SUBMITTAL DATA – FAN COIL
LISH048160U332 - LIFHC048160U332
SINGLE ZONE INVERTER MINI-SPLIT HEAT PUMP

Job:	Engineer:
Location:	Architect:
Schedule No.:	Date:
System Designation:	

FEATURES

Outdoor Unit: **LISH048160U332**
Outdoor Unit Cat Number: **37H85**

- DC Inverter Compressor
- DC ODU Motor
- DC Electronic Expansion Valve(EXV)

Indoor Unit: **LIFHC048160U332**
Indoor Unit Cat Number: **37J04**

- Auto Restart
- Compact Design
- Wired Control Included
- Washable Filter Included
- Water Pump Included
- 9 Level Static pressure mode

PIPING

Line Set and Elevation Guidelines	
Maximum Line Set Length ft. (m)	246.1 ft. (75 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

NOTE – Due to Lennox' ongoing commitment to quality, Specifications, Ratings, and Dimensions are subject to change without notice and without incurring liability. Improper installation, adjustment, alteration, service or maintenance can cause property damage or personal injury. Installation and service must be performed by a qualified installer and servicing agency

495616 (202407) ©2024 Lennox Industries, Inc.

SUBMITTAL DATA – FAN COIL
LISH048160U332 - LIFHC048160U332
SINGLE ZONE INVERTER MINI-SPLIT HEAT PUMP

OUTDOOR SPECIFICATIONS

PERFORMANCE	
Cooling Capacity (Btu/h)	47,700
EER(W/W)	3.04
SEER(BTUH/W)	16
Heating Capacity (Btu/h)	54,600
HSPF	8

Outdoor Fan Total Air Volume (CFM)	3,060
Ambient Temperature Operating Range	
Cooling	5°F(-15°C) - 118°F(48°C)
Heating	5°F(-15°C) - 75°F(24°C)

ELECTRICAL DATA	
Power Supply (V/Hz/ϕ)	220-240-50/60-1
Rated Current (A)	26
Minimum Circuit Ampacity (A)	-
Maximum Overcurrent Protection (A)	-
Compressor RLA (A)	4.9
No. of Compressors	1

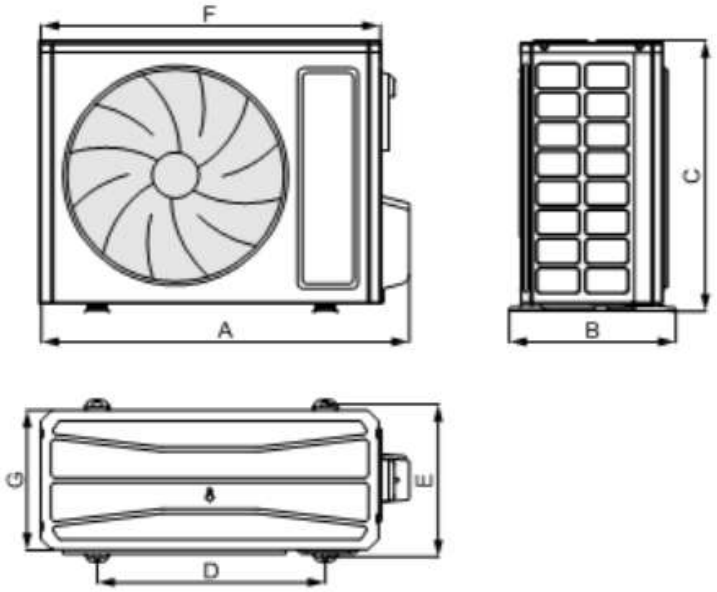
GENERAL DATA	
Connection Ratio (%)	100%
Max. # of Indoor Units	1
Sound Data (dBA) - Cooling/Heating	59
Refrigerant type	R32
Factory refrigerant charge	5.29 lbs. 84.7 oz.

DIMENSIONS		
Unit Dimensions (in)	Height	32.3
	Width	37.0
	Depth	14.6
Shipping Weight (lb)		169.8
Net Weight (lb)		154.3

NOTES

1. Cooling and Heating Capacity data is rated at the following conditions:
Cooling: 80°FDB / 67°FWB Indoor, 95°FDB/ 75°FWB Outdoor
Heating: 68°FDB / 59°FWB Indoor, 45°FDB/ 43°FWB

OUTDOOR DIMENSIONAL DRAWINGS - INCHES (MM)



ODU	UNIT	A	B	C	D	E	F	G
42K/48K/54K	mm	1020	427	820	635	396	940	370
	inch	40.16	16.81	32.28	25.00	15.59	37.01	14.57

NOTE – Due to Lennox' ongoing commitment to quality, Specifications, Ratings, and Dimensions are subject to change without notice and without incurring liability. Improper installation, adjustment, alteration, service or maintenance can cause property damage or personal injury. Installation and service must be performed by a qualified installer and servicing agency

495616 (202407) ©2024 Lennox Industries, Inc.

SUBMITTAL DATA – FAN COIL
LISH048160U332 - LIFHC048160U332
SINGLE ZONE INVERTER MINI-SPLIT HEAT PUMP

INDOOR SPECIFICATIONS

PERFORMANCE

Airflow (CFM)	Turbo	1294
	High	1117
	Medium	1059
	Low	883
External Static Pressure (Pa)		50
Sound Pressure (dBA)	Turbo	46
	High	45
	Medium	44
	Low	42

ELECTRICAL DATA

Power Supply (V/Hz/ϕ)	220-240-50/60-1
Full load amps (FLA)	-
Power Output (W)	-

DIMENSIONS

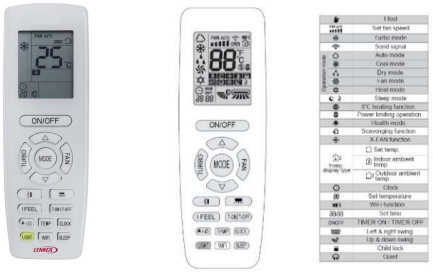
Unit Dimensions (in)	Height	10.2
	Width	52.8
	Depth	25.8
Unit Net/Shipping Weight (lb)		94.8/108

WIRELESS REMOTE CONTROLLER SPECIFICATIONS

37B67 (YAP1F7)

Power Supply	2 AAA Batteries (Included)
Setpoint Range	61°F(16ºC) - 86°F(30ºC)
Effective Receiving Range	26 ft.(8m)

DISPLAY

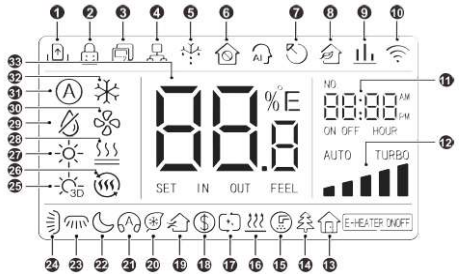


WIRED CONTROLLER SPECIFICATIONS

37J42 LCACWIFI1-1332

Power Supply	DC 12V, Supplied by IDU
Setpoint Range	61°F(16ºC) - 86°F(30ºC)
Effective Receiving Range	188 ft.(30m)

DISPLAY

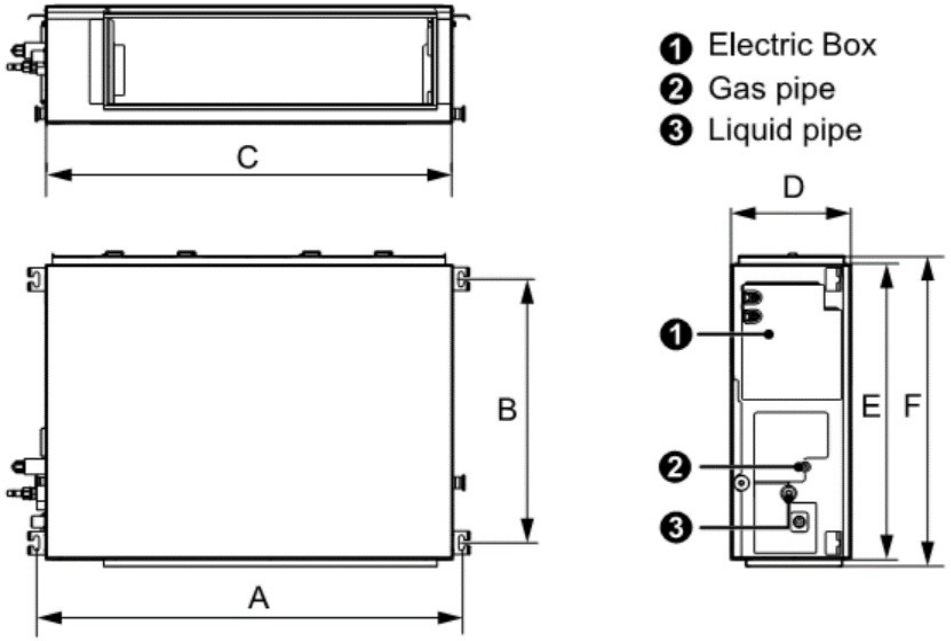


1. Gate-control function.
2. Child Lock status.
3. Slave wired controller (address of wired controller is 02).
4. One wired controller controls multiple indoor units.
5. Outdoor unit defrosting status.
6. Shielding status.
7. Current wired controller connects master indoor unit.
8. Fresh air control function of AHU-KIT.
9. Indicates that the current system mode priority is voting mode.
10. WiFi status (If the wired controller has no WiFi function, it displays only when the unit connected to WiFi).
11. Timer zone: Display system clock and timer status.
12. Current set fan speed.
13. Absence function.
14. Health function, Indoor unit optional function.
15. Remind to clean the filter.
16. X-fan function.
17. Auto clean status.
18. Save status of indoor unit.
19. Air status, Indoor unit optional function.
20. I-DEMAND function, Indoor unit optional function.
21. Quiet status (including Quiet and Auto Quiet two status).
22. Sleep status.
23. Left and right swing function.
24. Up and down swing function.
25. 3D Heating mode.
26. Space Heating mode.
27. Heating mode.
28. Floor Heating mode.
29. Dry mode.
30. Fan mode.
31. Auto mode.
32. Cooling mode.
33. It shows the value of temperature, and displays the current type of value (In case the wired controller is controlling a Fresh Air Indoor Unit, then it will display FAP).

NOTE – Due to Lennox' ongoing commitment to quality, Specifications, Ratings, and Dimensions are subject to change without notice and without incurring liability. Improper installation, adjustment, alteration, service or maintenance can cause property damage or personal injury. Installation and service must be performed by a qualified installer and servicing agency

495616 (202407) ©2024 Lennox Industries, Inc.

INDOOR DIMENSIONAL DRAWINGS - INCHES (MM)



IDU	UNIT	A	B	C	D	E	F
42K/48K	mm	1381	585	1340	260	655	697
	inch	54.37	23.03	52.76	10.24	25.79	27.44

NOTE – Due to Lennox' ongoing commitment to quality, Specifications, Ratings, and Dimensions are subject to change without notice and without incurring liability. Improper installation, adjustment, alteration, service or maintenance can cause property damage or personal injury. Installation and service must be performed by a qualified installer and servicing agency

495616 (202407) ©2024 Lennox Industries, Inc.