

Job Name/Location:

Tag #:

Date:

For: File Resubmit
Approval Other

PO No.:

Architect: GC:

Engr: Mech:

Rep: (Company) (Project Manager)

LA180HSV5

Single Zone Art Cool Mirror Wall Mount

Outdoor Unit (ODU) - LSU180HSV5, Indoor Unit (IDU) - LAN180HSV5

Performance:

Cooling:

Cooling Capacity (Min~Rated~Max) (Btu/h)	3,070 ~ 18,000 ~ 29,515
SEER	21.5
EER	12.58

SEER - Seasonal Energy Efficiency Ratio EER - Energy Efficiency Ratio

Heating:

Heating Capacity (Min~Rated~Max) (Btu/h)	3,070 ~ 21,600 ~ 38,898
HSPF	10.2
Max. Heating @ Indoor 70°F DB	
Outdoor 19°F DB / 17°F WB	22,340 (103%)
Outdoor 6°F DB / 5°F WB	19,300 (89%)
Outdoor -3°F DB / -4°F WB	16,760 (77%)

HSPF - Heating Seasonal Performance Factor

Cooling Nominal Test Conditions:

Indoor: 80°F DB / 67°F WB

Outdoor: 95°F DB / 75°F WB

Heating Nominal Test Conditions:

Indoor: 70°F DB / 60°F WB

Outdoor: 47°F DB / 43°F WB

Outdoor Unit:

MOP (A)	20
MCA (A)	13
Cooling / Heating Rated Amps (A)	9.85 / 9.85
Compressor (A)	9.6
Fan Motor (A)	0.25

MOP - Maximum Overcurrent Protection

MCA - Minimum Circuit Ampacity

Total Power Input:

Cooling Power Input (kW)	1.43
Heating Power Input (kW)	1.73

Piping:

Liquid Line (in., O.D.)	ø3/8
Vapor Line (in., O.D.)	ø5/8
Additional Refrigerant (oz./ft.)	0.38
Min. / Max. Pipe Length (ft.) ²	9.8 / 114.8
Piping Length (no add'l refig., ft.)	24.6
Max. Elevation (ft.)	49.2

Controls Features:

- 24-Hour on/off timer
- 4-Way auto swing
- Auto changeover
- Auto restart
- Jet cool/Jet heat
- Built-in low ambient standard, down to 14°F (cooling mode)
- Condensate Sensor Connection
- Inverter (variable speed compressor)
- IDU compatible with Multi F ODUs
- Smart Diagnosis
- 3M Micro Filter
- Self-cleaning indoor coil
- Sleep mode
- Cooling only function
- Built-in Wi-Fi via Smart ThinQ app
- Built-in base pan heater (9/12k; optional for 18k)

Optional Accessories:

- ☐ MultiSITE™ CRC1 - PREMTBVC0
- ☐ MultiSITE CRC1+ - PREMTBVC1
- ☐ MultiSITE Comm. Mgr. - PBACNBTR0A
- ☐ PI-485 - PMNFP14A1
- ☐ Dry Contact - PDRYCB300
- ☐ LonWorks® Gateway - PLNWK100
- ☐ AC Smart IV BACnet® Gateway - PBACNA000
- ☐ ACP IV BACnet Gateway - PQNFB17C2
- ☐ Base Pan Heater for 18k - PQSH1201
- ☐ Low Ambient Wind Baffle Kit (Cooling to -40°C) - PAG-HS8, PAG-HS2, PQCA0

For a complete list of available accessories, contact your LG representative.

For continual product development, LG reserves the right to change specifications without notice.

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Operating Range:

Outdoor Unit:

Cooling (°F DB)	14 ~ 118
Heating (°F WB)	-4 ~ +65

Indoor Unit:

Cooling (°F WB)	53 ~ 75
Heating (°F DB)	60 ~ 86

Electrical:

Power Supply (V/Hz/Ø)	208-230/60/1
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System Data:

Refrigerant Type	R410A
Refrigerant Control	EEV
Refrigerant Charge (lbs.)	3.53
ODU Sound Pressure (Cooling / Heating) (±3 dB[A]) ³	53 / 53
IDU Sound Pressure Cooling (H/M/L/Sleep) (±3 dB[A]) ³	45 / 40 / 35 / 29
Heating (H/M/L) (±3 dB[A]) ³	45 / 40 / 35
ODU Net / Shipping Weight (lbs.)	116.8 / 126.5
IDU Net / Shipping Weight (lbs.)	29.8 / 36.4
Heat Exchanger Coating	GoldFin™

Fan:

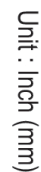
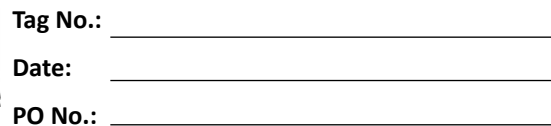
ODU Type	Propeller
IDU Type	Cross Flow
Fan Speeds (Fan/Cool/Heat)	6 / 6 / 6
Quantity (ODU + IDU)	1 + 1
Motor/Drive	Brushless Digitally Controlled/Direct
ODU Max. Air Flow Rate (CFM)	2,119
IDU Air Flow Cooling, Max/H/M/L (CFM)	706 / 530 / 477 / 371
Heating, Max/H/M/L (CFM)	706 / 547 / 494 / 371
Dehumidification (pts./hr.)	5.5

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 is to be minimum four-conductor, 18 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.
10. Multi compatible 18k IDUs include socket adapters for refrigerant pipe connections with Multi F systems. BACnet® is a registered trademark of ASHRAE. LonWorks® is a trademark of Echelon Corporation.



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Front View: Shows the unit's dimensions: 39-9/32 (998) height, 13-19/32 (345) width, and 8-11/32 (212) depth. It features a display and remote control signal receiver, and an air outlet hole with a diameter of 2-3/8 (60). The air intake hole is located at the top with a diameter of 6-11/16 (170).

Rear View: Shows the unit's dimensions: 39-9/32 (998) height, 13-19/32 (345) width, and 8-11/32 (212) depth. It features a display and remote control signal receiver, and an air outlet hole with a diameter of 2-3/8 (60). The air intake hole is located at the top with a diameter of 6-11/16 (170).

Side View: Shows the unit's dimensions: 39-9/32 (998) height, 13-19/32 (345) width, and 8-11/32 (212) depth. It features a display and remote control signal receiver, and an air outlet hole with a diameter of 2-3/8 (60). The air intake hole is located at the top with a diameter of 6-11/16 (170).

Top View: Shows the unit's dimensions: 39-9/32 (998) height, 13-19/32 (345) width, and 8-11/32 (212) depth. It features a display and remote control signal receiver, and an air outlet hole with a diameter of 2-3/8 (60). The air intake hole is located at the top with a diameter of 6-11/16 (170).

Installation Details: The unit is shown being fixed to a wall using an installation plate. The plate is 13-19/32 (345) wide and 39-9/32 (998) high. The unit is 8-11/32 (212) deep. The air intake hole is 6-11/16 (170) in diameter. The air outlet hole is 2-3/8 (60) in diameter. The unit is shown being fixed to a wall using an installation plate. The plate is 13-19/32 (345) wide and 39-9/32 (998) high. The unit is 8-11/32 (212) deep. The air intake hole is 6-11/16 (170) in diameter. The air outlet hole is 2-3/8 (60) in diameter.

Airflow Control: The unit has a cooling and heating mode. The cooling mode is shown with the unit tilted at 15° and 20°. The heating mode is shown with the unit tilted at 45° and 85°. The unit is shown with the air intake hole at the top and the air outlet hole at the bottom.

Dimensions: The unit is 39-9/32 (998) high, 13-19/32 (345) wide, and 8-11/32 (212) deep. The air intake hole is 6-11/16 (170) in diameter. The air outlet hole is 2-3/8 (60) in diameter. The unit is shown with the air intake hole at the top and the air outlet hole at the bottom.