



**SUBMITTAL DATA – FAN COIL  
LISH048000N432 - LIFHC048160U432  
3 PHASE INVERTER MINI-SPLIT HEAT PUMP**

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

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

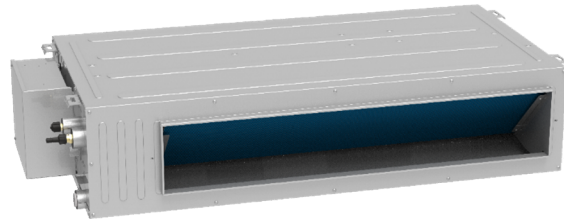
**FEATURES**

Outdoor Unit: **LISH048000N432**  
Outdoor Unit Cat Number: **19V93**



- 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)	380-415-50/60-3
Minimum Circuit Ampacity (A)	/
Maximum Overcurrent Protection (A)	/
Outdoor Fan Motor FLA (A)	1.38
Compressor RLA (A)	8
No. of Compressors	1

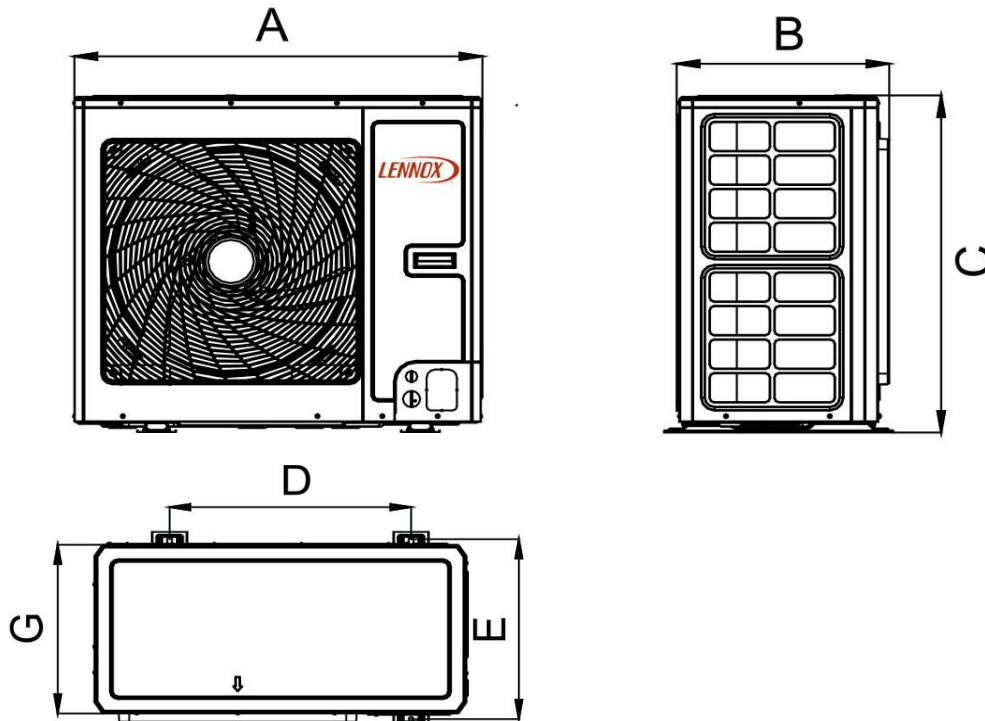
GENERAL DATA	
Connection Ratio (%)	100%
Max. # of Indoor Units	1
Sound Data (dBA) - Cooling/Heating	59
Refrigerant type	R-410A
Factory refrigerant charge	8.14 lbs. 130.24 oz.

DIMENSIONS		
Unit Dimensions (in)	Height	32.3
	Width	37.0
	Depth	18.1
Shipping Weight (lb)		237.6
Net Weight (lb)		211.2

**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)		110.3/123.5

**WIRELESS REMOTE CONTROLLER SPECIFICATIONS**

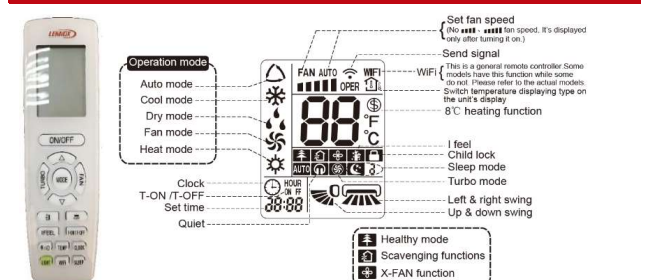
**20U45 (YAP1F6)**

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

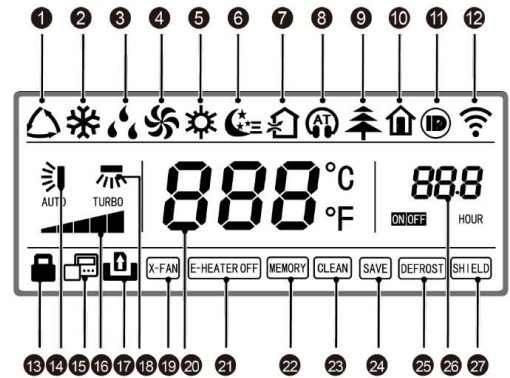


**WIRED CONTROLLER SPECIFICATIONS**

**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**



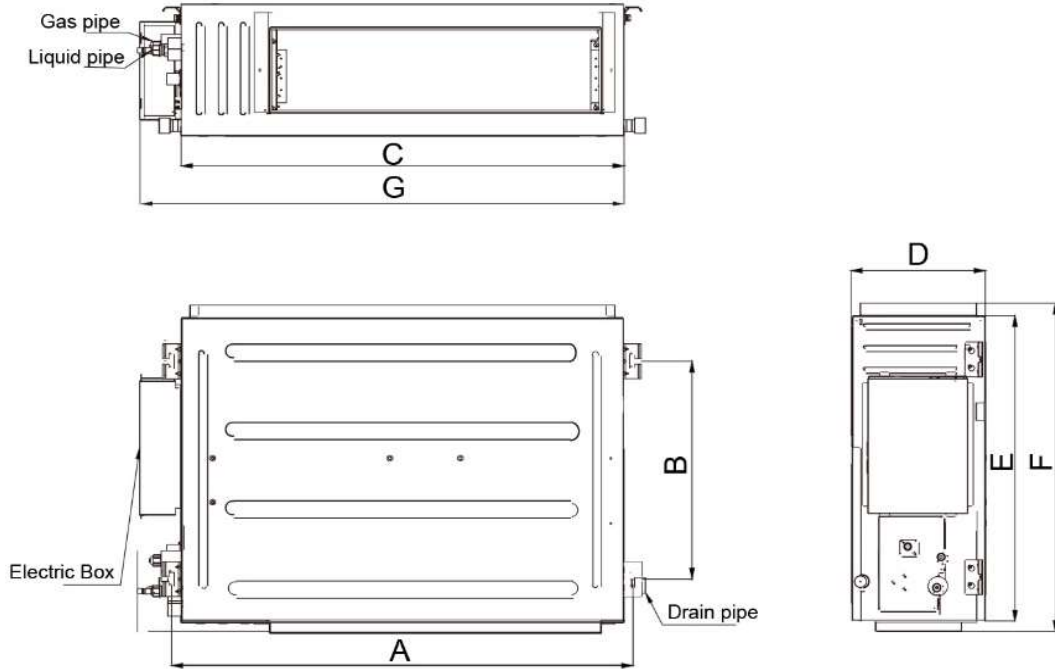
- |             |                            |                 |
|-------------|----------------------------|-----------------|
| 1. Auto     | 10. Absent                 | 19. X-fan       |
| 2. Cool     | 11. I-DEMAND               | 20. Temperature |
| 3. Dry      | 12. WiFi                   | 21. 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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