For: File Resubmit Date: **Approval** Other. PO No .: GC: Architect: Mech: Engr: Rep:

(Project Manager)



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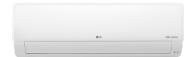


# LA240HYV3

Job Name/Location:

Art Cool™ Premier Single Zone Inverter

Outdoor Unit (ODU) - LAU240HYV3 Indoor Unit (IDU) - LAN240HYV3



#### Performance:

Cooling:

Cooling Capacity (Min~Rated~Max) (Btu/h)	3,070 ~ 22,000 ~ 30,000
SEER2	23.0
EER2	13.00

SEER - Seasonal Energy Efficiency Ratio EER - Energy Efficiency Ratio

Heating:

Heating Capacity	
(Min~Rated~Max) (Btu/h)	3,070 ~ 26,000 ~ 36,200
HSPF2	10
Max. Heating @ Indoor 70°F DB	27.360
Outdoor 17°F WB	,
Outdoor 5°F WB	23.700
Outdoor -13°F WB	17,740

HSPF - Heating Seasonal Performance Factor

Cooling Nominal Test Conditions: Heating Nominal Test Conditions: Indoor: 70°F DB / 60°F WB Outdoor: 47°F DB / 43°F WB Indoor: 80°F DB / 67°F WB Outdoor: 95°F DB / 75°F WB

#### **Outdoor Unit:**

MOP (A)	30
MCA (A)	19
Cooling / Heating Rated Amps (A)	14.81/14.81
Compressor (A)	14.41
Fan Motor (A)	0.4
MOP - Maximum Overcurrent Protection	MCA - Minimum Circuit Ampacity

### Total Power Input:

Cooling Power Input (kW)	1.69
Heating Power Input (kW)	2.08

### Piping:

Liquid Line (in., O.D.)	3/8
Vapor Line (in., O.D.)	5/8
Additional Refrigerant (oz./ft.)	0.38
Min. / Max. Pipe Length (ft.) <sup>2</sup>	9.8 / 164
Piping Length (no add'l refrig., ft.)	24.6
Max. Elevation (ft.)	98.4

#### **Features:**

- 24-Hour on/off timer
- 4-Way auto swing
- Auto restart / changeover
- · Jet cool/Jet heat Built-in low ambient stan-
- dard, down to 14°F (cooling mode)

☐ PI-485 - PMNFP14A1

/ Black) - PREMTB100 / PREMTBB10

 $\square$  MultiSITE Comm. Mgr. - PBACNBTR0A

- Chaos Wind
- nection
- Defrost Control
- Dehumidifying Mode Hot Start
- Inverter (variable speed compressor)
- Smart Diagnosis
- · Condensate Sensor Con-· Washable Filter
  - Soft Dry Operation
  - Self-cleaning indoor coil
  - Built-in base pan heater
  - Cooling only/heating only function
  - Built-in Wi-Fi via Smart ThinQ app

## **Optional Accessories:** ☐ Simple Remote Controller - PREMTC00U ☐ Dry Contact - PDRYCB100/320/400

- ☐ Standard III Remote Controller (White ☐ AC Smart 5 - PACS5A000 ☐ ACP 5 - PACP5A000 ☐ MultiSITE™ CRC\* - PREMTBVC2/C3/C4
  - ☐ Low Ambient Wind Baffle (Cooling operation to 0°F) - ZLABGP04A

Proper sizing and installation of equipment is critical to achieve optimal performance. Split system air conditioners and heat pumps (excluding ductless systems) must be matched with appropriate coil components to meet ENERGY STAR® criteria. Ask your contractor for details or visit www.energystar.gov.

(ENERGY STAR and the ENERGY STAR mark are registered trademarks owned by the U.S. Environmental Protection Agency.)

#### **Operating Range:**

**Outdoor Unit:** 

Cooling (°F DB) Heating (°F WB)	14 ~ 118 -13 ~ +65
Indoor Unit:	
Cooling (°F WB)	53 ~ 75
Heating (°F DB)	60 ~ 86

#### **Electrical:**

Power Supply (V)/Hz/ $\emptyset$ ) 208-230/60/2
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#### **System Data:**

•	
Refrigerant Type	R410A
Refrigerant Control	EEV
Refrigerant Charge (lbs.)	4.85
ODU Sound Pressure	
(Max., Cool / Heat) (±1 dB[A]) <sup>3</sup>	55/56
IDU Sound Pressure	
Cooling (H/M/L/Sleep) (±1 dB[A]) <sup>3</sup>	49/44/40/30
Heating (H/M/L) (±1 dB[A]) <sup>3</sup>	49/44/40
ODU Net / Shipping Weight (lbs.)	135.4/147.7
IDU Net / Shipping Weight (lbs.)	37.7/45.6
Heat Exchanger Coating	GoldFin™

#### Fan:

١	ODU Type	Propeller
1	IDU Type	Cross Flow
١	Fan Speeds (Fan/Cool/Heat)	6/6/6
١	Quantity (ODU + IDU)	1+1
1	Motor/Drive	Brushless Digitally Controlled/Direct
١	ODU Max. Air Flow Rate (CFM)	2119
١	IDU Air Flow	
1	Cooling, Max/H/M/L (CFM)	813 / 601 / 495 / 389
1	Heating, Max/H/M/L (CFM)	919 / 707 / 601 / 495
l	Dehumidification (pts./hr.)	4.65

- Notes:

  1. Acceptable operating voltage: 187V-253V.
  2. Piping lengths are equivalent.
  3. Sound Pressure levels are tested in an anechoic chamber under ISO Standard 3745.
  4. All communication / connection (power) cable from the outdoor unit to the indoor unit is field supplied and must be a minimum of four-conductor, 14 AWG, stranded, shielded or unshielded (if shielded, it must be grounded to the chassis of the outdoor unit only), and must comply with applicable local and national codes.
  5. See Engineering Manual for sensible and latent capacities.
  6. Power wiring cable size must comply with the applicable local and national code.
  7. The indoor unit comes with a dry helium charge.
  8. This data is rated 0 ft. above sea level, with 24.6 ft. of refrigerant line and a 0 ft. level difference between outdoor and indoor units.
  9. Must follow installation instructions in the applicable LG installation manual.





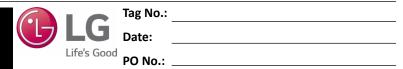


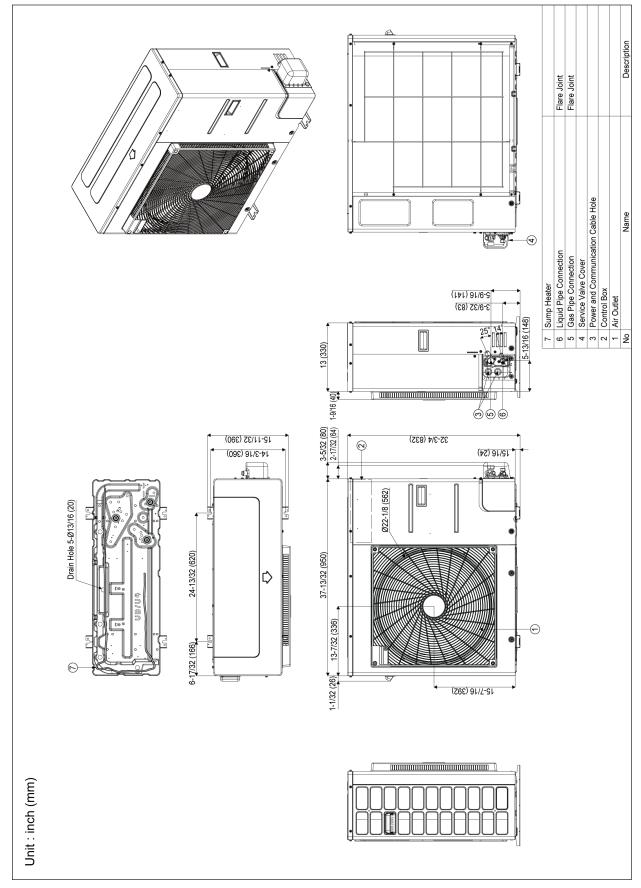




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