



**SUBMITTAL DATA – FLOOR CEILINGTYPE  
LIHP048000T431E - LIUH048021T431E-1  
SINGLE ZONE INVERTER MINI-SPLIT HEAT PUMP**

Job: \_\_\_\_\_  
Location: \_\_\_\_\_  
Schedule No.: \_\_\_\_\_  
System Designation: \_\_\_\_\_

Engineer: \_\_\_\_\_  
Architect: \_\_\_\_\_  
Date: \_\_\_\_\_

**FEATURES**

Outdoor Unit: **LIHP048000M431E**  
Outdoor Unit Cat Number: **Y8195**



- DC ODU Motor
- Golden Fin

Indoor Unit: **LIUH048021T431E-1**  
Indoor Unit Cat Number: **Y8909**



- Auto Restart
- Follow Me function
- Wireless Remote Included
- Horizontal & Vertical Swing

**PIPING**

**Line Set and Elevation Guidelines**

Maximum Line Set Length ft. (m)	213.2 ft. (65 m)
Maximum Elevation - Outdoor Unit Below/Above Indoor Unit ft. (m)	98.4 ft. (30 m)
Liquid Line Set Diameter (in.)	3/8"
Gas Line Set Diameter (in.)	5/8"

**PRODUCT WARRANTY**

5 Year Limited Warranty\*

**OPTIONAL ACCESORIES**

Wired Control (21F37, KJR-120G2/TFBG-E-02)



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**OUTDOOR SPECIFICATIONS**

**PERFORMANCE**

Cooling Capacity (Btu/h)	48,000
EER(W/W)	2.48
ESEER(BTUH/W)	20.8
Heating Capacity (Btu/h)	55,000
SCOP	4.0

Outdoor Fan Total Air Volume (CFM)	4,000
Ambient Temperature Operating Range	
Cooling	5°F(-15°C) - 122°F(50°C)
Heating	5°F(-15°C) - 75°F(24°C)

**ELECTRICAL DATA**

Power Supply (V/Hz/ϕ)	220-240/50/1
Minimum Circuit Ampacity (A)	/
Maximum Overcurrent Protection (A)	/
Outdoor Fan Motor RLA (A)	1.08
Compressor RLA (A)	6.85
No. of Compressors	1

**GENERAL DATA**

Connection Ratio (%)	100%
Max. # of Indoor Units	1
Sound Data (dBA) - Cooling/Heating	65
Refrigerant type	R-410A
Factory refrigerant charge	8.8 lbs. 140.8 oz.

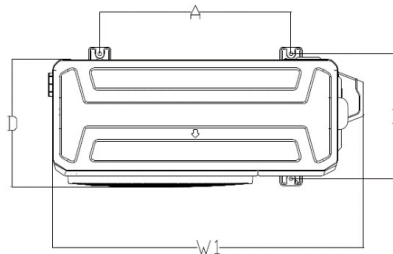
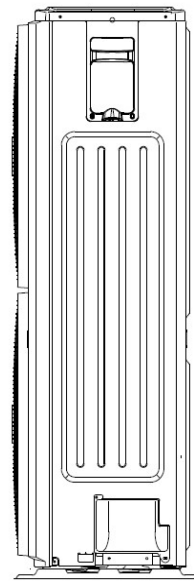
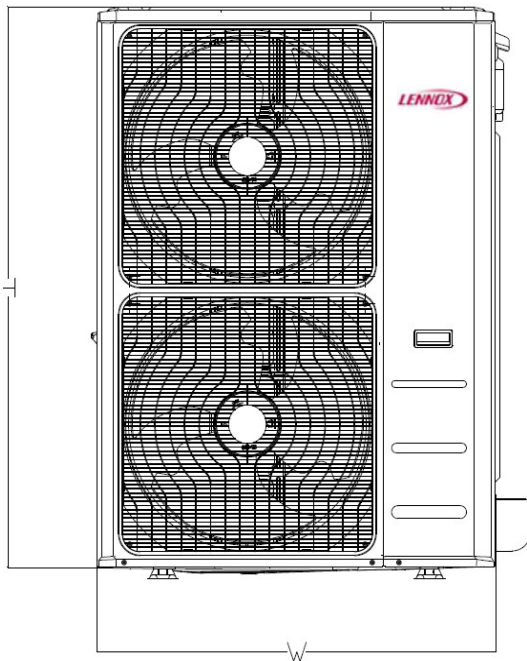
**DIMENSIONS**

Unit Dimensions (in)	Height	52.5
	Width	37.5
	Depth	16.3
Shipping Weight (lb)		238.5
Net Weight (lb)		209.2

**NOTES**

Cooling and Heating Capacity data is rated at the following conditions:  
Cooling: 80°FDB / 67°FWB Indoor, 95°FDB/ 75°FWB Outdoor  
Heating: 70°FDB / 60°FWB Indoor, 47°FDB/ 43°FWB Outdoor

**OUTDOOR DIMENSIONAL DRAWINGS - INCHES (MM)**



ODU	Inch	mm
W	37.5	952
D	16.3	415
H	52.5	1333
W1	41.1	1045
A	25.0	634
B	15.9	404

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**INDOOR SPECIFICATIONS**

**PERFORMANCE**

Airflow (CFM)	Turbo	/
	High	1370
	Medium	1135
	Low	834
External Static Pressure (in. w.g.)		-
Sound Pressure (dBA)	Turbo	/
	High	54
	Medium	50
	Low	46

**ELECTRICAL DATA**

Power Supply (V/Hz/ϕ)	220-240/50/1
Rated load amps (RLA)	.94
Power Output (W)	90

**DIMENSIONS**

Unit Dimensions (in)	Height	9.3
	Width	65
	Depth	26.6
Unit Net/Shipping Weight (lb)		90.6/104.7

**WIRELESS REMOTE CONTROLLER SPECIFICATION**

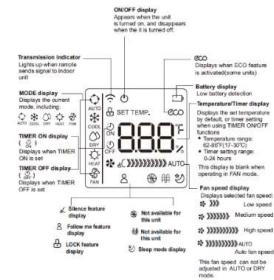
**21F34 (RG66A1/BGEF)**

Power Supply	2 AAA Batteries (Included)
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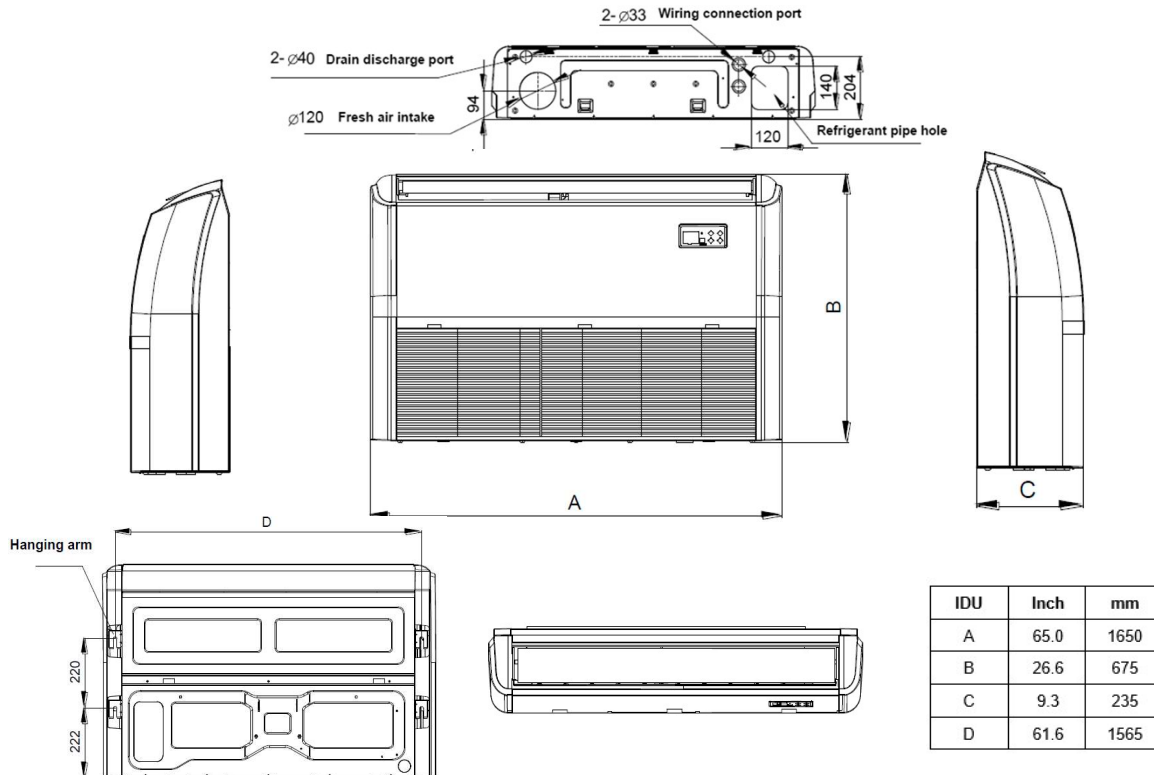
Setpoint Range	62°F(17°C) - 86°F(30°C)
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Effective Receiving Range	26 ft.(8m)
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**DISPLAY**



**INDOOR DIMENSIONAL DRAWINGS - INCHES (MM)**



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