



8-16HP

AV08NMVETA
AV10NMVETA
AV12NMVETA
AV14NMVETA
AV16NMVETA

Model		AV08NMVETA	AV10NMVETA	AV12NMVETA	AV14NMVETA	AV16NMVETA
Capacity						
Power Class	HP	8	10	12	14	16
Cooling	kW	25,20	28,00	33,50	40,00	45,00
Heating	kW	25,20	28,00	33,50	40,00	45,00
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	6,24	7,37	10,15	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	17,14	20,16	22,34
Max absorbed current - Cooling	A	23,81	25,14	27,17	29,27	34,50
Absorbed power - Heating	kW	5,73	6,51	8,59	10,00	11,25
Max absorbed power - Heating	kW	11,69	12,19	12,69	16,10	19,56
Absorbed current in heating	A	9,67	10,99	14,50	16,88	18,99
Max absorbed current - Heating	A	19,47	20,30	21,13	26,81	32,57
EER energy class	W/W	4,04	3,80	3,30	3,35	3,40
COP energy class	W/W	4,53	4,43	4,02	4,12	4,12
SEER energy class	W/W	7,25	7,09	6,69	6,60	6,36
SCOP energy class	W/W	4,41	4,31	4,31	4,12	4,05
ηs,c %		287	281	265	261	251
ηs,h %		173	169	169	162	159
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	980x750x1690				
Packaged unit dimensions WxDxH	mm	1070x850x1858				
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 (inch)	9,52 (3/8)	9,52 (3/8)	12,70 (1/2)	12,70 (1/2)	12,70 (1/2)
Ø Gas side refrigerant pipe	mm (inch)	19,05 (3/4)	22,22 (7/8)	25,40 (1)	25,40 (1)	28,58 (1-1/8)
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
Max. drop between IU and OU (O.U. down/up)*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.	13	16	20	24	27
External Temperature Operating Limits						
Cooling	°C	-5-52	-5-52	-5-52	-5-52	-5-52
Heating	°C	-27-21	-27-21	-27-21	-27-21	-27-21

Outdoor Units

MRV5-H

DC INVERTER



18-26HP

AV18NMVETA
AV20NMVETA
AV22NMVETA
AV24NMVETA
AV26NMVETA

		AV18NMVETA	AV20NMVETA	AV22NMVETA	AV24NMVETA	AV26NMVETA
Capacity						
Power Class	HP	18	20	22	24	26
Cooling	kW	50,40	56,00	61,50	68,00	73,50
Heating	kW	50,40	56,00	61,50	68,00	73,50
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	15,60	16,62	20,16	22,67	36,75
Max absorbed power - Cooling	kW	25,90	28,91	31,82	32,81	37,80
Absorbed current in cooling	A	26,34	28,05	34,03	37,65	59,24
Max absorbed current - Cooling	A	40,30	46,30	51,91	54,12	61,91
Absorbed power - Heating	kW	13,19	14,66	18,64	19,43	26,25
Max absorbed power - Heating	kW	21,93	24,70	25,69	30,40	32,45
Absorbed current in heating	A	22,27	24,75	31,46	32,80	44,32
Max absorbed current - Heating	A	36,51	41,13	42,78	50,62	54,03
EER energy class	W/W	3,23	3,37	3,05	3,00	2,00
COP energy class	W/W	3,93	3,93	3,40	3,61	2,88
SEER energy class	W/W	6,78	6,75	6,54	5,83	4,90
SCOP energy class	W/W	4,15	4,20	4,21	4,17	3,50
$\eta_{s,c}$ %		268	267	259	230	193
$\eta_{s,h}$ %		163	165	165	164	137
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	1410x750x1690				
Packaged unit dimensions WxDxH	mm	1515x850x1858				
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 (inch)	15,88 (5/8)	15,88 (5/8)	15,88 (5/8)	15,88 (5/8)	15,88 (5/8)
Ø Gas 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)	28,58 (1-1/8)
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
Max. drop between IU and OU (O.U. down/up)*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.	30	33	36	40	43
External Temperature Operating Limits						
Cooling	°C	-5-52	-5-52	-5-52	-5-52	-5-52
Heating	°C	-27-21	-27-21	-27-21	-27-21	-27-21

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.



28-32 HP

AV14NMVETA

AV16NMVETA

Model		AV28NMVETA AV14NMVETA AV14NMVETA	AV30NMVETA AV14NMVETA AV16NMVETA	AV32NMVETA AV16NMVETA AV16NMVETA
Capacity				
Power Class	HP	28	30	32
Cooling	kW	80,00	85,00	90,00
Heating	kW	80,00	85,00	90,00
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	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	63,77	69,00
Absorbed power - Heating	kW	20,00	21,25	22,50
Max absorbed power - Heating	kW	32,20	35,66	39,12
Absorbed current in heating	A	33,76	35,87	37,98
Max absorbed current - Heating	A	53,61	59,38	65,14
EER energy class	W/W	3,35	3,38	3,40
COP energy class	W/W	4,12	4,12	4,12
SEER energy class	W/W	6,60	6,36	6,36
SCOP energy class	W/W	4,12	4,05	4,05
η _{s,c} %		261	251	251
η _{s,h} %		162	159	159
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	980x750x1690+980x750x1690		
Packaged unit dimensions WxDxH	mm	1070x850x1858+1070x850x1858		
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 (inch)	15,88 (5/8)	19,05 (3/4)	19,05 (3/4)
Ø Gas side refrigerant pipe	mm (inch)	28,58 (1-1/8)	31,80 (1-1/4)	31,80 (1-1/4)
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
Max. drop between IU and OU (O.U. down/up)*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.	47	50	53
External Temperature Operating Limits				
Cooling	°C	-5-52	-5-52	-5-52
Heating	°C	-27-21	-27-21	-27-21

Outdoor Units

MRV5-H

DC INVERTER



34-38HP

AV14NMVETA

AV18NMVETA

AV20NMVETA

Model		AV34NMVETA AV16NMVETA AV16NMVETA	AV36NMVETA AV18NMVETA AV18NMVETA	AV38NMVETA AV18NMVETA AV20NMVETA
Capacity				
Power Class	HP	34	36	38
Cooling	kW	95,40	100,80	106,40
Heating	kW	95,40	100,80	106,40
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	28,84	31,20	32,22
Max absorbed power - Cooling	kW	46,59	51,80	54,81
Absorbed current in cooling	A	48,68	52,67	54,39
Max absorbed current - Cooling	A	74,80	80,60	86,60
Absorbed power - Heating	kW	24,44	26,39	27,85
Max absorbed power - Heating	kW	41,49	43,86	46,63
Absorbed current in heating	A	41,27	44,55	47,02
Max absorbed current - Heating	A	69,08	73,03	77,64
EER energy class	W/W	3,31	3,23	3,30
COP energy class	W/W	4,02	3,93	3,93
SEER energy class	W/W	6,36	6,78	6,75
SCOP energy class	W/W	4,05	4,15	4,15
$\eta_{s,c}$ %		251	268	267
$\eta_{s,h}$ %		159	163	163
Ventilation				
Air flow (High)	m ³ /h	27000	34000	34000
Sound pressure level (High)	dB(A)	63,5	64	64
Sound power level (High)	dB(A)	91	91	91
Installation - Dimensions - Components				
Unit Dimensions WxDxH	mm	980x750x1690+1410x750x1690	1410x750x1690+1410x750x1690	
Packaged unit dimensions WxDxH	mm	1070x850x1858+1485x850x1858	1485x850x1858+1485x850x1858	
Net weight / Gross weight	Kg	255/280+385/410	385/410+385/410	
Compressor type		DC Inverter Scroll	DC Inverter Scroll	DC Inverter Scroll
Quantity and type of the compressor	No.	3INV	4INV	4INV
Refrigerant type		R410A	R410A	R410A
Pre-charged refrigerant qty.	Kg	20	20	20
Ø Liquid side refrigerant pipe	mm (inch)	19,05 (3/4)	19,05 (3/4)	19,05 (3/4)
Ø Gas side refrigerant pipe	mm (inch)	31,80 (1-1/4)	38,10 (1-1/2)	38,10 (1-1/2)
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
Max. drop between IU and OU (O.U. down/up)*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.	56	59	63
External Temperature Operating Limits				
Cooling	°C	-5-52	-5-52	-5-52
Heating	°C	-27-21	-27-21	-27-21

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.



40-48HP

AV20NMVETA

AV22NMVETA

AV24NMVETA

Model		AV40NMVETA AV20NMVETA AV20NMVETA	AV42NMVETA AV20NMVETA AV22NMVETA	AV44NMVETA AV22NMVETA AV22NMVETA	AV46NMVETA AV22NMVETA AV24NMVETA	AV48NMVETA AV24NMVETA AV24NMVETA
Capacity						
Power Class	HP	40	42	44	46	48
Cooling	kW	112,00	117,50	123,00	129,50	136,00
Heating	kW	112,00	117,50	123,00	129,50	136,00
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	33,23	36,78	40,32	42,83	45,34
Max absorbed power - Cooling	kW	57,82	60,73	63,64	64,63	65,62
Absorbed current in cooling.	A	56,11	62,09	68,07	71,68	75,30
Max absorbed current - Cooling	A	92,60	98,21	103,82	106,03	108,24
Absorbed power - Heating	kW	29,32	33,30	37,27	38,06	38,86
Max absorbed power - Heating	kW	49,40	50,39	51,38	56,09	60,80
Absorbed current in heating	A	49,50	56,21	62,92	64,26	65,60
Max absorbed current - Heating	A	82,25	83,90	85,55	93,39	101,23
EER energy class	W/W	3,37	3,19	3,05	3,02	3,00
COP energy class	W/W	3,93	3,64	3,40	3,50	3,61
SEER energy class	W/W	6,75	6,54	6,54	5,83	5,83
SCOP energy class	W/W	4,20	4,20	4,21	4,17	4,17
ηs,c %		267	259	259	230	230
ηs,h %		165	165	165	164	164
Ventilation						
Air flow (High)	m³/h	34000	35000	36000	36000	36000
Sound pressure level (High)	dB(A)	64	64	64	64,5	65
Sound power level (High)	dB(A)	91	92	93	93	93
Installation - Dimensions - Components						
Unit Dimensions WxDxH	mm	1410x750x1690+1410x750x1690				
Packaged unit dimensions WxDxH	mm	1485x850x1858+1485x850x1858				
Net weight / Gross weight	Kg	385/410+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.	4INV	4INV	4INV	4INV	4INV
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 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)
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	110/90	110/90	110/90	110/90	110/90
Standard height difference between IU and IU	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		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	-5-52	-5-52	-5-52	-5-52	-5-52
Heating	°C	-27-21	-27-21	-27-21	-27-21	-27-21

Outdoor Units

MRV5-H

DC INVERTER



50-56HP

AV18NMVETA
AV20NMVETA
AV24NMVETA
AV26NMVETA

Model		AV50NMVETA AV24NMVETA AV26NMVETA	AV52NMVETA AV26NMVETA AV26NMVETA	AV54NMVETA AV18NMVETA AV18NMVETA AV18NMVETA	AV56NMVETA AV18NMVETA AV18NMVETA AV20NMVETA
Capacity					
Power Class	HP	50	52	54	56
Cooling	kW	141,50	147,00	151,20	156,80
Heating	kW	141,50	147,00	151,20	156,80
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	59,42	73,50	46,80	47,82
Max absorbed power - Cooling	kW	70,61	75,60	77,70	80,71
Absorbed current in cooling.	A	96,89	118,48	79,01	80,73
Max absorbed current - Cooling	A	116,03	123,82	120,90	126,90
Absorbed power - Heating	kW	45,68	52,50	39,58	41,05
Max absorbed power - Heating	kW	62,85	64,90	65,79	68,56
Absorbed current in heating	A	77,11	88,63	66,82	69,30
Max absorbed current - Heating	A	104,65	108,06	109,54	114,15
EER energy class	W/W	2,38	2,00	3,23	3,28
COP energy class	W/W	3,19	2,88	3,93	3,93
SEER energy class	W/W	4,90	4,90	6,78	6,75
SCOP energy class	W/W	3,50	3,50	4,15	4,15
$\eta_{s,c}$ %		193	193	268	267
$\eta_{s,h}$ %		137	137	163	163
Ventilation					
Air flow (High)	m ³ /h	37000	38000	51000	51000
Sound pressure level (High)	dB(A)	65	65	65,8	65,8
Sound power level (High)	dB(A)	93	93	93	93
Installation - Dimensions - Components					
Unit Dimensions WxDxH	mm	1410x750x1690+1410x750x1690		1410x750x1690+1410x750x1690+1410x750x1690	
Packaged unit dimensions WxDxH	mm	1485x850x1858+1485x850x1858		1485x850x1858+1485x850x1858+1485x850x1858	
Net weight / Gross weight	Kg	385/410+385/410		385/410+385/410+385/410	
Compressor type		DC Inverter Scroll	DC Inverter Scroll	DC Inverter Scroll	DC Inverter Scroll
Quantity and type of the compressor	No.	4INV	4INV	6INV	6INV
Refrigerant type		R410A	R410A	R410A	R410A
Pre-charged refrigerant qty.	Kg	20	20	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)
Ø Gas 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)
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
Standard height difference between IU and IU	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	-5-52	-5-52	-5-52	-5-52
Heating	°C	-27-21	-27-21	-27-21	-27-21



58-64HP

AV18NMVETA

AV20NMVETA

AV22NMVETA

Model		AV58NMVETA AV18NMVETA AV20NMVETA AV20NMVETA	AV60NMVETA AV20NMVETA AV20NMVETA AV20NMVETA	AV62NMVETA AV20NMVETA AV20NMVETA AV22NMVETA	AV64NMVETA AV20NMVETA AV22NMVETA AV22NMVETA
Capacity					
Power Class	HP	58	60	62	64
Cooling	kW	162,40	168,00	173,50	179,00
Heating	kW	162,40	168,00	173,50	179,00
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	48,83	49,85	53,39	56,94
Max absorbed power - Cooling	kW	83,72	86,73	89,64	92,55
Absorbed current in cooling	A	82,44	84,16	90,14	96,12
Max absorbed current - Cooling	A	132,90	138,90	144,51	150,12
Absorbed power - Heating	kW	42,51	42,98	47,96	51,93
Max absorbed power - Heating	kW	71,33	74,10	75,09	76,08
Absorbed current in heating	A	71,77	74,25	80,96	87,67
Max absorbed current - Heating	A	118,76	123,38	125,03	126,68
EER energy class	W/W	3,33	3,37	3,25	3,14
COP energy class	W/W	3,93	3,93	3,73	3,55
SEER energy class	W/W	6,75	6,75	6,54	6,54
SCOP energy class	W/W	4,15	4,20	4,20	4,20
ηs,c %		267	267	259	259
ηs,h %		163	165	165	165
Ventilation					
Air flow (High)	m³/h	51000	51000	52000	53000
Sound pressure level (High)	dB(A)	65,8	65,8	65,8	65,8
Sound power level (High)	dB(A)	93	93	93,5	94
Installation - Dimensions - Components					
Unit Dimensions WxDxH	mm	1410x750x1690+1410x750x1690+1410x750x1690			
Packaged unit dimensions WxDxH	mm	1485x850x1858+1485x850x1858+1485x850x1858			
Net weight / Gross weight	Kg	385/410+385/410+385/410			
Compressor type		DC Inverter Scroll	DC Inverter Scroll	DC Inverter Scroll	DC Inverter Scroll
Quantity and type of the compressor	No.	6INV	6INV	6INV	6INV
Refrigerant type		R410A	R410A	R410A	R410A
Pre-charged refrigerant qty.	Kg	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)
Ø Gas 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)
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	-5-52	-5-52	-5-52	-5-52
Heating	°C	-27-21	-27-21	-27-21	-27-21

Outdoor Units

MRV5-H

DC INVERTER



66-72HP

AV22NMVETA

AV24NMVETA

Model		AV66NMVETA AV22NMVETA AV22NMVETA AV22NMVETA	AV68NMVETA AV22NMVETA AV22NMVETA AV24NMVETA	AV70NMVETA AV22NMVETA AV24NMVETA AV24NMVETA	AV72NMVETA AV24NMVETA AV24NMVETA AV24NMVETA
Capacity					
Power Class	HP	66	68	70	72
Cooling	kW	184,50	191,00	197,50	204,00
Heating	kW	184,50	191,00	197,50	204,00
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	60,48	62,99	65,50	68,01
Max absorbed power - Cooling	kW	95,46	96,45	97,44	98,43
Absorbed current in cooling	A	102,10	105,72	109,33	112,95
Max absorbed current - Cooling	A	155,73	157,94	160,15	162,36
Absorbed power - Heating	kW	55,91	56,70	57,49	58,29
Max absorbed power - Heating	kW	77,08	81,78	86,49	91,20
Absorbed current in heating	A	94,39	95,72	97,06	98,40
Max absorbed current - Heating	A	128,33	136,17	144,01	151,85
EER energy class	W/W	3,05	3,03	3,02	3,00
COP energy class	W/W	3,40	3,47	3,54	3,61
SEER energy class	W/W	6,54	5,83	5,83	5,83
SCOP energy class	W/W	4,21	4,17	4,17	4,17
η _{s,c} %		259	230	230	230
η _{s,h} %		165	164	164	164
Ventilation					
Air flow (High)	m ³ /h	54000	54000	54000	54000
Sound pressure level (High)	dB(A)	65,8	66	66,5	66,8
Sound power level (High)	dB(A)	95	95	95	95
Installation - Dimensions - Components					
Unit Dimensions WxDxH	mm	1410x750x1690+1410x750x1690+1410x750x1690			
Packaged unit dimensions WxDxH	mm	1485x850x1858+1485x850x1858+1485x850x1858			
Net weight / Gross weight	Kg	385/410+385/410+385/410			
Compressor type		DC Inverter Scroll	DC Inverter Scroll	DC Inverter Scroll	DC Inverter Scroll
Quantity and type of the compressor	No.	6INV	6INV	6INV	6INV
Refrigerant type		R410A	R410A	R410A	R410A
Pre-charged refrigerant qty.	Kg	30	30	30	30
Ø Liquid side refrigerant pipe	mm	19,05 (3/4)	22,20 (7/8)	22,20 (7/8)	22,20 (7/8)
Ø Gas side refrigerant pipe	mm	41,30 (1-5/8)	44,50 (1-3/4)	44,50 (1-3/4)	44,50 (1-3/4)
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	-5-52	-5-52	-5-52	-5-52
Heating	°C	-27-21	-27-21	-27-21	-27-21



74-78HP

AV24NMVETA

AV26NMVETA

Model		AV74NMVETA AV24NMVETA AV24NMVETA AV26NMVETA	AV76NMVETA AV24NMVETA AV26NMVETA AV26NMVETA	AV78NMVETA AV26NMVETA AV26NMVETA AV26NMVETA
Capacity				
Power Class	HP	74	76	78
Cooling	kW	209,50	215,00	220,50
Heating	kW	209,50	215,00	220,50
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	82,09	96,17	110,25
Max absorbed power - Cooling	kW	103,42	108,41	113,40
Absorbed current in cooling	A	134,54	156,13	177,72
Max absorbed current - Cooling	A	170,15	177,94	185,73
Absorbed power - Heating	kW	65,11	71,93	78,75
Max absorbed power - Heating	kW	93,25	95,30	97,35
Absorbed current in heating	A	109,91	121,43	132,95
Max absorbed current - Heating	A	155,26	158,67	162,09
EER energy class	W/W	2,55	2,24	2,00
COP energy class	W/W	3,31	3,08	2,88
SEER energy class	W/W	4,90	4,90	4,90
SCOP energy class	W/W	3,50	3,50	3,50
η _{s,c} %		193	193	193
η _{s,h} %		137	137	137
Ventilation				
Air flow (High)	m ³ /h	55000	56000	57000
Sound pressure level (High)	dB(A)	66,8	66,8	66,8
Sound power level (High)	dB(A)	95	95	95
Installation - Dimensions - Components				
Unit Dimensions WxDxH	mm	1410x750x1690+1410x750x1690+1410x750x1690		
Packaged unit dimensions WxDxH	mm	1485x850x1858+1485x850x1858+1485x850x1858		
Net weight / Gross weight	Kg	385/410+385/410+385/410		
Compressor type		DC Inverter Scroll	DC Inverter Scroll	DC Inverter Scroll
Quantity and type of the compressor	No.	6INV	6INV	6INV
Refrigerant type		R410A	R410A	R410A
Pre-charged refrigerant qty.	Kg	30	30	30
Ø Liquid side refrigerant pipe	mm	22,20 (7/8)	22,20 (7/8)	22,20 (7/8)
Ø Gas side refrigerant pipe	mm	44,50 (1-3/4)	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		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	-5-52	-5-52	-5-52
Heating	°C	-27-21	-27-21	-27-21

Outdoor Units

MRV5-H

DC INVERTER



80-86HP

AV20NMVETA

AV22NMVETA

Model		AV80NMVETA AV20NMVETA AV20NMVETA AV20NMVETA AV20NMVETA	AV82NMVETA AV20NMVETA AV20NMVETA AV20NMVETA AV22NMVETA	AV84NMVETA AV20NMVETA AV20NMVETA AV22NMVETA AV22NMVETA	AV86NMVETA AV20NMVETA AV22NMVETA AV22NMVETA AV22NMVETA
Capacity					
Power Class	HP	80	82	84	86
Cooling	kW	224,00	229,50	235,00	240,50
Heating	kW	224,00	229,50	235,00	240,50
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	66,47	70,01	73,55	77,10
Max absorbed power - Cooling	kW	115,64	118,55	121,46	124,37
Absorbed current in cooling	A	112,21	118,19	124,18	130,16
Max absorbed current - Cooling	A	185,20	190,81	196,42	202,03
Absorbed power - Heating	kW	58,64	62,62	66,59	70,57
Max absorbed power - Heating	kW	98,80	99,79	100,78	101,78
Absorbed current in heating	A	98,99	105,71	112,42	119,13
Max absorbed current - Heating	A	164,50	166,15	167,81	169,46
EER energy class	W/W	3,37	3,28	3,19	3,12
COP energy class	W/W	3,93	3,78	3,64	3,51
SEER energy class	W/W	6,75	6,54	6,54	6,54
SCOP energy class	W/W	4,20	4,20	4,20	4,20
η _{s,c} %		267	259	259	259
η _{s,h} %		165	165	165	165
Ventilation					
Air flow (High)	m ³ /h	68000	69000	70000	71000
Sound pressure level (High)	dB(A)	67	67	67	67
Sound power level (High)	dB(A)	94	95	95	96
Installation - Dimensions - Components					
Unit Dimensions WxDxH	mm	1410x750x1690+1410x750x1690+1410x750x1690+1410x750x1690			
Packaged unit dimensions WxDxH	mm	1485x850x1858+1485x850x1858+1485x850x1858+1485x850x1858			
Net weight / Gross weight	Kg	385/410+385/410+385/410+385/410			
Compressor type		DC Inverter Scroll	DC Inverter Scroll	DC Inverter Scroll	DC Inverter Scroll
Quantity and type of the compressor	No.	8INV	8INV	8INV	8INV
Refrigerant type		R410A	R410A	R410A	R410A
Pre-charged refrigerant qty.	Kg	40	40	40	40
Ø Liquid side refrigerant pipe	mm	22,20 (7/8)	22,20 (7/8)	22,20 (7/8)	25,40 (1)
Ø Gas side refrigerant pipe	mm	44,50 (1-3/4)	44,50 (1-3/4)	44,50 (1-3/4)	50,80 (2)
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	-5-52	-5-52	-5-52	-5-52
Heating	°C	-27-21	-27-21	-27-21	-27-21



88-96HP

AV22NMVETA

AV24NMVETA

Model		AV88NMVETA AV22NMVETA AV22NMVETA AV22NMVETA AV22NMVETA	AV90NMVETA AV22NMVETA AV22NMVETA AV22NMVETA AV24NMVETA	AV92NMVETA AV22NMVETA AV22NMVETA AV24NMVETA AV24NMVETA	AV94NMVETA AV22NMVETA AV24NMVETA AV24NMVETA AV24NMVETA	AV96NMVETA AV24NMVETA AV24NMVETA AV24NMVETA AV24NMVETA
Capacity						
Power Class	HP	88	90	92	94	96
Cooling	kW	246,00	252,50	259,00	265,50	272,00
Heating	kW	246,00	252,50	259,00	265,50	272,00
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	80,64	83,15	85,66	88,17	90,68
Max absorbed power - Cooling	kW	127,28	128,27	129,26	130,25	131,24
Absorbed current in cooling	A	136,14	139,75	143,37	146,98	150,60
Max absorbed current - Cooling	A	207,64	209,85	212,06	214,27	216,48
Absorbed power - Heating	kW	74,55	75,34	76,13	76,92	77,71
Max absorbed power - Heating	kW	102,77	107,48	112,18	116,89	121,60
Absorbed current in heating	A	125,85	127,19	128,52	129,86	131,20
Max absorbed current - Heating	A	171,11	178,95	186,79	194,63	202,46
EER energy class	W/W	3,05	3,04	3,02	3,01	3,00
COP energy class	W/W	3,40	3,45	3,50	3,56	3,61
SEER energy class	W/W	6,54	5,83	5,83	5,83	5,83
SCOP energy class	W/W	4,21	4,17	4,17	4,17	4,17
ηs,c %		259	230	230	230	230
ηs,h %		165	164	164	164	164
Ventilation						
Air flow (High)	m ³ /h	72000	72000	72000	72000	72000
Sound pressure level (High)	dB(A)	67	67,5	67,5	68	68
Sound power level (High)	dB(A)	96	96	96	96	96
Installation - Dimensions - Components						
Unit Dimensions WxDxH	mm	1410x750x1690+1410x750x1690+1410x750x1690+1410x750x1690				
Packaged unit dimensions WxDxH	mm	1485x850x1858+1485x850x1858+1485x850x1858+1485x850x1858				
Net weight / Gross weight	Kg	385/410+385/410+385/410+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.	8INV	8INV	8INV	8INV	8INV
Refrigerant type		R410A	R410A	R410A	R410A	R410A
Pre-charged refrigerant qty.	Kg	40	40	40	40	40
Ø Liquid side refrigerant pipe	mm (inch)	25,40 (1)	25,40 (1)	25,40 (1)	25,40 (1)	25,40 (1)
Ø Gas side refrigerant pipe	mm (inch)	50,80 (2)	50,80 (2)	50,80 (2)	50,80 (2)	50,80 (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		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		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	-5-52	-5-52	-5-52	-5-52	-5-52
Heating	°C	-27-21	-27-21	-27-21	-27-21	-27-21

Outdoor Units

MRV5-H

DC INVERTER



98-104HP

AV24NMVETA

AV26NMVETA

Model		AV98NMVETA AV24NMVETA AV24NMVETA AV24NMVETA AV26NMVETA	AV100NMVETA AV24NMVETA AV24NMVETA AV26NMVETA AV26NMVETA	AV102NMVETA AV24NMVETA AV26NMVETA AV26NMVETA AV26NMVETA	AV104NMVETA AV26NMVETA AV26NMVETA AV26NMVETA AV26NMVETA
Capacity					
Power Class	HP	98	100	102	104
Cooling	kW	277,50	283,00	288,50	294,00
Heating	kW	277,50	283,00	288,50	294,00
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	104,76	118,84	132,92	147,00
Max absorbed power - Cooling	kW	136,23	141,22	146,21	151,20
Absorbed current in cooling	A	172,19	193,78	215,37	236,96
Max absorbed current - Cooling	A	224,27	232,06	239,85	247,64
Absorbed power - Heating	kW	84,54	91,36	98,18	105,00
Max absorbed power - Heating	kW	123,65	125,70	127,75	129,80
Absorbed current in heating	A	142,71	154,23	165,75	177,26
Max absorbed current - Heating	A	205,88	209,29	212,70	216,12
EER energy class	W/W	2,65	2,38	2,17	2,00
COP energy class	W/W	3,38	3,19	3,02	2,88
SEER energy class	W/W	4,90	4,90	4,90	4,90
SCOP energy class	W/W	3,50	3,50	3,50	3,50
η _{s,c} %		193	193	193	193
η _{s,h} %		137	137	137	137
Ventilation					
Air flow (High)	m ³ /h	73000	74000	75000	76000
Sound pressure level (High)	dB(A)	68	68	68	68
Sound power level (High)	dB(A)	96	96	96	96
Installation - Dimensions - Components					
Unit Dimensions WxDxH	mm	1410x750x1690+1410x750x1690+1410x750x1690+1410x750x1690			
Packaged unit dimensions WxDxH	mm	1485x850x1858+1485x850x1858+1485x850x1858+1485x850x1858			
Net weight / Gross weight	Kg	385/410+385/410+385/410+385/410			
Compressor type		DC Inverter Scroll	DC Inverter Scroll	DC Inverter Scroll	DC Inverter Scroll
Quantity and type of the compressor	No.	8INV	8INV	8INV	8INV
Refrigerant type		R410A	R410A	R410A	R410A
Pre-charged refrigerant qty.	Kg	40	40	40	40
Ø Liquid side refrigerant pipe	mm	25,40 (1)	25,40 (1)	25,40 (1)	25,40 (1)
Ø Gas side refrigerant pipe	mm	54,10 (2-1/8)	54,10 (2-1/8)	54,10 (2-1/8)	54,10 (2-1/8)
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	-5-52	-5-52	-5-52	-5-52
Heating	°C	-27-21	-27-21	-27-21	-27-21