

**6 Ton Heat Pump Outdoor Unit - 460 VAC, 3-Phase, 60Hz  
1X (AOUA72RLCV)**

<b>Job Name</b> _____	<b>Date</b> _____
<b>Location</b> _____	<b>Approval</b> _____
<b>Engineer</b> _____	<b>Construction</b> _____
<b>Submitted To</b> _____	<b>Unit No</b> _____
<b>Submitted By</b> _____	<b>Drawing No</b> _____
<b>Reference</b> _____	

- Inverter driven compressor
- New style high power DC fan motor.
- Blue fin heat-exchanger (Corrosion resistance)
- 10 year Extended Warranty on parts and compressor. See Warranty Statement.
- Optional: Internet, BACnet, LonWorks, or Modbus communication.



<b>CAPACITY</b>	
Nominal Cooling Capacity - BTU/h [kW]	72,000 [21.1]
Nominal Heating Capacity - BTU/h [kW]	81,000 [23.7]
Nominal Tonnage - Ton(s)	6
Maximum Connectable Indoor Units	14
Connectable Capacity	50% to 150%
Cooling Power Input - kW	5.37
Heating Power Input - kW	5.39
Unit Group	1X (AOUA72RLCV)

<b>OPERATING TEMPERATURES</b>	
Operating Temp. Cooling (DB) - °F [°C]	5 to 115 [-15 to 46]
Operating Temp. Heating (DB) - °F [°C]	-4 to 70 [-20 to 21]

<b>ELECTRICAL</b>	
Electrical Power Requirements	460 VAC, 3-Phase, 60Hz
Voltage Range	414 to 506 VAC
Maximum Circuit Breaker - A	25
Minimum Circuit Ampacity (MCA) - A	21
Cooling Power Input - kW	5.37
Heating Power Input - kW	5.39
Maximum Starting Current (MSC) - A	16.8
Compressor - Rated Load Amperage (RLA) - A	8.5
Fan Motor - Full Load Amperage (FLA) - A	1.5

<b>EFFICIENCY</b>	
EER Cooling (Ducted/Non Ducted)	12.3 / 12.5
IEER Cooling (Ducted/Non Ducted)	20 / 24.1
COP / High Heating 47°F (Ducted/Non Ducted)	3.64/4.06

<b>COMPRESSOR</b>	
Compressor Type	Rotary Inverter
Refrigerant Type	R410A
Refrigerant Charge - lbs [kg]	25.79 [11.70]
Compressor Crankcase Heater - W	2X 35
Refrigerant Oil / Lubricant	POE
Compressor Capacity Control - Steps/Range	951 / 20 - 115

<b>WIRING</b>	
Communication Cable	LonWorks (Fujitsu Pink Cable. See AE Bulletin 009)

<b>FAN</b>	
Fan Type	Propeller fan
Fan Airflow Rate - CFM [m3/h]	6,533 [11,100]
Fan Power Output - W	750
Fan Motor - Full Load Amperage (FLA) - A	1.5
External Static Pressure (Max) - in.WG [Pa]	0.32 [80]

<b>PIPING</b>	
Max. Total Refrigerant Line Length - ft [m]	3,280 [1,000]
Max Height Diff. (OD & ID)(Upper/Lower) - ft [m]	164/131 [50/40]
Max. Refrig. Line Length 1st Sep. tube & furthest IU - ft [m]	295 [90]
Pipe Connection Method: Liquid/Gas	Brazed
Pipe Connection: Liquid - in [mm]	1/2 [12.70]
Pipe Connection: Discharge Gas - in [mm]	7/8 [22.22]

<b>HEAT EXCHANGER</b>	
H. E. Pipe Type (Material)	Grooved H-pin (Copper)
H. E. Fin Tube (Material)	Corrugate (Aluminum)
H. E. Fin Surface Treatment	Corrosion resistance (Blue fin)
H. E. Fin Pitch - FPI [mm]	18 [1.45]
H. E. Rows x Stages	3 x 60
H. E. Face Area - Ft <sup>2</sup> [m <sup>2</sup> ]	23 [2.2]
H. E. Length - in [mm]	69-5/16 [1760]

<b>SOUND</b>	
Sound Pressure Levels (Cooling/Heating) - dB(A)	57 / 58

<b>WEIGHT</b>	
Net Weight - lbs [kg]	584 [265]
Gross Weight - lbs [kg]	628 [285]

<b>DIMENSIONS</b>	
Dim.Net (HxWxD) - in [mm]	66-9/16 x 36-5/8 x 30-1/8 [1690 x 930 x 765]

Dim.Gross (HxWxD) - in [mm]	71-5/16 x 39-7/16 x 33-3/8 [1811 x 1002 x 847]
-----------------------------	---

<b>CODE</b>	
ETL	3170288
AHRI Certified	Standard 1230

Note: Specifications are based on the following conditions:  
Cooling: Indoor temperature of 80°F (26.7°C) DB/67°F (19.4°C) WB, and outdoor temperature of 95°F (35°C) DB/75°F (23.9°C) WB. Heating: Indoor temperature of 70°F (21.1°C) DB/60°F (15.6°C) WB, and outdoor temperature of 47°F (8.3°C) DB/43°F (6.1°C) WB. Pipe length: 25ft. (7.5m), Height difference: 0ft. (0m) (Outdoor unit - indoor unit).



Fujitsu General America, Inc.  
353 Route 46 West  
Fairfield, NJ 07004  
Toll Free: (888) 888-3424  
Fax: (973) 836-0453  
www.airstagevrf.com

DIMENSIONS

Unit: In. (mm)

