

ARV6 Series Outdoor Units



AUX
AIR CONDITIONER



ARV6 Series Outdoor Units



We are pleased to announce that AUX ARV6 series have been registered with Eurovent. Eurovent tests and certifies that the performance and technical characteristics of such products follow all European and global guidelines. When a product is certified from Eurovent, it is guaranteed that it will perform as its' manufacturer claims. Products that bear Eurovent's certification badge go through strict testing protocols and are accurately evaluated from the independent organization.

CONSUMERS BENEFITS

When consumers see Eurovent's certification badge on a product, they can be 100% certain that it functions exactly as its' manufacturer claims:

- Claimed electricity consumption is true
- Claimed technical characteristics are present and valid
- Claimed performance and Energy Rating are true and guaranteed.

Project Tender



ARV6 Series Outdoor Units

Variable Energy-efficiency Regulation

Evaporating and condensing temperature creates a powerful effect to the cooling and heating performance and energy-efficiency ratio of the AC system. Thanks to VER technology, ARV6 series has various modes with different refrigerant temperatures which lead the system to different performance and energy-efficiency ratio.

Users can choose a certain mode according to the actual need in different area and climate, so that the system can satisfy various requirement, and the seasonal efficiency can be optimized.

Turbo mode

High cooling and heating performance, cool down or warm up the room rapidly

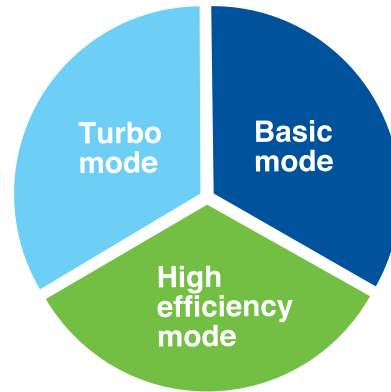
Basic mode

Default mode, balance the reaction speed and efficiency

High efficiency mode

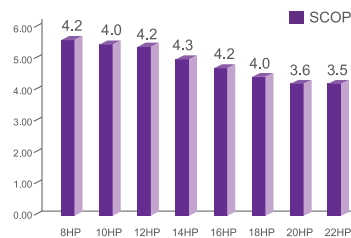
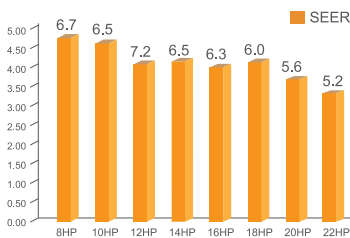
Satisfy the lowest capacity requirement and low the energy consumption.

Cooling: 3 modes with different evaporating temperature.
Heating: 3 modes with different condensing temperature.



High SEER & SCOP

ARV 6 Series achieves the industry's top class energy efficiency in cooling and heating by utilizing all DC inverter compressors, and Enhanced vapor injection. The cooling SEER is up to 7.2 and the heating SCOP is up to 4.3.



180° Sine Wave Control

DC inverter compressor uses 180° sine wave vector control technology which allows smoother operation and increased efficiency of the compressor. It also reduces the noise level of the outdoor unit.

All-round Protection

- High/low pressure protection
- Low pressure protection
- High/low compression ratio protection
- Low compression ratio protection
- High/low discharge temp. protection
- Low discharge temp. protection



Ground protection

- Voltage protection
- Current protection
- Fan motor protection
- Inverter module protection
- Compressor overload protection
- Phase sequence protection

Large Capacity & Free Combination

8 basic models from 8HP to 22HP. Maximum combination: 88HP(246kW), top level in industry. Less outdoor unit requirements allows for space saving and lower installation costs.



Project Tender



ARV6 Series Outdoor Units

Specifications Modular VRF Outdoor Unit-50Hz

	ARV-H250/ SR1MV	ARV-H280/ SR1MV	ARV-H330/ SR1MV	ARV-H400/ SR1MV	ARV-H450/ SR1MV	ARV-H500/ SR1MV	ARV-H560/ SR1MV	ARV-H610/ SR1MV
Factory Model	8HP	10HP	12HP	14HP	16HP	18HP	20HP	22P
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	380~415,50/60,3	380~415,50/60,3	380~415,50/60,3	380~415,50/60,3
Cooling Capacity (Kw)	25.2	28	33.5	40	45	50.4	56	61.5
Cooling Input (Kw)	5.31	6.11	8.48	9.90	11.82	12.63	15.34	18.90
Current	8.49	9.77	13.56	15.83	18.90	20.20	24.53	30.23
SEER	6.70	6.50	7.20	6.50	6.30	6.00	5.60	5.20
IPLV	9.15							
Heating Capacity (Kw)	25.2	28	33.5	40	45	50.4	56	61.5
Heating - Input (Kw)	4.60	5.23	6.38	8.25	9.78	11.69	13.83	15.44
Heating - Rated current (A)	7.36	8.36	10.20	13.19	15.64	18.70	22.12	24.69
SCOP (W/W)	4.20	4.00	4.20	4.30	4.20	4.10	3.60	3.50
Max. Input Consumption (W)	11	11.7	13.20	18.50	19.20	26.10	26.60	27.40
Max. Current (A)	18	18.7	21.10	29.50	30.60	38.50	39.30	40.60
Quantity	1	1	1	1	1	2	2	2
Compressor Type	DC Inv	DC Inv	DC Inv	DC Inv	DC Inv	DC Inv	DC Inv	DC Inv
Compressor Brand	Hitachi	Hitachi	Hitachi	Hitachi	Hitachi	Hitachi	Hitachi	Hitachi
Compressor RPM	15~140	15~140	15~140	10~130	10~130	15~140	15~140	15~140
Compressor Capacity (W)	26,630	26,630	26,630	26,400	26,400	26,630	26,630	26,630
Compressor Input (W)	8700	8700	8700	8130	8130	8700	8700	8700
Compressor Power Supply (Ph-V-Hz)	380~415,50,3	380~415,50,3	380~415,50,3	380~415,50,3	380~415,50,3	380~415,50,3	380~415,50,3	380~415,50,3
Operating Frequency (Hz)	45~420	45~420	45~420	30~390	30~390	45~420	45~420	45~420
Outdoor Fan Motor Type	DC Inv	DC Inv	DC Inv	DC Inv	DC Inv	DC Inv	DC Inv	DC Inv
Brand	Panasonic/ Broad-Ocean	Panasonic/ Broad-Ocean	Panasonic/ Broad-Ocean	Panasonic/ Broad-Ocean	Panasonic/ Broad-Ocean	Panasonic/ Broad-Ocean	Panasonic/ Broad-Ocean	Panasonic/ Broad-Ocean
Outdoor Fan Motor Quantities	1	1	1	2	2	2	2	2

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Outdoor Fan Motor Insulation Class	E	E	E	E	E	E	E	E
Outdoor Fan Motor Safe Class	IP23	IP23	IP23	IP23	IP23	IP23	IP23	IP23
Outdoor Fan Motor Input Power (W)	938	938	938	563	563	563	563	563
Outdoor Fan Motor Output Power (W)	750	750	750	450	450	450	450	450
Outdoor Fan Motor Rated Current (A)	8.5	8.5	8.5	5.1	5.1	5.1	5.1	5.1
Outdoor Fan Motor Speed (r/min)	825	825	825	1005	1005	1005	1005	1005
Outdoor Fan Material	Plastic	Plastic	Plastic	Plastic	Plastic	Plastic	Plastic	Plastic
Outdoor Fan Type	Axial	Axial	Axial	Axial	Axial	Axial	Axial	Axial
Outdoor Fan - Fan Quantity	1	1	1	2	2	2	2	2
Air Flow Volume (CFM)	7059	7059	7059	8235	8235	9412	9412	9412
Air Flow Volume (m3/h)	12000	12000	12000	14000	14000	16000	16000	16000
Noise Level dB(A)	43-58	43-58	43-58	43-61	43-61	43-63	43-63	43-63
Dimension (W×D×H) - Net (mm)	990×765× 1635	990×765×1635	990×765×1635	1340×765×1635	1340×765×1635	1340×765×1635	1340×765×1635	1340×765×1635
Weight - Net (kg)	215	215	230	265	265	330	330	330
Refrigerant type/ Quantity - Type	R410a	R410a	R410a	R410a	R410a	R410a	R410a	R410a
Refrigerant type/Quantity - Charged Volume (kg)	10	10	14	14	14	16	16	16
Design Pressure (Mpa)	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2
Liquid Side (mm)	12.7/ (1/2)	12.7/ (1/2)	12.7/ (1/2)	5.88 (5/8)	15.88 (5/8)	15.88 (5/8)	15.88 (5/8)	15.88 (5/8)
Gas Side (mm)	22.2 (7/8)	22.2 (7/8)	22.2 (7/8)	28.6 (1 1/8)	28.6 (1 1/8)	28.6 (1 1/8)	28.6 (1 1/8)	28.6 (1 1/8)
Max. Length (m)	1000	1000	1000	1000	1000	1000	1000	1000
Max. Height (m)	≤110m	≤110m	≤110m	≤110m	≤110m	≤110m	≤110m	≤110m
Ambient Temperature Range (Cooling/Heating) (°C)	-15~52/-25~24	-15~52/-25~24	-15~52/-25~24	-15~52/-25~24	-15~52/-25~24	-15~52/-25~24	-15~52/-25~24	-15~52/-25~24

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