

# SUBMITTAL 09LMAH1



# Inverter Driven Heat Pump

### 9,000 BTU Single Zone High SEER Wall Mounted System

Date	
Approval	
Construction	
Unit No	
Drawing No	
	Approval Construction Unit No

#### **PRODUCT FEATURES**

Auto Changeover 24 hr. Timer Auto Louver: Up/Down Minimum Heat Mode Wireless Remote control Auto Restart Economy Mode Auto Fan Mode



#### Heating down to 15°E outdoor temperatures

MODEL NUMBERS           Indoor Unit         ASUH09LMAS           Outdoor Unit         AOUH09LMAH1           System         09LMAH1           EFFICIENCIES         SEER           SEER         26.5           EER         15.4           HSPF         13           COP         15.2           OUTDOOR TEMPERATURE OPERATION RANGE           Cooling         Rated           Min.—Max.         3,400—11,500           Heating         Pare           Min.—Max.         BTU/hW           Heating         9,000           Min.—Max.         2,800—16,000           LINESET REQUIREMENTS         Flare           Connection Method         Flare           Liquid         Ø 14 (Ø 6.35)           Gas         Ø 38 (Ø 9.52)           Pre-Charge Length Minimum Length Maximum			Heating down to -15°F outdoor temperatures		
Outdoor Unit         AOUH09LMAH1           System         O9LMAH1           EFFICIENCIES           SEER         26.5           EER         15.4           HSPF         13           COP         15.2           OUTDOOR TEMPERATURE OPERATION RANGE           Cooling         Rated Min.—Max.         14 to 115 (-10 to 46)           Heating         Rated Min.—Max.         9,000           Linument Min.—Max.         BTU/hW         3,400—11,500           Linument Min.—Max.         BTU/hW         3,400—11,500           Linument Min.—Max.         BTU/hW         3,400—11,500           Linument Min.—Max.         BTU/hW         3,400—11,500           Linument Min.—Max.         Prevenue Texture Mean Min.—Max.         Prevenue Texture Min.           Connection Method         Flare           Connection Method         Flare           Connection Method         Flare           Min (mm)         Ø 1/4 (Ø 6.35)           Gass         Ø 1/4 (Ø 6.35)           Maximum Length         ft (m)         Maximum Length         Maximum Length           Maximum Leng	MODEL NUMBER	S			
System	Indoor Unit		ASUH09LMAS		
EFFICIENCIES           SEER         26.5           EER         15.4           HSPF         13           COP         15.2           OUTDOOR TEMPERATURE OPERATION RANGE           Cooling         "F("C)         14 to 115 (-10 to 46)           Heating         Rated         9,000           Min.—Max.         BTU/hW         3,400—11,500           Heating         Rated         12,000           Min.—Max.         2,800—16,000           LINESET REQUIREMENTS         Flare           Connection Method         Flare           Liquid         0 1/4 (Ø 6.35)           Gas         fs (m)         0 3/8 (Ø 9.52)           Pre-Charge Length         49 (15)           Minimum Length         49 (15)           Maximum Length         49 (15)           Max. Height Diff.         10 (3)           Indicate the color of	Outdoor Unit				
SEER         26.5           EER         15.4           HSPF         13           COP         15.2           OUTDOOR TEMPERATURE OPERATION RANGE           Cooling         F(°C)         14 to 115 (-10 to 46)           Heating         F(°C)         -15 to 75 (-26 to 24)           CAPACITIES           Cooling         Rated Min.—Max.         8 ated Min.—Max.           Heating         BTU/hW         3,400—11,500           Lineset Requirements         End           Connection Method         Flare           Liquid         6 1/4 (Ø 6.35)           Gas         in (mm)         Ø 3/8 (Ø 9.52)           Pre-Charge Length Minimum Length Minimum Length         ft (m)         66 (20)           Max. Height Diff.         10 (3)         49 (15)           INDOOR DIMENSIONS & WEIGHT         10-5/8 × 32-13/16 × 8-3/4 mm         (270 × 834 × 222)           in mm         (277 × 914 × 332)         (277 × 914 × 332)           Net Weight         Ib (kg)         29 (13)           OUTDOOR DIMENSIONS & WEIGHT           Net (H x W x D)         in mm         (542 × 799 × 290)           mm         (542 × 799 × 290)           mm         (60				09LMAH1	
EER	EFFICIENCIES				
HSPF	SEER			26.5	
COP	EER			15.4	
OUTDOOR TEMPERATURE OPERATION RANGE           Cooling         F(*C)         14 to 115 (-10 to 46)           Heating         F(*C)         -15 to 75 (-26 to 24)           CAPACITIES           Cooling         Min.—Max.         3,400—11,500           Heating         Rated Min.—Max.         12,000           LINESET REQUIREMENTS         Flare           Connection Method         Flare           Liquid         Ø 1/4 (Ø 6.35)           Gas         in (mm)         Ø 3/8 (Ø 9.52)           Pre-Charge Length         49 (15)           Minimum Length         49 (15)           Max. Height Diff.         49 (15)           INDOOR DIMENSIONS & WEIGHT         10-5/8 × 32-13/16 × 8-3/4           Met (H x W x D)         in mm         (270 × 834 × 222)           Gross (H x W x D)         in mm         (277 × 914 × 332)           Net Weight         Ib (kg)         29 (13)           OUTDOOR DIMENSIONS & WEIGHT         21-5/16 × 31-7/16 × 11-7/16           Net (H x W x D)         im mm         (542 × 799 × 290)           mm         (542 × 799 × 290)           Gross (H x W x D)         im mm         (602 × 940 × 375)           Net Weight         Ib (kg)         73 (33)	HSPF			13	
Cooling         *F(*C)         14 to 115 (-10 to 46)           Heating         -15 to 75 (-26 to 24)           CAPACITIES         Rated         9,000           Cooling         Rated Min.—Max.         3,400—11,500           Heating         Rated Min.—Max.         2,800—16,000           LINESET REQUIREMENTS         Flare           Connection Method         Flare           Liquid         Ø 1/4 (Ø 6.35)           Gas         in (mm)         Ø 3/8 (Ø 9.52)           Pre-Charge Length         49 (15)           Minimum Length         66 (20)           Max. Height Diff         49 (15)           INDOOR DIMENSIONS & WEIGHT         10-5/8 × 32-13/16 × 8-3/4           Met (H x W x D)         in         10-7/8 × 36 × 13-1/16           mm         (270 × 834 × 222)           Net Weight         Ib (kg)         29 (13)           OUTDOR DIMENSIONS & WEIGHT         21-5/16 × 31-7/16 × 11-7/16           Net (H x W x D)         in         21-5/16 × 31-7/16 × 11-7/16           mm         (542 × 799 × 290)           Gross (H x W x D)         in         23-11/16 × 37 × 14-3/4           mm         (602 × 940 × 375)         1b (kg)           Het Weight         Ib (kg)         73 (33) <td>COP</td> <td></td> <td></td> <td>15.2</td>	COP			15.2	
Heating	OUTDOOR TEMP	<b>ERATURE OPE</b>	RATION RANG	E	
Reating	Cooling	°E(°C)			
Cooling         Rated Min.—Max.         9,000           Heating         Rated Min.—Max.         3,400—11,500           LINESET REQUIREMENTS         2,800—16,000           Connection Method         Flare           Liquid         Ø 1/4 (Ø 6.35)           Gas         Ø 3/8 (Ø 9.52)           Pre-Charge Length Minimum Length Max. Height Diff.         49 (15)           Max. Height Diff.         10 (3)           Max. Height Diff.         49 (15)           INDOOR DIMENSIONS & WEIGHT         10-5/8 × 32-13/16 × 8-3/4           Net (H x W x D)         in 10-7/8 × 36 × 13-1/16           Gross (H x W x D)         in 10-7/8 × 36 × 13-1/16           Met Weight         Ib (kg)           OUTDOOR DIMENSIONS & WEIGHT         22 (10)           Gross Weight         22 (10)           Gross (H x W x D)         in 21-5/16 × 31-7/16 × 11-7/16           mm         (542 × 799 × 290)           Gross (H x W x D)         in 23-11/16 × 37 × 14-3/4           mm         (602 × 940 × 375)           Net Weight         Ib (kg)		1(0)		-15 to 75 (-26 to 24)	
Cooling   Min.—Max.   BTU/hW   3,400—11,500   12,000	CAPACITIES				
Heating	Cooling			-,	
Heating   Rated	Cooming	Min.—Max.	BTII/bW/		
Net (H x W x D)   In   Series (H x W x D)   In   Series (H x W x D)	Heating		BTO/IIW	·	
Connection Method         Flare           Liquid         in (mm)         Ø 1/4 (Ø 6.35)           Gas         in (mm)         Ø 3/8 (Ø 9.52)           Pre-Charge Length         49 (15)           Minimum Length         49 (15)           Max. Height Diff.         49 (15)           INDOOR DIMENSIONS & WEIGHT         49 (15)           Net (H x W x D)         in 10-5/8 × 32-13/16 × 8-3/4 mm (270 × 834 × 222)           More (H x W x D)         in 10-7/8 × 36 × 13-1/16 mm (277 × 914 × 332)           Net Weight         1b (kg)         22 (10)           Gross Weight         29 (13)           OUTDOOR DIMENSIONS & WEIGHT         10-5/16 × 31-7/16 × 11-7/16 mm (542 × 799 × 290)           Gross (H x W x D)         in mm (542 × 799 × 290)           Gross (H x W x D)         in 23-11/16 × 37 × 14-3/4 mm (602 × 940 × 375)           Net Weight         Ih (kg)         73 (33)				2,800—16,000	
Liquid         in (mm)         Ø 1/4 (Ø 6.35)           Gas         Ø 3/8 (Ø 9.52)           Pre-Charge Length Minimum Length Max. Height Diff.         49 (15)           Max. Height Diff.         49 (15)           Net (H x W x D)         in 10-5/8 × 32-13/16 × 8-3/4 mm (270 × 834 × 222)           Gross (H x W x D)         in 10-7/8 × 36 × 13-1/16 mm (277 × 914 × 332)           Net Weight Gross Weight         Ib (kg)         22 (10)           OUTDOOR DIMENSIONS & WEIGHT         21-5/16 × 31-7/16 × 11-7/16 mm (542 × 799 × 290)           Gross (H x W x D)         in 21-5/16 × 31-7/16 × 11-7/16 mm (542 × 799 × 290)           Gross (H x W x D)         in 23-11/16 × 37 × 14-3/4 mm (602 × 940 × 375)           Net Weight         Ib (kg)         73 (33)					
Gas         In (mm)         Ø 3/8 (Ø 9.52)           Pre-Charge Length Minimum Length Max. Height Diff.         49 (15)           Maximum Length Max. Height Diff.         66 (20)           Net (H x W x D)         in mm         10-5/8 × 32-13/16 × 8-3/4           In mm         (270 × 834 × 222)           Gross (H x W x D)         in mm         (277 × 914 × 332)           Net Weight Gross Weight         Ib (kg)         22 (10)           OUTDOOR DIMENSIONS & WEIGHT         in 21-5/16 × 31-7/16 × 11-7/16           Net (H x W x D)         in mm         (542 × 799 × 290)           Gross (H x W x D)         in mm         (602 × 940 × 375)           Net Weight         Ib (kg)         73 (33)		d			
Gas   Pre-Charge Length   Minimum Length   ft (m)		in (mm)		, ,	
Minimum Length Maximum Length Max. Height Diff.         ft (m)         10 (3)           Max. Height Diff.         49 (15)           INDOOR DIMENSIONS & WEIGHT           Net (H x W x D)         in mm         10-5/8 × 32-13/16 × 8-3/4 mm           Gross (H x W x D)         in mm         10-7/8 × 36 × 13-11/16 mm           Net Weight Gross Weight         b (kg)         22 (10)           OUTDOOR DIMENSIONS & WEIGHT         21-5/16 × 31-7/16 × 11-7/16 mm         11-7/16 × 37 × 14-3/4 mm           Gross (H x W x D)         in mm         23-11/16 × 37 × 14-3/4 mm         (602 × 940 × 375) mm           Net Weight         Ib (kg)         73 (33)		` ′		Ø 3/8 (Ø 9.52)	
Maximum Length Max. Height Diff.         ft (m)         66 (20)           INDOOR DIMENSIONS & WEIGHT         49 (15)           Net (H x W x D)         in 10-5/8 × 32-13/16 × 8-3/4 (270 × 834 × 222)           Gross (H x W x D)         in 10-7/8 × 36 × 13-1/16 (277 × 914 × 332)           Net Weight Gross Weight         1b (kg)         22 (10)           OUTDOOR DIMENSIONS & WEIGHT         21-5/16 × 31-7/16 × 11-7/16 (542 × 799 × 290)           Gross (H x W x D)         in (542 × 799 × 290)           Gross (H x W x D)         in (602 × 940 × 375)           Net Weight         Ih (kg)         73 (33)					
Maximum Length         66 (20)           Max. Height Diff.         49 (15)           INDOOR DIMENSIONS & WEIGHT         10-5/8 × 32-13/16 × 8-3/4           Net (H x W x D)         in mm         (270 × 834 × 222)           Gross (H x W x D)         in 10-7/8 × 36 × 13-1/16           mm         (277 × 914 × 332)           Net Weight         10 (277 × 914 × 332)           Gross Weight         22 (10)           OUTDOOR DIMENSIONS & WEIGHT           Net (H x W x D)         in 10 (542 × 799 × 290)           Gross (H x W x D)         in 23-11/16 × 37 × 14-3/4           in 23-11/16 × 37 × 14-3/4         in (602 × 940 × 375)           Net Weight         Ib (kg)         73 (33)		ft (m)	10 (3)		
Net (H x W x D)					
Net (H x W x D)         in mm         10-5/8 × 32-13/16 × 8-3/4 mm           Gross (H x W x D)         in 10-7/8 × 36 × 13-1/16 mm         (277 × 914 × 332)           Net Weight Gross Weight OUTDOOR DIMENSIONS & WEIGHT         1b (kg)         22 (10)           Net (H x W x D)         in 21-5/16 × 31-7/16 × 11-7/16 mm         (542 × 799 × 290)           Gross (H x W x D)         in 23-11/16 × 37 × 14-3/4 mm         (602 × 940 × 375)           Net Weight         Ib (kg)         73 (33)					
Net (H x W x D)         mm         (270 × 834 × 222)           Gross (H x W x D)         in         10-7/8 × 36 × 13-1/16           mm         (277 × 914 × 332)           Net Weight         Discrete (10)         22 (10)           Gross Weight         29 (13)           OUTDOOR DIMENSIONS & WEIGHT         In         21-5/16 × 31-7/16 × 11-7/16           Net (H x W x D)         mm         (542 × 799 × 290)           Gross (H x W x D)         in         23-11/16 × 37 × 14-3/4           mm         (602 × 940 × 375)           Net Weight         Ib (kg)         73 (33)	INDOOR DIMENS	IONS & WEIGH	T		
mm         (270 × 834 × 222)           Gross (H x W x D)         in         10-7/8 × 36 × 13-1/16           mm         (277 × 914 × 332)           Net Weight         22 (10)           Gross Weight         29 (13)           OUTDOOR DIMENSIONS & WEIGHT           Net (H x W x D)         in         21-5/16 × 31-7/16 × 11-7/16           mm         (542 × 799 × 290)           Gross (H x W x D)         in         23-11/16 × 37 × 14-3/4           mm         (602 × 940 × 375)           Net Weight         Ib (kg)         73 (33)	Net (H x W x D)			1 111 1 11 11 11	
Gross (H x W x D)           Met Weight         Ib (kg)         22 (10)           Gross Weight         29 (13)           OUTDOOR DIMENSIONS & WEIGHT           Net (H x W x D)         in mm         21-5/16 × 31-7/16 × 11-7/16 mm           Gross (H x W x D)         in (542 × 799 × 290)           Gross (H x W x D)         in (602 × 940 × 375)           Net Weight         Ib (kg)         73 (33)		mm	/		
Mm	Gross (H x W x D)	in			
Gross Weight         Ib (kg)         29 (13)           OUTDOOR DIMENSIONS & WEIGHT           Net (H x W x D)         in         21-5/16 × 31-7/16 × 11-7/16           mm         (542 × 799 × 290)           Gross (H x W x D)         in         23-11/16 × 37 × 14-3/4           mm         (602 × 940 × 375)           Net Weight         Ib (kg)         73 (33)		mm		, ,	
29 (13)   29 (13)   29 (13)   20 (13)   20 (13)   20 (13)   21-5/16 × 31-7/16 × 11-7/16   21-5/16 × 31-7/16 × 11-7/16   21-5/16 × 31-7/16 × 11-7/16   21-5/16 × 31-7/16 × 11-7/16   21-5/16 × 31-7		lb (ka)		. ,	
Net (H x W x D)         in mm         21-5/16 × 31-7/16 × 11-7/16 mm         (542 × 799 × 290)           Gross (H x W x D)         in 23-11/16 × 37 × 14-3/4 mm         (602 × 940 × 375)           Net Weight         Ib (kg)         73 (33)		( 0,			
Net (H x W x D)     mm     (542 × 799 × 290)       Gross (H x W x D)     in     23-11/16 × 37 × 14-3/4       mm     (602 × 940 × 375)       Net Weight     Ih (kg)     73 (33)	OUTDOOR DIMEN	NSIONS & WEIG	SHT		
mm         (542 × 799 × 290)           Gross (H x W x D)         in         23-11/16 × 37 × 14-3/4           mm         (602 × 940 × 375)           Net Weight         Ib (kg)         73 (33)	Net (H x W x D)	in			
Gross (H x W x D) mm (602 × 940 × 375)  Net Weight lb (kg) 73 (33)		mm	,		
Mm	Gross (H v W v D)	in		23-11/16 × 37 × 14-3/4	
	C1033 (11 X VV X D)	mm	(602 × 940 × 3		
Gross Weight 79 (36)	Net Weight	lh (ka)	73 (33)		
	Gross Weight	in (ng)	79 (36)		



12/17/2020

Effective Date:

Indoor Unit ETL#: 91987 Outdoor Unit ETL#: 91987

Version 09LMAH1 -2020A





### 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	<b>;</b>
UTY-TTRX	3rd Party Thermostat Converter
UTY-TWRXZ2	Interface Kit
UTY-RNRUZ4	Wired Remote Controller (Touch Panel)
UTY-RSRY	Simple Remote Control
UTY-TFSXF1	WiFi Interface Module
UTY-XWZXZ5	Dry Contact Wire Kit



This system combination is Energy Star qualified



+App available in Apple® App Store and Google® Play Store.

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://portal.fujitsugeneral.com

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### **Inverter Driven Heat Pump**

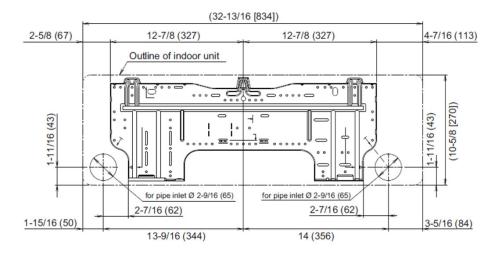
### 9,000 BTU Single Zone High SEER Wall Mounted System

FAN DATA				
Indoor Unit Airflow Rate	Cooling	High	- CFM (m3/h)	453 (770)
		Medium		353 (600)
		Low		265 (450)
		Quiet		147 (250)
	Heating	High		453 (770)
		Medium		377 (640)
		Low		306 (520)
		Quiet		182 (310)
Outdoor Unit	Cooling			901 (1,530)
Airflow Rate	Heating			901 (1,530)
SOUND PRESSU	RE			
		High		43
	Cooling	Medium		36
		Low	dB (A)	30
Indoor Unit		Quiet		19
indoor offit	Heating	High		43
		Medium		38
		Low		33
		Quiet		21
Outdoor Unit	Cooling			46
	Heating			48
REFRIGERANT				
Туре				R410A
Charge	lb oz			2lb.3oz
	kg			1
Oil Type				POE (RB68A)

<b>ELECTRICAL</b>	SPECIFICATION	NS		
Voltage/Frequency/Phase 208/230 V / 10			230 V / 1Ø / 60Hz	
Voltage Range				187-253V~60HZ
Current	Cooling	Rated		3
	Heating	Rated		3.9
Maximum Oper	rating Current	Cooling		6.9
waxiiiiuiii Opei	atting Current	Heating	Α	9.4
Starting Curren	it			3.9
MCA	MCA			12.5
Maximum Circu	uit Breaker			15
	Cooling	Rated		0.585
Input Power	Cooling	Min.—Max.	kW	0.14—1.27
input i owei	Heating	Rated	. KVV	0.79
	ricating	Min.—Max.		0.14—1.67
Power Factor	Cooling		%	84.8
	Heating		70	88.1
OTHER				
Moisture Remo	val	pints/h (L/h)		2.7 (1.3)
Energy Star				Yes
Drain hose	Material	PP+HDPE		
Size	in (mm)	Ø17/32 (Ø 13.8) (I.D.), Ø19/32 to 21/32 (Ø 15.0 to 16.8) (O.D.)		
Operation Range	Cooling	°F (°C)	°F (°C) 64 to 90 (18 to 32	
		%RH	RH 80 or less	
	Heating	°F (°C)	60 to 86 (16 to 30)	

# Wall Bracket Data:

Units: In. (mm)



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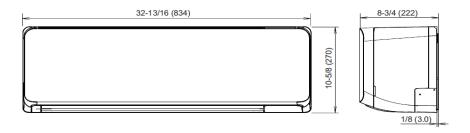
Note: Specifications are based on the following conditions: Cooling: Indoor temperature of  $80^{\circ}$ F ( $26.7^{\circ}$ C) DB/ $67^{\circ}$ F ( $19.4^{\circ}$ C) WB, and outdoor temperature of  $95^{\circ}$ F ( $35^{\circ}$ C) DB/ $75^{\circ}$ F ( $23.9^{\circ}$ C) WB. Heating: Indoor temperature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

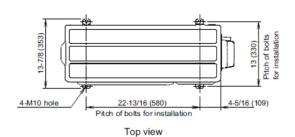


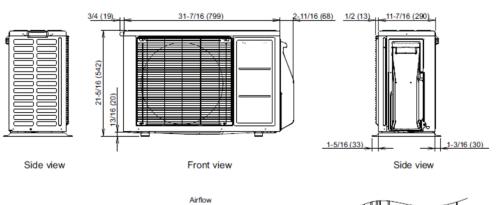
**Inverter Driven Heat Pump** 

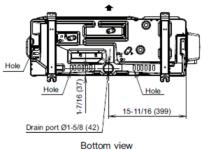
9,000 BTU Single Zone High SEER Wall Mounted System

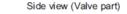
DIMENSIONS Units: In. (mm)











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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).

7-1/16 (180)

4-1/4 (184)