



**SUBMITTAL DATA – FAN COIL
LISH048000U432 - LIFHC048160U432
SINGLE ZONE INVERTER MINI-SPLIT HEAT PUMP**

Job: _____
Location: _____
Schedule No.: _____
System Designation: _____

Engineer: _____
Architect: _____
Date: _____

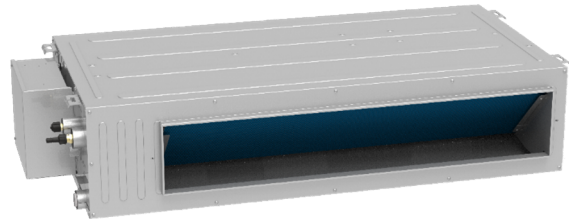
FEATURES

Outdoor Unit: **LISH048000U432**
Outdoor Unit Cat Number: **19V90**



- DC Inverter Compressor
- DC ODU Motor

Indoor Unit: **LIFHC048160U432**
Indoor Unit Cat Number: **19V83**



- Auto Restart
- Compact Design
- Easy Installation
- 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)	229.6 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

WiFi Module (20U44, ME31-00/C6)



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OUTDOOR SPECIFICATIONS

PERFORMANCE	
Cooling Capacity (Btu/h)	47,800
EER(W/W)	2.8
SEER(BTUH/W)	16
Heating Capacity (Btu/h)	51,200
HSPF	9
Outdoor Fan Total Air Volume (CFM)	3,472
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
Minimum Circuit Ampacity (A)	/
Maximum Overcurrent Protection (A)	/
Outdoor Fan Motor FLA (A)	1.38
Compressor RLA (A)	19.7
No. of Compressors	1

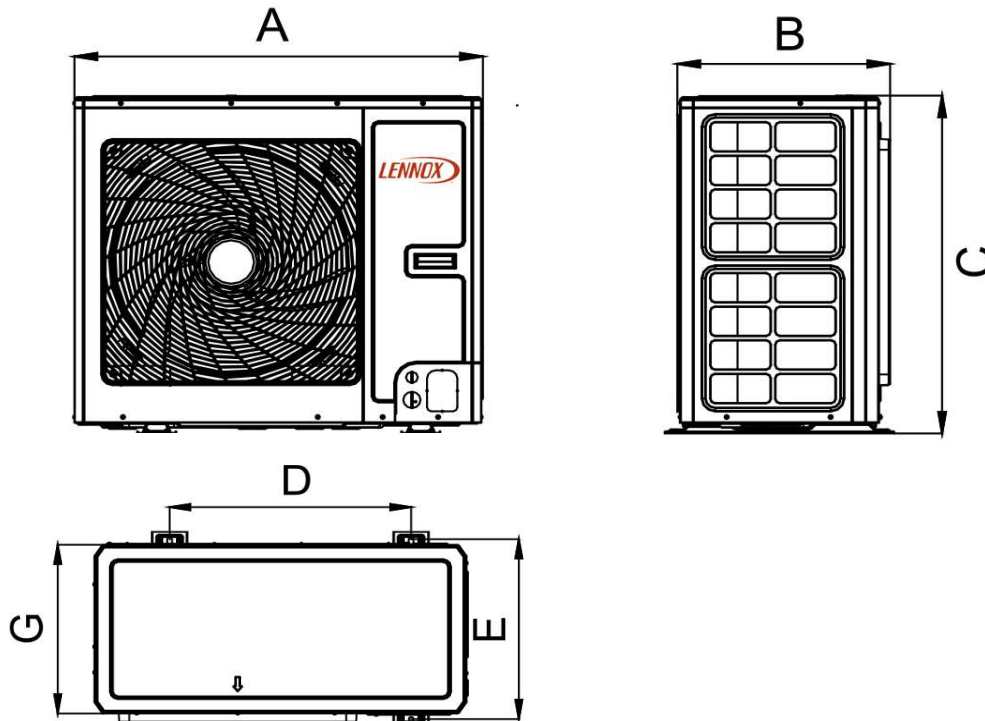
GENERAL DATA	
Connection Ratio (%)	100%
Max. # of Indoor Units	1
Sound Data (dBA) - Cooling/Heating	59
Refrigerant type	R-410A
Factory refrigerant charge	8.14 lbs. 130.24 oz.

DIMENSIONS		
Unit Dimensions (in)	Height	32.3
	Width	37.0
	Depth	18.1
Shipping Weight (lb)		228.8
Net Weight (lb)		202.4

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

OUTDOOR DIMENSIONAL DRAWINGS - INCHES (MM)



ODU	UNIT	A	B	C	D	E	G
42K/48K/60K	mm	940	530	820	610	486	460
	inch	37.0	20.9	32.3	24.0	19.1	18.1

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INDOOR SPECIFICATIONS

PERFORMANCE

Airflow (CFM)	Turbo	1177
	High	1059
	Medium	942
	Low	824
External Static Pressure (Pa)		50
Sound Pressure (dBA)	Turbo	42
	High	40
	Medium	39
	Low	37

ELECTRICAL DATA

Power Supply (V/Hz/ϕ)	220-240-50/60-1
Full load amps (FLA)	1.26
Power Output (W)	250

DIMENSIONS

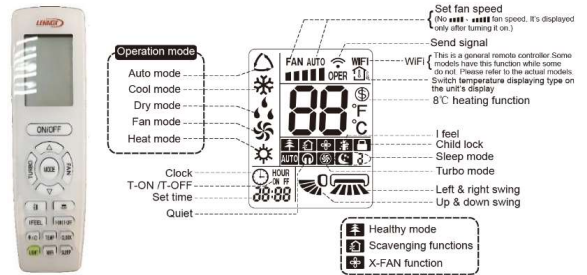
Unit Dimensions (in)	Height	11.8
	Width	55.1
	Depth	27.6
Unit Net/Shipping Weight (lb)		110.3/123.2

WIRELESS REMOTE CONTROLLER SPECIFICATIONS

20U45 (YAP1F6)

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

DISPLAY

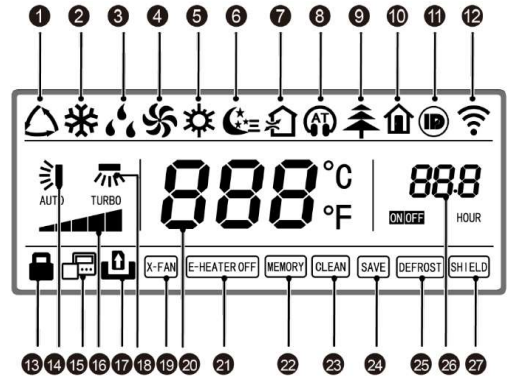


WIRED CONTROLLER SPECIFICATIONS

20U46 (XK117)

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

DISPLAY



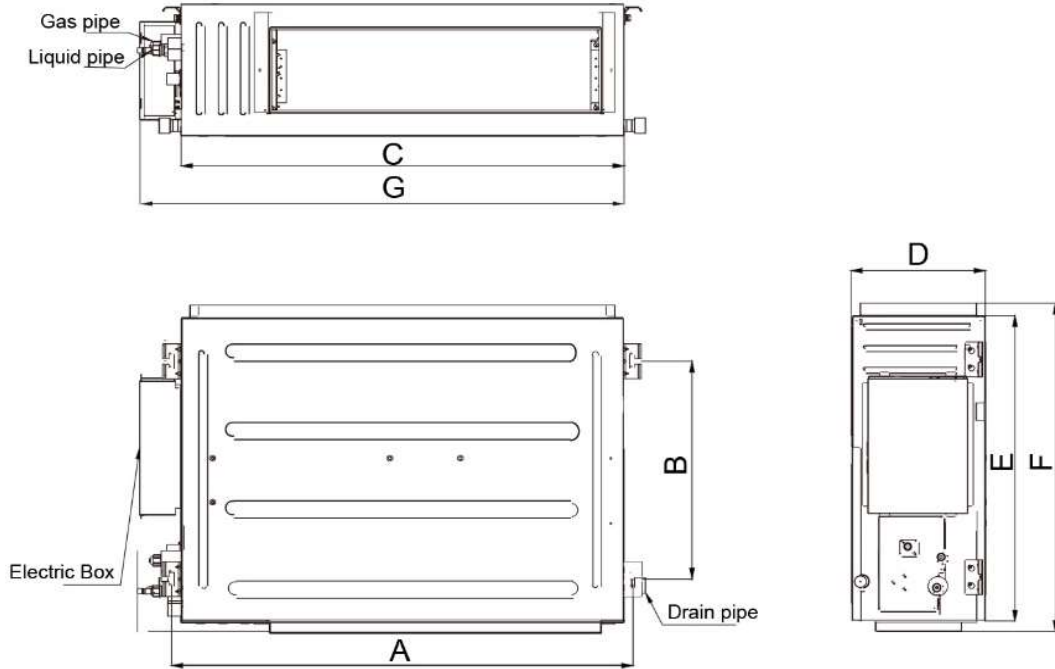
- | | | |
|-------------|----------------------------|-----------------|
| 1. Auto | 10. Absent | 19. X-fan |
| 2. Cool | 11. I-DEMAND | 20. Temperature |
| 3. Dry | 12. WiFi | 21. E-heater |
| 4. Fan | 13. Child-lock | 22. Memory |
| 5. Heat | 14. Up & down swing | 23. Clean |
| 6. Sleep | 15. Slave wired controller | 24. Save |
| 7. Exchange | 16. Fan speed | 25. Defrost |
| 8. Silent | 17. No card | 26. Timer |
| 9. Health | 18. Left & right swing | 27. Shield |

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INDOOR DIMENSIONAL DRAWINGS - INCHES (MM)



IDU	UNIT	A	B	C	D	E	F	G
48K	mm	1440	500	1400	300	700	754	1492
	inch	56.7	19.7	55.1	11.8	27.6	29.7	58.7

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