoor Units



18-26HP

AV18NMVETA
AV20NMVETA
AV22NMVETA
AV24NMVETA
AV26NMVETA

Model		AV18NMVETA	AV20NMVETA	AV22NMVETA	AV24NMVETA	AV26NMVETA
Capacity						
Power Class	HP	18	20	22	24	26
Cooling	kW	50.4	56.0	61.5	68.0	73.5
Heating	kW	50.4	56.0	61.5	68.0	73.5
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	15.70	16.62	18.30	21.94	24.75
Max absorbed power - Cooling	kW	25.90	28.91	31.82	32.81	35.35
Absorbed current in cooling.	A	26.51	28.05	30.90	31.42	35.87
Max absorbed current - Cooling	A	40.30	46.30	51.91	54.12	58.86
Absorbed power – Heating	kW	12.81	14.23	16.14	18.86	21.62
Max absorbed power – Heating	kW	21.93	24.70	25.69	30.40	32.45
Absorbed current in heating	A	22.27	24.75	28.06	32.80	37.60
Max absorbed current – Heating	A	36.51	41.13	42.78	50.62	54.03
EER energy class	W/W	3.21	3.36	3.36	3.09	2.96
COP energy class	W/W	3.93	3.93	3.81	3.6	3.39
SEER energy class	W/W	6.78	6.75	6.54	5.97	5.68
SCOP energy class	W/W	4.31	4.38	4.39	4.34	3.88
Ventilation						
Air flow (High)	m ³ /h	17000	17000	18000	18000	19000
Sound pressure level (High)	dB(A)	61	61	61	62	62
Sound power level (High)	dB(A)	88	88	88	90	90
Installation - Dimensions - Components						
Unit Dimensions WxDxH	mm	1410/750/1690				
Packaged unit dimensions WxDxH	mm	1515/850/1858				
Net weight / Gross weight	Kg	385/410				
Compressor type		DC Inverter Scroll	DC Inverter Scroll	DC Inverter Scroll	DC Inverter Scroll	DC Inverter Scroll
Quantity and type of the compressor	No.	2INV	2INV	2INV	2INV	2INV
Refrigerant type		R410A	R410A	R410A	R410A	R410A
Pre-charged refrigerant qty.	Kg	10	10	10	10	10
Ø Liquid side refrigerant pipe	mm	15.88	15.88	15.88	15.88	15.88
Ø Gas side refrigerant pipe	mm	28.58	28.58	28.58	28.58	28.58
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
Standard height difference between IU and OU	m	50/40	50/40	50/40	50/40	50/40
Standard height difference between IU and IU	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.	30	33	36	40	43
External Temperature Operating Limits						
Cooling	°C	-5-52				
Heating	°C	-27-21				

MRV 5-H - Outdoor Units



28-32 HP

AV14NMVETA

AV16NMVETA

Model		AV28NMVETA AV14NMVETA AV14NMVETA	AV30NMVETA AV14NMVETA AV16NMVETA	AV32NMVETA AV16NMVETA AV16NMVETA
Capacity				
Power Class	HP	28	30	32
Cooling	kW	80.0	85.0	90.0
Heating	kW	80.0	85.0	90.0
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	23.88	25.18	26.47
Max absorbed power - Cooling	kW	35.16	38.27	41.38
Absorbed current in cooling.	A	40.32	42.50	44.69
Max absorbed current - Cooling	A	58.54	69.00	80.60
Absorbed power - Heating	kW	19.42	20.63	21.84
Max absorbed power - Heating	kW	32.20	39.12	43.86
Absorbed current in heating	A	33.76	35.87	37.98
Max absorbed current - Heating	A	53.61	65.14	73.03
EER energy class	W/W	3.35	3.37	3.4
COP energy class	W/W	4.11	4.12	4.12
SEER energy class	W/W	5.68	6.54	6.42
SCOP energy class	W/W	4.31	4.19	4.10
Ventilation				
Air flow (High)	m ³ /h	27000	27000	27000
Sound pressure level (High)	dB(A)	62	62.5	63
Sound power level (High)	dB(A)	91	91	91
Installation - Dimensions - Components				
Unit Dimensions WxDxH	mm	980/750/1690+980/750/1690		
Packaged unit dimensions WxDxH	mm	1070/850/1858+1070/850/1858		
Net weight / Gross weight	Kg	255/280+255/280		
Compressor type		DC Inverter Scroll	DC Inverter Scroll	DC Inverter Scroll
Quantity and type of the compressor	No.	2INV	2INV	2INV
Refrigerant type		R410A	R410A	R410A
Pre-charged refrigerant qty.	Kg	20	20	20
Ø Liquid side refrigerant pipe	mm	15.88	19.05	19.05
Ø Gas side refrigerant pipe	mm	28.58	31.8	31.8
Maximum piping length	m	1000	1000	1000
Max linear piping length (Equivalent/Real)	m	260/220	260/220	260/220
Standard height difference between IU and OU	m	50/40	50/40	50/40
Standard height difference between IU and IU	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.	47	50	53
External Temperature Operating Limits				
Cooling	°C		-5-52	
Heating	°C		-27-21	