

ARV Mini Series



ARV Mini Series 50Hz

Model	Outdoor		ARV-H220/5R1A	ARV-H280/5R1A
Capacity	Cooling	kW	22.40	26.00
	Heating	kW	24.50	28.50
Electric Data	Power Supply	V~, Hz, Ph	380~415, 50, 3	380~415, 50, 3
	Cooling Power Input	kW	7.20	8.40
	Heating Power Input	kW	6.70	7.90
	Cooling Current	A	11.60	13.50
	Heating Current	A	11.00	13.00
	EER		3.11	3.10
	COP		3.66	3.61
Performance	Air Flow Volume	m ³ /h	9000	9000
	Noise Level	dB(A)	60	60
Piping Limit	Vertical Pipe Length	m	≤30	≤30
	Actual Pipe Length	m	45	45
	Equivalent Pipe Length	m	50	50
	Total Pipe length	m	100	100
Max. No. of Indoor Units	unit		11	12
Connection Ratio	%		50~130	50~130
Dimension (WxDxH)	Net	mm	1120×400×1510	1120×400×1510
	Packing	mm	1270×560×1710	1270×560×1710
Weight	Net	kg	150	150
	Gross	kg	170	170
Refrigerant Type			R410a	R410a
Pipe Diameter	Liquid Side	mm(inch)	9.52(3/8)	9.52(3/8)
	Gas Side	mm(inch)	22.22(7/8)	22.22(7/8)
Operation Range	Cooling	°C	-10~52	-10~52
	Heating	°C	-15~24	-15~24
Stuffing Quantity	20/40/40H	unit	17/37/37	17/37/37

Notes:
 1. Cooling Capacity: Indoor temperature 27°C DB/ 19°C WB; Outdoor temperature: 35°C DB/ 24°C WB.
 2. Cooling Capacity (Tropical): Indoor temperature 27°C DB/ 19°C WB; Outdoor temperature: 46.1°C DB.
 3. Heating Capacity: Indoor temperature 20°C DB; Outdoor temperature: 7°C DB/ 6°C WB.
 4. Piping Length: Equivalent piping length: 7.5m, level difference: 0m.
 5. Anechoic chamber conversion value, measured in test room. During actual operation. These values are normally somewhat higher as a result of ambient conditions.
 6. The above designs and specifications are subject to change without prior notice. Final specifications please refer to technical specification provided by sales representative.

ARV Mini Series



ARV MINI 50/60Hz Single-Phase

Model	Outdoor		ARV-H080/NR1	ARV-H100/NR1	ARV-H120/NR1	ARV-H140/NR1	ARV-H160/NR1
Capacity	Cooling	kW	8.00	10.00	12.30	14.00	16.00
	Heating	kW	9.00	11.50	13.20	16.00	18.00
Electric Data	Power Supply	V~, Hz, Ph	220~240, 50/60, 1	220~240, 50/60, 1	220~240, 50/60, 1	220~240, 50/60, 1	220~240, 50/60, 1
	Cooling Power Input	kW	2.30	3.00	3.25	3.95	4.80
	Heating Power Input	kW	2.40	3.20	3.41	4.05	4.80
	Cooling Current	A	10.10	13.20	14.30	17.30	21.10
	Heating Current	A	10.50	14.00	15.00	17.80	21.10
	EER		3.48	3.33	3.78	3.54	3.33
	COP		3.75	3.59	3.87	3.95	3.75
Performance	SEER		6.20	6.10	6.10	6.10	6.10
	SCOP		4.20	4.10	4.10	4.00	4.00
Air Flow Volume		m ³ /h	4154	4154	7200	7200	7200
	Noise Level	dB(A)	56	56	57	57	57
Piping Limite	Level difference between IDU and ODU	m	50	50	50	50	50
	Level difference between IDU and IDU	m	10	10	15	15	15
	Between the first brance and the Farthest IDU	m	40	40	40	40	40
	Total Pipe length	m	100	100	150	150	150
Max. No. of Indoor Units	unit		4	5	7	8	9
Connection Ratio	%		50~130	50~130	50~130	50~130	50~130
Dimension (WxDxH)	Net	mm	970×370×803	970×370×803	970×340×1320	970×340×1320	970×340×1320
	Packing	mm	1105×495×890	1105×495×890	1080×430×1440	1080×430×1440	1080×430×1440
Weight	Net	kg	66	66	86	86	93
	Gross	kg	71	71	91	91	98
Refrigerant Type			R410a	R410a	R410a	R410a	R410a
Pipe Diameter	Liquid Side	mm(inch)	9.52(3/8)	9.52(3/8)	9.52(3/8)	9.52(3/8)	9.52(3/8)
	Gas Side	mm(inch)	15.88(5/8)	15.88(5/8)	15.88(5/8)	15.88(5/8)	19.05(3/4)
Operation Range	Cooling	°C	-15~49	-15~49	-15~49	-15~49	-15~49
	Heating	°C	-15~27	-15~27	-15~27	-15~27	-15~27
Stuffing Quantity	20/40/40H	unit	44/96/144	44/96/144	27/55/55	27/55/55	27/55/55

ARV MINI 50/60Hz Three-Phase

Model	Outdoor		ARV-H140/SR1DCS7	ARV-H160/SR1DCS7	ARV-H220/SR1DCS7	ARV-H260/SR1DCS7
Capacity	Cooling	kW	14.00	16.00	22.40	26.00
	Heating	kW	16.00	18.00	24.50	28.50
Electric Data	Power Supply	V~, Hz, Ph	380~415, 50/60, 3	380~415, 50/60, 3	380~415, 50/60, 3	380~415, 50/60, 3
	Cooling Power Input	kW	4.11	4.70	6.80	7.60
	Heating Power Input	kW	4.10	4.61	5.90	6.80
	Cooling Current	A	6.15	6.96	11.10	12.40
	Heating Current	A	6.10	6.76	9.60	11.10
	EER		3.41	3.40	3.29	3.42
	COP		3.90	3.90	4.15	4.19
Performance	SEER		6.10	6.10	6.10	6.10
	SCOP		4.00	4.00	4.00	4.00
Air Flow Volume		m ³ /h	7200	7200	10500	10500
	Noise Level	dB(A)	57	57	60	60
Piping Limite	Level difference between IDU and ODU	m	50	50	50	50
	Level difference between IDU and IDU	m	8	8	10	10
	Between the first brance and the Farthest IDU	m	40	40	40	40
	Total Pipe length	m	150	150	250	250
Max. No. of Indoor Units	unit		8	9	13	15
Connection Ratio	%		50~130	50~130	50~130	50~130
Dimension (WxDxH)	Net	mm	940×370×1325	940×370×1325	1120×400×1510	1120×400×1510
	Packing	mm	1080×430×1440	1080×430×1440	1270×560×1710	1270×560×1710
Weight	Net	kg	103	103	165	165
	Gross	kg	113	113	185	185
Refrigerant Type			R410A	R410A	R410A	R410A
Pipe Diameter	Liquid Side	mm(inch)	9.52(3/8)	9.52(3/8)	9.52(3/8)	9.52(3/8)
	Gas Side	mm(inch)	19.05(3/4)	19.05(3/4)	22.2(7/8)	22.2(7/8)
Operation Range	Cooling	°C	-15~49	-15~49	-15~49	-15~49
	Heating	°C	-15~27	-15~27	-15~27	-15~27
Stuffing Quantity	20/40/40H	unit	27/55/55	27/55/55	17/37/37	17/37/37

Notes:
 1. Cooling Capacity: Indoor temperature 27°C DB/ 19°C WB; Outdoor temperature: 35°C DB/ 24°C WB.
 2. Cooling Capacity (Tropical): Indoor temperature 27°C DB/ 19°C WB; Outdoor temperature: 46.1°C DB.
 3. Heating Capacity: Indoor temperature 20°C DB; Outdoor temperature: 7°C DB/ 6°C WB.
 4. Piping Length: Equivalent piping length: 7.5m, level difference: 0m.
 5. Anechoic chamber conversion value, measured in test room. During actual operation. These values are normally somewhat higher as a result of ambient conditions.
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