

3 Ton, HP Outdoor Unit , 208/230 VAC, 1-Phase, 60 Hz AOU36RLAVM4

**Job Name** \_\_\_\_\_  
**Location** \_\_\_\_\_  
**Engineer** \_\_\_\_\_  
**Submitted To** \_\_\_\_\_  
**Submitted By** \_\_\_\_\_  
**Reference** \_\_\_\_\_

**Date** \_\_\_\_\_  
**Approval** \_\_\_\_\_  
**Construction** \_\_\_\_\_  
**Unit No** \_\_\_\_\_  
**Drawing No** \_\_\_\_\_

**Features**

- Powerful heating down to -15 F
- Reduced MCA down to 30A to adjustable 20A
- Base Pan Heater Included
- Improved connection ratio up to 150%
- Updated components such as Fan Guard, Wiring, PCB, and Fan Motor
- 10 Year warranty on parts and compressor. See Warranty Statement for details.
- Optional: Internet, BACnet, LonWorks, or Modbus communication



**CAPACITY**

Nominal Cooling Capacity - BTU/h [kW]	36,000 [10.6]
Nominal Heating Capacity - BTU/h [kW]	42,000 [12.3]
Nominal Tonnage - Ton(s)	3
Maximum Connectable Indoor Units	9
Connectable Capacity	50% to 150%
Cooling Power Input: (Non Ducted/Ducted) - kW	2.16 / 3.17
Heating Power Input: (Non Ducted/Ducted)- kW	3.13 / 4.14
Unit Group	AOU36RLAVM4

**OUTDOOR TEMPERATURE OPERATION RANGE**

Operating Temp. Cooling (HR/HP) - °F [°C]	23 to 115 [-5 to 46]
Operating Temp. Heating (HR/HP) - °F [°C]	-15 to 70 [-26 to 21]

**ELECTRICAL**

Electrical Power Requirements	208/230 V ~ 60 Hz
Voltage Range	187-253
Maximum Circuit Breaker - A	30
Minimum Circuit Ampacity (MCA) - A	29.8
Cooling Power Input: (Non Ducted/Ducted) - kW	2.16 / 3.17
Heating Power Input: (Non Ducted/Ducted)- kW	3.13 / 4.14
Maximum Starting Current (MSC) - A	23
Compressor- Rated Load Amperage (RLA) - A	14.2
Fan Motor - Full Load Amperage (FLA) - A	1

**EFFICIENCY**

EER Cooling (Non Ducted/Ducted)	13.3 / 12.5
EER2 Cooling (Non Ducted/Ducted)	13.3 / 10.6
HSPF (Non Ducted/Ducted)	11.5 / 10.0
HSPF2 (Non Ducted/Ducted)	10.0 / 8.2
COP / High Heating 47°F (Non Ducted/Ducted)	3.82 / 3.86
COP / Low Heating 17°F (Non Ducted/Ducted)	2.8 / 2.8
COP2 (Non Ducted/Ducted)	3.82 / 2.82
SEER (Non Ducted/Ducted)	19.0 / 17.0
SEER2 (Non Ducted/Ducted)	19.2 / 15.5

**COMPRESSOR**

Compressor Type	Rotary (inv) x 1
Refrigerant Type	R410A
Refrigerant Charge - lbs [kg]	10.58[4.8]
Compressor Crankcase Heater - W	25
Refrigerant Oil / Lubricant	VG74
Compressor Capacity Control - Steps/Range	81 steps/20 to 100%
Compressor Starting Current - SC (A)	23

**WIRING**

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

**FAN**

Fan Type	Proppeller Fan x 2
Fan Airflow Rate - CFM [m3/h]	3,649 [6,200]
Fan Power Output - W	200
Fan Motor - Full Load Amperage (FLA) - A	1
External Static Pressure (Max) - in.WG [Pa]	0.12 [30]
Motor Output Direct-Drive Inverter - kW	0.2

**PIPING**

Max. Total Refrigerant Line Length - ft [m]	590 [180]
Max Height Diff. (OD & ID) (Upper/Lower) - ft [m]	164/131 [50/40]
Max. Refrig. Line Length 1st Sep. tube to farthest IU - ft [m]	131 [40]
Pipe Connection Method: Liquid/Gas	Flare
Pipe Connection: Liquid - in [mm]	3/8 [9.52]
Pipe Connection: Discharge Gas - in [mm]	5/8 [15.88]
Maximum Length- Outdoor Unit to Indoor Unit- ft [m]	394 [120]

**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 62
H. E. Face Area - Ft <sup>2</sup> [m <sup>2</sup> ]	13.1 [1.22]
H. E. Length - in [mm]	36-13/16 [935]

**SOUND**

Sound Pressure Levels (Cooling/Heating) - dB(A)	50/52
---	-------



**WEIGHT**

Net Weight - lbs [kg]	262 [119]
Gross Weight - lbs [kg]	289 [131]

**DIMENSIONS**

Dim.Net (HxWxD) - in [mm]	52-1/2 x 38-3/16 x 14-9/16 [1,334 x 970 x 370]
Dim.Gross (HxWxD) - in [mm]	59-5/16 x 41-7/8 x 18-13/16 [1,506 x 1,064 x 478]

**CODE**

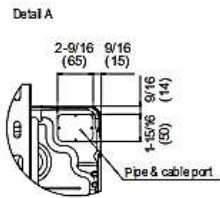
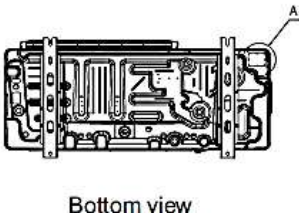
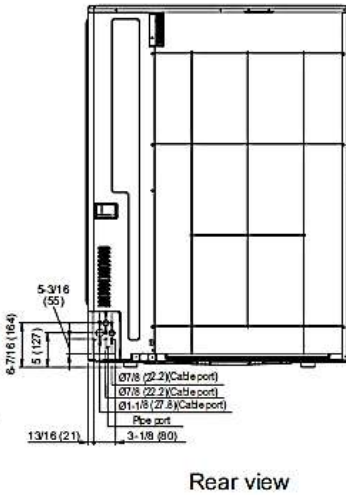
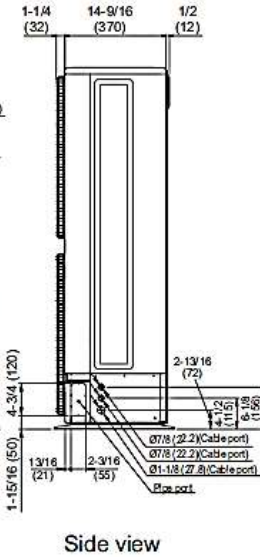
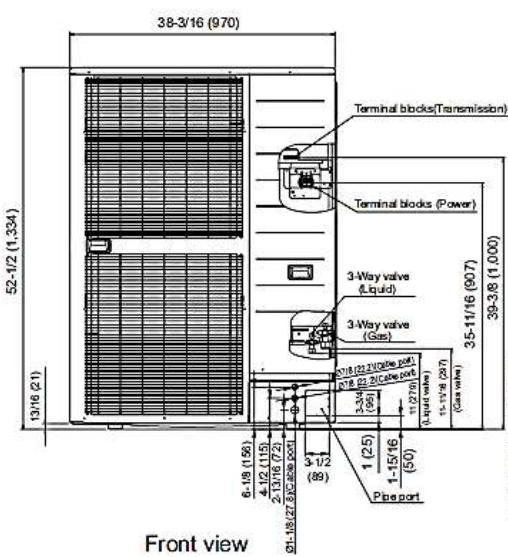
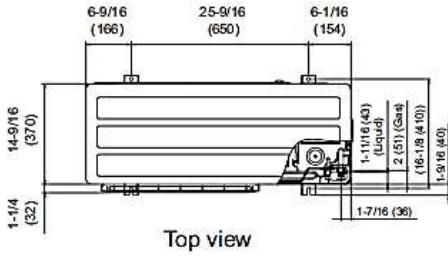
AHRI Certified	Standard 210/240
ETL	3170288

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.  
 340 Changebridge Road, 3rd Floor  
 Pine Brook, NJ 07058  
 Toll Free: (888) 888-3424  
 Fax: (973) 836-0453  
[www.fujitsugeneral.com](http://www.fujitsugeneral.com)

DIMENSIONS

Unit: in (mm)



Fujitsu General America, Inc.  
 340 Changebridge Road, 3rd Floor  
 Pine Brook, NJ 07058  
 Toll Free: (888) 888-3424  
 Fax: (973) 836-0453  
 www.fujitsugeneral.com