

SUBMITTAL AOUA96ULBV5

AIRSTAGE VU-V

1 X (AOUA96ULBV5)

8 ton HP/HR Outdoor unit, 208/230 VAC, 3-phase, 60 Hz

Job Name Location Engineer **Submitted To** Submitted By

Date Approval Construction Unit No **Drawing No**

Features

- Compact outdoor unit with single chassis up to 16 tons
- Extended heating capacity to -15 F and cooling to 126 F
- Heat pump and Heat Recovery options with same SKU
- Up to 64 indoor units connectable to 36 ton System
- High static pressure of 0.44 in. W.C on the outdoor fan
- Base pan heater Standard

Reference

- · Intelligent refrigerant control and operation logic
- · Inverter driven scroll compressor and large accumulator
- · 10 year Extended Warranty on parts and compressor. See Warranty Statement.



CAPACITY	
Nominal Cooling Capacity - BTU/h [kW]	96,000 [28.1]
Nominal Heating Capacity - BTU/h [kW]	108,000 [31.7]
Nominal Tonage - Ton(s)	8
Maximum Connectable Indoor Units	21
Connectable Capacity	25% to 150%
Cooling Power Input (HR/HP) - kW	6.70/7.24
Heating Power Input (HR/HP) - kW	7.31/7.52
Unit Group	AOUA96ULBV5

10 Year	
Compressor & Parts	
& Parts	

OUTDOOR TEMPERATURE OPERATION RANGE

Operating Temp. Cooling (HR/HP) - °F [°C]	14 to 126[-10 to 52] / 5 to 126[-15 to 52]
Operating Temp. Heating (HR/HP) - °F [°C]	-15 to 70[-26 to 21]
Operating Temp. Cooling/Heating Simultaneous(HR) -	°F [°C] 14 to 70[-10 to 21]

EFFICIENCY

EER Cooling (Non Ducted/Ducted)	13.2/11.7
High COP (Non Ducted/ Ducted)	4.00/3.72
Low COP (Non Ducted/ Ducted)	2.52/2.46
IEER (Non Ducted/ Ducted)	28.0/19.90
SCHE (Non Ducted/ Ducted)	34.0/28.20

Communication Cable LonWorks (Fujitsu Pink Cable. See bulletin A20221205A)

ELECTRICAL

Electrical Power Requirements	208/230 V ~ 60 Hz
Voltage Range	187-253
Maximum Circuit Breaker - A	50
Minimum Circuit Ampacity (MCA) - A	37.7
Cooling Power Input (HR/HP) - kW	6.70/7.24
Heating Power Input (HR/HP) - kW	7.31/7.52
Maximum Starting Current (MSC) - A	29.7
Compressor - Rated Load Amperage (RLA) - A	26.4
Fan Motor - Full Load Amperage (FLA) - A	3.3

COMPRESSO

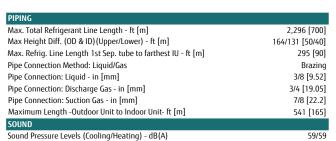
Compressor Type	Scroll (inv)
Refrigerant Type	R410A
Refrigerant Charge - Ibs [kg]	25.79 [11.7]
Compressor Crankcase Heater - W	2 X 35
Refrigerant Oil / Lubricant	PVE
Compressor Capacity Control - Steps/Range	106 steps/ 12.5 to 100%

Compressor Capacity Control - Steps/Range Compressor Starting Current - SC (A)

AN	
an Type	Proppeller fan x 1
an Airflow Rate - CFM [m3/h]	6533[11,100]
an Power Output - W	740
an Motor - Full Load Amperage (FLA) - A	3.3
xternal Static Pressure (Max) - in.WG [Pa]	0.32[80]

Fan Type	Proppeller fan x 1
Fan Airflow Rate - CFM [m3/h]	6533[11,100]
Fan Power Output - W	740
Fan Motor - Full Load Amperage (FLA) - A	3.3
External Static Pressure (Max) - in.WG [Pa]	0.32[80]
Motor Output Direct-Drive Inverter - kW	0.74

HEAT EXCHANGER	
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 - Ft² [m²]	24[2.2]
H. E. Length - in [mm]	69-5/16[1760]



WEIGHT

29.7

Net Weight - lbs [kg]	569[258]
Gross Weight - lbs [kg]	635[288]

DIMENSIONS

Dim.Net (HxWxD) - in [mm]	66-9/16 × 36-5/8 × 30-1/8 [1,690 × 930 × 765]
Dim.Gross (HxWxD) - in [mm]	73-1/4 × 40-3/16 × 35-3/8 [1,860 × 1,020 × 898]

AHRI Certified	Standard 1230
ETL	220324027GZU-001

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)

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).







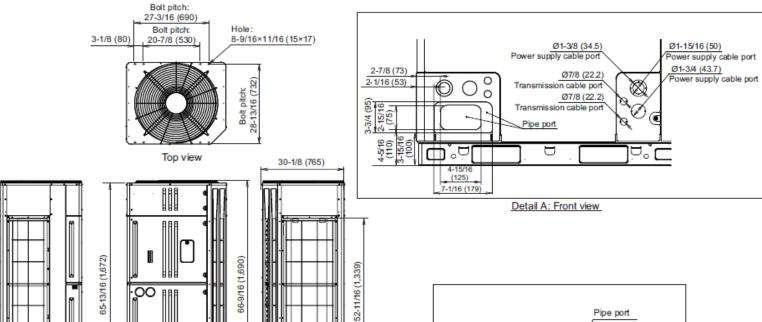


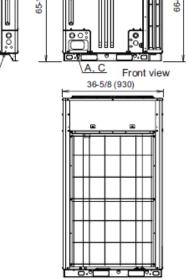
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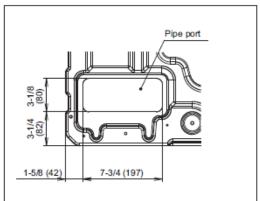
DIMENSIONS Unit: in (mm)

Right view





Rear view



Detail B: Top view

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Left view

В