

SUBMITTAL 48LMAS1

AIRSTAGE

48,000 BTU Multi Position AHU

Inverter Driven Heat Pump

Job Name		
Location	Date	
Engineer	Approval	
Submitted To	Construction	
Submitted By	Unit No	
Reference	Drawing No	

PRODUCT FEATURES

Gross Weight

Effective Date:

Up to 1.0" WC 2-Wire Wired Remote Controls All Aluminum Coil Heating operation rated down to -5°F outdoor temperature Long Lineset Lengths (up to 230') Integral Electric Heat Kit (Optional) Low Air Leakage Rate (2% or less)



Outdoor Unit AOUG48LMAS1 System 48LMAS1 EFFICIENCIES 48LMAS1 SEER 17 SEER 2 16.2 EER 2 8.2 HSPF 10.2 HSPF 2 9.2 COP KW/kW 2.9 COP Btu/hW 9.9 COP 2 KW/kW 2.86 COP2 Btu/hW 9.9 COP2 Btu/hW 9.9 COP2 Btu/hW 9.7 OUTDOOR TEMPERATURE OPERATION RANGE 9.7 COP1 Btu/hW 9.9 Cooling *F(*C) 14 to 115 (-10 to 46) Heating *F(*C) 14 to 115 (-10 to 46) Cooling *F(*C) 14 to 115 (-10 to 46) Heating *F(*C) -4 to 75 (-20 to 24) Cooling Rated 30000 MinMax. Btu/h 33.000-48,000 Gas Flare 11,000-54,000 Gas ft (m) 65/8 (15.88)	MODEL NUMBERS					
System 48LMAS1 EFFICIENCIES 17 SEER 16.2 EER 8.2 EER 2 8.2 HSPF 10.2 HSPF 2 9.2 COP kW/kW 2.9 COP Btu/hW 9.9 COP2 kW/kW 2.86 COP2 Btu/hW 9.7 OUTDOOR TEMPERATURE OPERATION RANGE 9.7 Cooling *F(*C) 14 to 115 (-10 to 66) Heating *F(*C) 14 to 115 (-10 to 66) Heating *F(*C) 14 to 15 (-10 to 66) Heating *F(*C) 43000 Kated MinMax. 13,000-48,000 LINESET REQUIREMENTS 11,000-54,000 11,000-54,000 Liquid in (mm) Ø3/8 (9,52) 98 (30) Gas in (mm) 63/8 (15.88) 98 (30) Minimum Length ft (m) 320 (70) 98 (30) Minimum Length ft (m) 57 * 21 * 21 - 11/16 Gross (H × W × D)	Indoor Unit			AMUG48LMAS		
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$\begin{array}{c c c c c c c c c c c c c c c c c c c $	COP2	kW/kW		2.86		
$ \begin{array}{c c} \label{eq:cooling} \medskip \$	COP2	Btu/hW		9.7		
$ \begin{array}{c c} \label{eq:cooling} \medskip \$	OUTDOOR TEMPERATUR	E OPERATIO	N RANGE			
Heating Pf (C) -4 to 75 (-20 to 24) CAPACITIES -4 to 75 (-20 to 24) Cooling Rated MinMax. 45600 Heating Rated MinMax. 13,000-48,000 Heating MinMax. 11,000-54,000 LINESET REQUIREMENTS Flare Connection Method Flare Liquid in (mm) $Ø3/8$ (9.52) Gas in (mm) $Ø5/8$ (15.88) Pre-charge length Minimum Length Btu/h Max. length ft (m) 230 (70) Max. height difference 98 (30) 1000R DIMENSIONS & WEIGHT Net (H × W × D) in (mm) $57 \times 21 \times 21 - 11/16$ Gross (H × W × D) in (mm) $57 - 1/8 \times 23 \times 26 - 1/2$ Net (H × W × D) in (mm) 132 (60) Gross Weight Ib (kg) 132 (60) OUTDOOR DIMENSIONS & WEIGHT 132 (60) Net (H × W × D) in (mm) $39 - 5/16 \times 38 - 3/16 \times 14 - 9/16$ OUTDOOR DIMENSIONS & WEIGHT 132 (60) Net (H × W × D) in (mm) $39 - 5/16 \times 38 $	Cooling			14 to 115 (-10 to 46)		
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$ \begin{array}{ c c c c c c } \hline Cooling & \hline MinMax. \\ \hline Rated & \hline MinMax. \\ \hline Rated & \hline MinMax. \\ \hline Heating & \hline Rated & \hline MinMax. \\ \hline MinMax. & \hline Btu/h & \hline 13,000-48,000 \\ \hline MinMax. & \hline 11,000-54,000 \\ \hline LINESET REQUIREMENTS & \hline Connection Method & \hline Flare & \hline Ø3/8 (9.52) \\ \hline Gas & in (mm) & \hline Ø3/8 (9.52) \\ \hline Gas & \hline 0.0 \ Sage & \hline $	CAPACITIES	1	1			
$ \begin{array}{c c c c c c c } \hline MinMax. \\ \hline MinMax. \\ \hline MinMax. \\ \hline Rated \\ \hline MinMax. \\ \hline MinMax. \\ \hline Btu/h \\ \hline Btu$	Caslina	Rated		45600		
$ \begin{array}{c c c c c c c } \mbox{Heating} & \begin{tabular}{ c c c c c c } \hline Rated & & & & & & & & & & & & & & & & & & &$	Cooling	Min.–Max.	Du./h	13,000-48,000		
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$\begin{array}{c c c c c c c } \hline Connection Method & Flare \\ \hline Flare \\ \hline Liquid & in (mm) \\ \hline Gas & 03/8 (9.52) \\ \hline Gas & 05/8 (15.88) \\ Pre-charge length & 98 (30) \\ \hline Minimum Length & ft (m) \\ \hline Max. height difference & 98 (30) \\ \hline INDOOR DIMENSIONS & WEIGHT & 03/8 (16.51) \\ \hline Net (H × W × D) & in (mm) \\ \hline Gross (H × W × D) & 116 (kg) \\ \hline OUTDOOR DIMENSIONS & WEIGHT & 132 (60) \\ \hline OUTDOOR DIMENSIONS & WEIGHT & 146 (66) \\ \hline OUTDOOR DIMENSIONS & WEIGHT & 03/9-5/16 × 38-3/16 × 14-9/16 \\ \hline Gross (H × W × D) & in (mm) & 39-5/16 × 38-3/16 × 14-9/16 \\ \hline Gross (H × W × D) & in (mm) & 16 (mm) \\ \hline Gross (H × W × D) & in (mm) & 16 (mm) \\ \hline \end{array}$	Heating	Min.–Max.		11,000–54,000		
$ \begin{array}{c c c c c c c c c } \mbox{Liquid} & in (mm) & & & & & & & & & & & & & & & & & & $	LINESET REQUIREMENT	S				
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Gross Weight ID (Kg) 146 (66) OUTDOOR DIMENSIONS & WEIGHT 146 (66) 146 (66) Net (H × W × D) in (mm) 39-5/16 × 38-3/16 × 14-9/16 Gross (H × W × D) in (mm) 45-12/16 × 41-14/16 × 18-13/16 (1,162 × 1,064 × 478)	· · · · ·					
OUTDOOR DIMENSIONS & WEIGHT Net (H x W x D) in (mm) Gross (H x W x D) 45-12/16 × 41-14/16 × 18-13/16 (1,162 × 1,064 × 478)		– Ib (kg)				
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Gross (H x W x D) 45-12/16 × 41-14/16 × 18-13/16 (1,162 × 1,064 × 478)				39-5/16 x 38-3/16 x 1/-9/16		
		in (mm)	45-12/16 × 41-1			
Net Weight 100 Juni	Net Weight		.5 12/10 411	198 (90)		
	Gross Weight	lb (kg)				

Warranty Information



7 Year Compressor, 5 Year Parts out-of-the-box Warranty



10 Year Compressor, 10 Year Parts Warranty when registered within 60 days of installation in a residence

12 Year Compressor, 12 Year Parts Warranty when registered within 60 days of installation in a residence, and installed by a Fujitsu Elite contractor

ACCESSORIES	
UTY-RNRUZ*	Wired Remote Controller
UTY-RSRY	Simple Remote Controller
UTY-RHRY	Simple Remote Controller
UTY-LBTUM	IR Receiver Kit with Wireless Remote Controller
UTY-XSZX	Remote Sensor Unit
UTY-XWZXZG	External Connect Kit
UTY-XCSX	External Input and Output PCB
UTY-XWZXZJ	Wire Kit
UTY-VTGX	Network Converter
UTY-TTRXZ1	Thermostat Converter

Due to continuous product improvements, specifications are subject to change without notice. Please log in to the Fujitsu Portal for the most up-to-date documentation https://connect.fujitsugeneral.com

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220 (100)

FUjorSU

SUBMITTAL 48LMAS1

AIRSTAGE

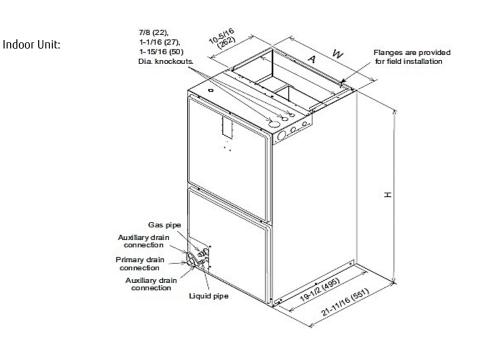
Inverter Driven Heat Pump

48,000 BTU Multi Position AHU

FAN DATA				
Indoor Unit Airflow rate	Cooling	HIGH MED LOW QUIET		1,640 (2,786) 1,020 (1,733) 820 (1,393) 590 (1,002)
	Heating	HIGH MED LOW QUIET	CFM (m3/h)	1,640 (2,786) 1,020 (1,733) 820 (1,393) 590 (1,002)
Outdoor Unit Airflow	Cooling		2,590 (4,400)	
rate	Heating			2,590 (4,400)
SOUND PRESSURE				
Indoor Unit	Cooling	HIGH MED LOW QUIET		48 36 31 25
	Heating	HIGH MED LOW QUIET	dB (A)	47 37 32 29
Outdoor Unit	Cooling Heating			54 55
REFRIGERANT			·	
Туре				R410A
Charge	lb oz g			9 lb 8 oz 4300
Oil Type		· ·		POE (RB68)

ELECTRICAL SPEC	FICATIONS			
Voltage/Frequenc	y/Phase			208/230 V ~ 60 Hz
Available Voltage	Range			187–253 V
Current	Cooling	Rated		24.4
cullent	Heating	Rated		23.8
Aaximum Operating Current		Cooling		32.4
	ing current	Heating	A	32.4
Starting current				20.1
MCA				39.9
Maximum Circuit	Breaker			40
	Cooling	Rated		5.56
Input Power		Min.–Max.	kW	0.85-5.94
inputrower	Heating	Rated		5.43
		Min.–Max.		0.67–5.42
Power Factor	Cooling		%	99.1
Towerractor	Heating		70	99.2
OTHER				
Moisture Remova		pints/h (L/h)		4.6 (2.2)
Energy Star				No
	Material		LDPE	
Drain hose	Tip diameter	in (mm)	Ø1/2 (13.0) [I.D.], Ø5/8 to Ø11	
		°F (°C)	(16.0 to 16.7) [0.D.	
Operation Range	Cooling	%RH	64 to 90 (18 to 32	
operation Range	Heating	°F (°C)		
Static proceuro rar	Heating			60 to 86 (16 to 30) 08 to 1 (20 to 250)
Static pressure rar	ige	inWG (Pa)	0.	00 10 1 (20 10 230)

DIMENSIONS:



				Return Openir
Model	A (Supply duct)	W (Unit width)	H (Unit height)	Width
AMUG48LMAS	19-1/2 (495)	21 (533)	57 (1,448)	19 3/8

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Units: In. (mm)

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SUBMITTAL 48LMAS1

AIRSTAGE

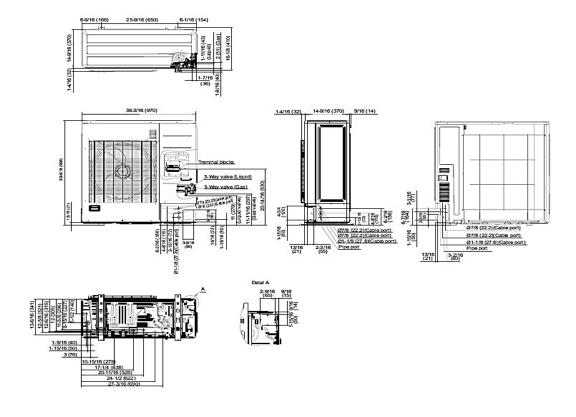
Inverter Driven Heat Pump

DIMENSIONS

48,000 BTU Multi Position AHU

Units: In. (mm)

Outdoor Unit



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Note: Specifications are based on the following conditions: Cooling: Indoor temperature of 80°F (26.7°C) DB/G7°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/G0°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: Oft. (Om) (Outdoor unit – indoor unit).

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