



8-16HP

AV08IMVEVA  
AV10IMVEVA  
AV12IMVEVA  
AV14IMVEVA  
AV16IMVEVA

Model		AV08IMVEVA	AV10IMVEVA	AV12IMVEVA	AV14IMVEVA	AV16IMVEVA
<b>Capacity</b>						
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
<b>Electrical Parameters</b>						
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	10,15	11,94	13,24
Max absorbed power - Cooling	kW	10,08	11,56	13,80	16,40	19,20
Absorbed current in cooling	A	10,53	12,44	17,14	20,16	22,34
Max absorbed current - Cooling	A	17,02	19,52	23,30	27,69	32,41
Absorbed power - Heating	kW	5,73	6,51	8,59	10,00	11,25
Max absorbed power - Heating	kW	9,90	11,25	12,50	15,10	18,40
Absorbed current in heating	A	9,67	10,99	14,52	16,88	18,99
Max absorbed current - Heating	A	16,70	18,99	21,10	25,49	31,06
EER energy class	W/W	4,04	3,80	3,30	3,35	3,40
COP energy class	W/W	4,40	4,30	3,90	4,00	4,00
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
$\eta_{s,c}$ %		287	281	265	261	251
$\eta_{s,h}$ %		173	169	169	162	159
<b>Ventilation</b>						
Air flow (High)	m <sup>3</sup> /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
<b>Installation - Dimensions - Components</b>						
Unit Dimensions WxDxH	mm	980x750x1690				
Packaged unit dimensions WxDxH	mm	1070x850x1858				
Net weight / Gross weight	Kg	224/250			244/270	
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	8,50	8,50	8,50	10,00	10,00
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
<b>Connectable Indoor Capacity Ratio</b>						
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
<b>External Temperature Operating Limits</b>						
Cooling	°C	-5-50	-5-50	-5-50	-5-50	-5-50
Heating	°C	-23-21	-23-21	-23-21	-23-21	-23-21

# Outdoor Units

## MRV 5



### 18-26HP

AV18IMVEVA  
AV20IMVEVA  
AV22IMVEVA  
AV24IMVEVA  
AV26IMVEVA

		AV18IMVEVA	AV20IMVEVA	AV22IMVEVA	AV24IMVEVA	AV26IMVEVA
<b>Capacity</b>						
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
<b>Electrical Parameters</b>						
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	15,60	16,62	20,16	22,67	36,75
Max absorbed power - Cooling	kW	21,40	25,10	28,50	29,10	37,80
Absorbed current in cooling	A	26,34	28,05	34,06	38,28	59,24
Max absorbed current - Cooling	A	36,13	42,37	48,11	49,13	61,91
Absorbed power - Heating	kW	13,19	14,66	18,64	19,43	26,25
Max absorbed power - Heating	kW	17,70	22,70	25,50	26,50	30,40
Absorbed current in heating	A	22,27	24,75	31,49	32,80	45,68
Max absorbed current - Heating	A	29,88	38,32	43,05	44,74	51,32
EER energy class	W/W	3,23	3,37	3,05	3,00	2,00
COP energy class	W/W	3,82	3,82	3,30	3,50	2,80
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	3,48
$\eta_{s,c}$ %		268	267	259	230	193
$\eta_{s,h}$ %		163	165	165	164	136
<b>Ventilation</b>						
Air flow (High)	m <sup>3</sup> /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	90	90	90
<b>Installation - Dimensions - Components</b>						
Unit Dimensions WxDxH	mm	1410x750x1690				
Packaged unit dimensions WxDxH	mm	1515x850x1858				
Net weight / Gross weight	Kg	287/317	370/400			
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	2INV	2INV	2INV	2INV
Refrigerant type		R410A	R410A	R410A	R410A	R410A
Pre-charged refrigerant qty.	Kg	10,00	10,00	10,00	10,00	10,00
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
<b>Connectable Indoor Capacity Ratio</b>						
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
<b>External Temperature Operating Limits</b>						
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 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. 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.



18-34HP

AV14IMVEVA

AV16IMVEVA

AV18IMVEVA

Model		AV28IMVEVA AV14IMVEVA AV14IMVEVA	AV30IMVEVA AV14IMVEVA AV16IMVEVA	AV32IMVEVA AV16IMVEVA AV16IMVEVA	AV34IMVEVA AV16IMVEVA AV18IMVEVA
<b>Capacity</b>					
Power Class	HP	28	30	32	34
Cooling	kW	80,00	85,00	90,00	95,40
Heating	kW	80,00	85,00	90,00	95,40
<b>Electrical Parameters</b>					
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	23,88	25,18	26,47	28,94
Max absorbed power - Cooling	kW	32,80	35,60	38,40	40,60
Absorbed current in cooling	A	40,32	42,50	44,69	48,69
Max absorbed current - Cooling	A	55,37	60,10	64,83	68,54
Absorbed power - Heating	kW	20,00	21,25	22,50	24,44
Max absorbed power - Heating	kW	30,20	33,50	36,80	36,10
Absorbed current in heating	A	33,76	35,87	37,98	41,27
Max absorbed current - Heating	A	50,98	56,55	62,13	60,94
EER energy class	W/W	3,35	3,38	3,40	3,31
COP energy class	W/W	4,00	4,00	4,00	3,90
SEER energy class	W/W	6,60	6,36	6,36	6,36
SCOP energy class	W/W	4,12	4,05	4,05	4,05
$\eta_{s,c}$ %		261	251	251	251
$\eta_{s,h}$ %		162	159	159	159
<b>Ventilation</b>					
Air flow (High)	m <sup>3</sup> /h	27000	27000	27000	30500
Sound pressure level (High)	dB(A)	62	63	63	64
Sound power level (High)	dB(A)	91	91	91	91
<b>Installation - Dimensions - Components</b>					
Unit Dimensions WxDxH	mm	980x750x1690+980x750x1690			980x750x1690+1410x750x1690
Packaged unit dimensions WxDxH	mm	11070x850x1858+1070x850x1858			1070x850x1858+1515x850x1858
Net weight / Gross weight	Kg	244/270+ 244/270	244/270+244/270		244/270+ 287/317
Compressor type		DC Inverter Scroll	DC Inverter Scroll	DC Inverter Scroll	DC Inverter Scroll
Quantity and type of the compressor	No.	2INV	2INV	2INV	2INV
Refrigerant type		R410A	R410A	R410A	R410A
Pre-charged refrigerant qty.	Kg	20,00	20,00	20,00	20,00
Ø Liquid side refrigerant pipe	mm (inch)	15,88 (5/8)	19,05 (3/4)	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)	31,80 (1-1/4)
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
Max. drop between IU and OU (O.U. down/up)*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
<b>Connectable Indoor Capacity Ratio</b>					
Indoor / Outdoor Capacity Ratio	%	50-130	50-130	50-130	50-130
Maximum number of connectable IUs	No.	47	50	53	56
<b>External Temperature Operating Limits</b>					
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 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

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.

# Outdoor Units

## MRV 5



### 36-44HP

AV18IMVEVA

AV20IMVEVA

AV22IMVEVA

Model		AV36IMVEVA AV18IMVEVA AV18IMVEVA	AV38IMVEVA AV18IMVEVA AV20IMVEVA	AV40IMVEVA AV20IMVEVA AV20IMVEVA	AV42IMVEVA AV20IMVEVA AV22IMVEVA	AV44IMVEVA AV22IMVEVA AV22IMVEVA
<b>Capacity</b>						
Power Class	HP	36	38	40	42	44
Cooling	kW	100,80	106,40	112,00	117,50	123,00
Heating	kW	100,80	106,40	112,00	117,50	123,00
<b>Electrical Parameters</b>						
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	31,21	32,22	33,23	36,78	40,21
Max absorbed power - Cooling	kW	42,80	46,50	50,20	53,60	57,00
Absorbed current in cooling	A	52,68	54,40	56,11	62,11	68,12
Max absorbed current - Cooling	A	72,26	78,50	84,75	90,49	96,23
Absorbed power - Heating	kW	26,39	27,85	29,32	33,30	37,28
Max absorbed power - Heating	kW	35,40	40,40	45,40	48,20	51,00
Absorbed current in heating	A	44,55	47,02	49,50	56,24	62,98
Max absorbed current - Heating	A	59,76	68,20	76,64	81,37	86,10
EER energy class	W/W	3,23	3,30	3,37	3,19	3,05
COP energy class	W/W	3,82	3,82	3,82	3,53	3,30
SEER energy class	W/W	6,78	6,75	6,75	6,54	6,54
SCOP energy class	W/W	4,15	4,15	4,20	4,20	4,21
$\eta_{s,c}$ %		268	267	267	259	259
$\eta_{s,h}$ %		163	163	165	165	165
<b>Ventilation</b>						
Air flow (High)	m <sup>3</sup> /h	34000	34000	34000	35000	36000
Sound pressure level (High)	dB(A)	64	64	64	64	64
Sound power level (High)	dB(A)	91	91	91	92	93
<b>Installation - Dimensions - Components</b>						
Unit Dimensions WxDxH	mm	1410x750x1690+1410x750x1690				
Packaged unit dimensions WxDxH	mm	1515x850x1858+1515x850x1858				
Net weight / Gross weight	Kg	287/317+287/317		370/400+370/400		
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	3INV	4INV	4INV	4INV
Refrigerant type		R410A	R410A	R410A	R410A	R410A
Pre-charged refrigerant qty.	Kg	20,00	20,00	20,00	20,00	20,00
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
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
<b>Connectable Indoor Capacity Ratio</b>						
Indoor / Outdoor Capacity Ratio	%	50-130	50-130	50-130	50-130	50-130
Maximum number of connectable IUs	No.	59	63	64	64	64
<b>External Temperature Operating Limits</b>						
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 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.

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.



46-54HP

AV18IMVEVA

AV22IMVEVA

AV24IMVEVA

AV26IMVEVA

Model		AV46IMVEVA AV22IMVEVA AV24IMVEVA	AV48IMVEVA AV24IMVEVA AV24IMVEVA	AV50IMVEVA AV24IMVEVA AV26IMVEVA	AV52IMVEVA AV26IMVEVA AV26IMVEVA	AV54IMVEVA AV18IMVEVA AV18IMVEVA AV18IMVEVA
<b>Capacity</b>						
Power Class	HP	46	48	50	52	54
Cooling	kW	129.50	136.00	141.50	147.00	151.20
Heating	kW	129.50	136.00	141.50	147.00	151.20
<b>Electrical Parameters</b>						
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	42.83	45.34	59.42	73.50	46.81
Max absorbed power - Cooling	kW	57.60	58.20	66.90	75.60	64.20
Absorbed current in cooling	A	72.34	76.56	97.52	118.48	79.03
Max absorbed current - Cooling	A	97.24	98.25	111.04	123.82	108.38
Absorbed power - Heating	kW	38.07	38.86	45.68	52.50	39.58
Max absorbed power - Heating	kW	52.00	53.00	56.90	60.80	53.10
Absorbed current in heating	A	64.29	65.60	78.48	91.36	66.82
Max absorbed current - Heating	A	87.79	89.48	96.06	102.64	89.64
EER energy class	W/W	3.02	3.00	2.38	2.00	3.23
COP energy class	W/W	3.40	3.50	3.10	2.80	3.82
SEER energy class	W/W	5.83	5.83	4.90	4.90	6.78
SCOP energy class	W/W	4.17	4.17	3.48	3.48	4.15
η <sub>s,c</sub> %		230	230	193	193	268
η <sub>s,h</sub> %		164	164	136	136	163
<b>Ventilation</b>						
Air flow (High)	m <sup>3</sup> /h	36000	36000	37000	38000	51000
Sound pressure level (High)	dB(A)	65	65	65	65	66
Sound power level (High)	dB(A)	93	93	93	93	93
<b>Installation - Dimensions - Components</b>						
Unit Dimensions WxDxH	mm	1410x750x1690+1410x750x1690				1410x750x1690+1410x750x1690 90+1410x750x1690
Packaged unit dimensions WxDxH	mm	1515x850x1858+1515x850x1858				1515x850x1858+1515x850x1858 58+1515x850x1858
Net weight / Gross weight	Kg	370/400+370/400				287/317+287/317+287/317
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	3INV
Refrigerant type		R410A	R410A	R410A	R410A	R410A
Pre-charged refrigerant qty.	Kg	20.00	20.00	20.00	20.00	30.00
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
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
<b>Connectable Indoor Capacity Ratio</b>						
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
<b>External Temperature Operating Limits</b>						
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 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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# Outdoor Units MRV 5

Haier

MRV5



## 56-64HP

AV18IMVEVA

AV20IMVEVA

AV22IMVEVA

Model		AV56IMVEVA AV18IMVEVA AV18IMVEVA AV20IMVEVA	AV58IMVEVA AV18IMVEVA AV20IMVEVA AV20IMVEVA	AV60IMVEVA AV20IMVEVA AV20IMVEVA AV20IMVEVA	AV62IMVEVA AV20IMVEVA AV20IMVEVA AV22IMVEVA	AV64IMVEVA AV20IMVEVA AV22IMVEVA AV22IMVEVA
<b>Capacity</b>						
Power Class	HP	56	58	60	62	64
Cooling	kW	156,80	162,40	168,00	173,50	179,00
Heating	kW	156,80	162,40	168,00	173,50	179,00
<b>Electrical Parameters</b>						
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	47,82	48,84	49,85	53,39	56,94
Max absorbed power - Cooling	kW	67,90	71,60	75,30	78,70	82,10
Absorbed current in cooling	A	80,74	82,45	84,16	90,17	96,17
Max absorbed current - Cooling	A	114,63	120,88	127,12	132,86	138,60
Absorbed power - Heating	kW	41,05	42,51	43,98	47,96	51,94
Max absorbed power - Heating	kW	58,10	63,10	68,10	70,90	73,70
Absorbed current in heating	A	69,30	71,77	74,25	80,99	87,73
Max absorbed current - Heating	A	98,08	106,53	114,97	119,69	124,42
EER energy class	W/W	3,28	3,33	3,37	3,25	3,14
COP energy class	W/W	3,82	3,82	3,82	3,62	3,45
SEER energy class	W/W	6,75	6,75	6,75	6,54	6,54
SCOP energy class	W/W	4,15	4,15	4,20	4,20	4,20
ηs,c %		267	267	267	259	259
ηs,h %		163	163	165	165	165
<b>Ventilation</b>						
Air flow (High)	m <sup>3</sup> /h	51000	51000	51000	52000	53000
Sound pressure level (High)	dB(A)	66	66	66	66	66
Sound power level (High)	dB(A)	93	93	93	94	94
<b>Installation - Dimensions - Components</b>						
Unit Dimensions WxDxH	mm	1410x750x1690+1410x750x1690+1410x750x1690				
Packaged unit dimensions WxDxH	mm	1515x850x1858+1515x850x1858+1515x850x1858				
Net weight / Gross weight	Kg	287/317+287/317+370/400	287/317+370/400+370/400	370/400+370/400+370/400		
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	5INV	6INV	6INV	6INV
Refrigerant type		R410A	R410A	R410A	R410A	R410A
Pre-charged refrigerant qty.	Kg	30,00	30,00	30,00	30,00	30,00
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)	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	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
<b>Connectable Indoor Capacity Ratio</b>						
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
<b>External Temperature Operating Limits</b>						
Cooling	°C	-5-50	-5-50	-5-50	-5-50	-5-50
Heating	°C	-23-21	-23-21	-23-21	-23-21	-23-21

WB / 24°C DB. In Heating mode, Indoor temperature of 20°C WB and Outdoor temperature of 7°C WB / 6°C DB

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.





**66-74HP**  
AV22IMVEVA  
AV24IMVEVA  
AV26IMVEVA

Model		AV66IMVEVA AV22IMVEVA AV22IMVEVA AV22IMVEVA	AV68IMVEVA AV22IMVEVA AV22IMVEVA AV24IMVEVA	AV70IMVEVA AV22IMVEVA AV24IMVEVA AV24IMVEVA	AV72IMVEVA AV24IMVEVA AV24IMVEVA AV24IMVEVA	AV74IMVEVA AV24IMVEVA AV24IMVEVA AV26IMVEVA
<b>Capacity</b>						
Power Class	HP	66	68	70	72	74
Cooling	kW	184,50	191,00	197,50	204,00	209,50
Heating	kW	184,50	191,00	197,50	20,00	209,50
<b>Electrical Parameters</b>						
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	60,48	62,99	65,50	68,01	82,09
Max absorbed power - Cooling	kW	85,50	86,10	86,70	87,30	96,00
Absorbed current in cooling	A	102,18	106,40	110,62	114,84	135,80
Max absorbed current - Cooling	A	144,34	145,35	146,37	147,38	160,16
Absorbed power - Heating	kW	55,92	56,71	57,50	58,29	65,11
Max absorbed power - Heating	kW	76,50	77,50	78,50	79,50	83,40
Absorbed current in heating	A	94,47	95,78	97,09	98,40	111,28
Max absorbed current - Heating	A	129,15	130,84	132,52	134,21	140,80
EER energy class	W/W	3,05	3,03	3,02	3,00	2,55
COP energy class	W/W	3,30	3,37	3,43	3,50	3,22
SEER energy class	W/W	6,54	5,83	5,83	5,83	4,90
SCOP energy class	W/W	4,21	4,17	4,17	4,17	3,48
$\eta_{s,c}$ %		259	230	230	230	193
$\eta_{s,h}$ %		165	164	164	164	136
<b>Ventilation</b>						
Air flow (High)	m <sup>3</sup> /h	54000	54000	54000	54000	55000
Sound pressure level (High)	dB(A)	66	66	67	67	67
Sound power level (High)	dB(A)	95	95	95	95	95
<b>Installation - Dimensions - Components</b>						
Unit Dimensions WxDxH	mm	1410x750x1690+1410x750x1690+1410x750x1690				
Packaged unit dimensions WxDxH	mm	1515x850x1858+1515x850x1858+1515x850x1858				
Net weight / Gross weight	Kg	370/400+370/400+370/400				
Compressor type		DC Inverter Scroll	DC Inverter Scroll	DC Inverter Scroll	DC Inverter Scroll	DC Inverter Scroll
Quantity and type of the compressor	No.	6INV	6INV	6INV	6INV	6INV
Refrigerant type		R410A	R410A	R410A	R410A	R410A
Pre-charged refrigerant qty.	Kg	30,00	30,00	30,00	30,00	30,00
Ø Liquid side refrigerant pipe	mm (inch)	19,05 (3/4)	22,20 (7/8)	22,20 (7/8)	22,20 (7/8)	22,20 (7/8)
Ø Gas side refrigerant pipe	mm (inch)	41,30 (1-5/8)	44,50 (1-3/4)	44,50 (1-3/4)	44,50 (1-3/4)	44,50 (1-3/4)
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
<b>Connectable Indoor Capacity Ratio</b>						
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
<b>External Temperature Operating Limits</b>						
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 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

# Outdoor Units

## MRV 5



### 76-84HP

AV20IMVEVA  
AV22IMVEVA  
AV24IMVEVA  
AV26IMVEVA

Model		AV76IMVEVA AV24IMVEVA AV26IMVEVA AV26IMVEVA	AV78IMVEVA AV26IMVEVA AV26IMVEVA AV26IMVEVA	AV80IMVEVA AV20IMVEVA AV20IMVEVA AV20IMVEVA AV20IMVEVA	AV82IMVEVA AV20IMVEVA AV20IMVEVA AV20IMVEVA AV22IMVEVA	AV84IMVEVA AV20IMVEVA AV20IMVEVA AV22IMVEVA AV22IMVEVA
<b>Capacity</b>						
Power Class	HP	76	78	80	82	84
Cooling	kW	215,00	220,50	224,00	229,50	235,00
Heating	kW	215,00	220,50	224,00	229,50	235,00
<b>Electrical Parameters</b>						
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	96,17	110,25	66,47	70,01	73,55
Max absorbed power - Cooling	kW	104,70	113,40	100,40	103,80	107,20
Absorbed current in cooling	A	156,76	177,72	112,21	118,22	124,23
Max absorbed current - Cooling	A	172,95	185,73	169,50	175,24	189,98
Absorbed power - Heating	kW	71,93	78,75	58,64	62,62	66,60
Max absorbed power - Heating	kW	87,30	91,20	90,80	93,60	96,40
Absorbed current in heating	A	124,16	137,04	98,99	105,74	112,48
Max absorbed current - Heating	A	147,38	153,96	153,29	158,02	162,74
EER energy class	W/W	2,24	2,00	3,37	3,28	3,19
COP energy class	W/W	2,99	2,80	3,82	3,67	3,53
SEER energy class	W/W	4,90	4,90	6,75	6,54	6,54
SCOP energy class	W/W	3,48	3,48	4,20	4,20	4,20
$\eta_{s,c}$ %		193	193	267	259	259
$\eta_{s,h}$ %		136	136	165	165	165
<b>Ventilation</b>						
Air flow (High)	m <sup>3</sup> /h	56000	57000	68000	69000	70000
Sound pressure level (High)	dB(A)	67	67	67	67	67
Sound power level (High)	dB(A)	95	95	94	95	95
<b>Installation - Dimensions - Components</b>						
Unit Dimensions WxDxH	mm	1410x750x1690+1410x750x1690+1410x750x1690		1410x750x1690+1410x750x1690+1410x750x1690+1410x750x1690		
Packaged unit dimensions WxDxH	mm	1515x850x1858+1515x850x1858+1515x850x1858		1515x850x1858+1515x850x1858+1515x850x1858+1515x850x1858		
Net weight / Gross weight	Kg	370/400+370/400+370/400		370/400+370/400+370/400+370/400		
Compressor type		DC Inverter Scroll	DC Inverter Scroll	DC Inverter Scroll	DC Inverter Scroll	DC Inverter Scroll
Quantity and type of the compressor	No.	6INV	6INV	8INV	8INV	8INV
Refrigerant type		R410A	R410A	R410A	R410A	R410A
Pre-charged refrigerant qty.	Kg	30,00	30,00	40,00	40,00	40,00
Ø Liquid side refrigerant pipe	mm (inch)	22,20 (7/8)	22,20 (7/8)	22,20 (7/8)	22,20 (7/8)	22,20 (7/8)
Ø Gas 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)	44,50 (1-3/4)
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
<b>Connectable Indoor Capacity Ratio</b>						
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
<b>External Temperature Operating Limits</b>						
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 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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86-94HP

AV20IMVEVA  
AV22IMVEVA  
AV24IMVEVA  
AV26IMVEVA

Model		AV86IMVEVA AV20IMVEVA AV22IMVEVA AV22IMVEVA AV22IMVEVA	AV88IMVEVA AV22IMVEVA AV22IMVEVA AV22IMVEVA AV22IMVEVA	AV90IMVEVA AV22IMVEVA AV22IMVEVA AV22IMVEVA AV24IMVEVA	AV92IMVEVA AV22IMVEVA AV22IMVEVA AV24IMVEVA AV24IMVEVA	AV94IMVEVA AV22IMVEVA AV24IMVEVA AV24IMVEVA AV24IMVEVA
<b>Capacity</b>						
Power Class	HP	86	88	90	92	94
Cooling	kW	240,50	246,00	252,50	259,00	265,50
Heating	kW	240,50	246,00	252,50	259,00	265,50
<b>Electrical Parameters</b>						
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	77,10	80,64	83,15	85,66	88,17
Max absorbed power - Cooling	kW	110,60	114,00	114,60	115,20	115,80
Absorbed current in cooling	A	130,23	136,24	140,46	144,68	148,90
Max absorbed current - Cooling	A	186,72	192,46	193,47	194,48	195,49
Absorbed power - Heating	kW	70,58	74,56	75,35	76,14	76,93
Max absorbed power - Heating	kW	99,20	10,00	103,00	104,00	105,00
Absorbed current in heating	A	119,22	125,96	127,27	128,58	129,89
Max absorbed current - Heating	A	167,47	172,20	173,89	175,57	177,26
EER energy class	W/W	3,12	3,05	3,04	3,02	3,01
COP energy class	W/W	3,41	3,30	3,35	3,40	3,45
SEER energy class	W/W	6,54	6,54	5,83	5,83	5,83
SCOP energy class	W/W	4,20	4,21	4,17	4,17	4,17
η <sub>s,c</sub> %		259	259	230	230	230
η <sub>s,h</sub> %		165	165	164	164	164
<b>Ventilation</b>						
Air flow (High)	m <sup>3</sup> /h	71000	72000	72000	72000	72000
Sound pressure level (High)	dB(A)	67	67	68	68	68
Sound power level (High)	dB(A)	96	96	96	96	96
<b>Installation - Dimensions - Components</b>						
Unit Dimensions WxDxH	mm	1410x750x1690+1410x750x1690+1410x750x1690+1410x750x1690				
Packaged unit dimensions WxDxH	mm	1515x850x1858+1515x850x1858+1515x850x1858+1515x850x1858				
Net weight / Gross weight	Kg	370/400+370/400+370/400+370/400				
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	40,00	40,00	40,00	40,00	40,00
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
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
<b>Connectable Indoor Capacity Ratio</b>						
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
<b>External Temperature Operating Limits</b>						
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 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

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.

# Outdoor Units

## MRV 5

Haier

MRV5



96-104HP

AV24IMVEVA

AV26IMVEVA

Model		AV96IMVEVA AV24IMVEVA AV24IMVEVA AV24IMVEVA AV24IMVEVA	AV98IMVEVA AV24IMVEVA AV24IMVEVA AV24IMVEVA AV26IMVEVA	AV100IMVEVA AV24IMVEVA AV24IMVEVA AV26IMVEVA AV26IMVEVA	AV102IMVEVA AV24IMVEVA AV26IMVEVA AV26IMVEVA AV26IMVEVA	AV104IMVEVA AV26IMVEVA AV26IMVEVA AV26IMVEVA AV26IMVEVA
<b>Capacity</b>						
Power Class	HP	96	98	100	102	104
Cooling	kW	272,00	277,50	283,00	288,50	294,00
Heating	kW	272,00	277,50	283,00	288,50	294,00
<b>Electrical Parameters</b>						
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	90,68	104,76	118,84	132,92	147,00
Max absorbed power - Cooling	kW	116,40	125,10	133,80	142,50	151,20
Absorbed current in cooling	A	153,12	174,08	195,04	216,00	236,96
Max absorbed current - Cooling	A	196,51	209,29	222,07	234,86	247,64
Absorbed power - Heating	kW	77,71	84,54	91,36	98,18	105,00
Max absorbed power - Heating	kW	106,00	109,90	113,80	117,70	121,60
Absorbed current in heating	A	131,20	144,08	156,96	169,84	182,72
Max absorbed current - Heating	A	178,95	185,53	192,12	198,70	205,29
EER energy class	W/W	3,00	2,65	2,38	2,17	2,00
COP energy class	W/W	3,50	3,28	3,10	2,94	2,80
SEER energy class	W/W	5,83	4,90	4,90	4,90	4,90
SCOP energy class	W/W	4,17	3,48	3,48	3,48	3,48
ηs,c %		230	193	193	193	193
ηs,h %		164	136	136	136	136
<b>Ventilation</b>						
Air flow (High)	m <sup>3</sup> /h	72000	73000	74000	75000	76000
Sound pressure level (High)	dB(A)	68	68	68	68	68
Sound power level (High)	dB(A)	96	96	96	96	96
<b>Installation - Dimensions - Components</b>						
Unit Dimensions WxDxH	mm	1410x750x1690+1410x750x1690+1410x750x1690+1410x750x1690				
Packaged unit dimensions WxDxH	mm	1515x850x1858+1515x850x1858+1515x850x1858+1515x850x1858				
Net weight / Gross weight	Kg	370/400+370/400+370/400+370/400				
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	40,00	40,00	40,00	40,00	40,00
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)	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	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
<b>Connectable Indoor Capacity Ratio</b>						
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
<b>External Temperature Operating Limits</b>						
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 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

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.