Job Name/Location: **Tag #:**

Date:

PO No.:

For: ☐ File ☐ Resubmit ☐ Approval ☐ Other_____

Architect: GC:

Engr: Mech:

Rep:
(Company) (Project Manager)

LS090HSV5

Single Zone High Efficiency Wall Mounted

Outdoor Unit (ODU) - LSU090HSV5, Indoor Unit (IDU) - LSN090HSV5

LG Life's Good

Performance:

Cooling:

Cooling Capacity (Min~Rated~Max) (Btu/h)	1,023 ~ 9,000 ~ 12,625
SEER2	23.2
EER2	14.5

SEER - Seasonal Energy Efficiency Ratio EER - Energy Efficiency Ratio

Heating:

Heating Capacity (Min~Rated~Max) (Btu/h)	1,023 ~ 10,900 ~ 17,061
HSPF2	10.2
Max. Heating @ Indoor 70°F DB	
Outdoor 19°F DB / 17°F WB	11,080 (102%)
Outdoor 6°F DB / 5°F WB	9.570 (88%)
Outdoor -3°F DB / -4°F WB	8,310 (76%)

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)	15
MCA (A)	10
Cooling / Heating Rated Amps (A)	7.8 / 7.8
Compressor (A)	7
Fan Motor (A)	0.4

MOP - Maximum Overcurrent Protection MCA - Minimum Circuit Ampacity

Total Power Input:

Cooling Power Input (kW)	0.62
Heating Power Input (kW)	0.71

Electrical:

Power Supply (V¹/Hz/Ø)	208-230 / 60 / 1

Piping:

Liquid Line (in., O.D.)	ø1/4
Vapor Line (in., O.D.)	ø3/8
Additional Refrigerant (oz./ft.)	0.22
Min. / Max. Pipe Length (ft.)²	9.8 / 82
Piping Length (no add'l refrig., ft.)	41
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 ThinQ app
- Built-in base pan heater

Optional Accessories:

☐ MultiSITE™ CRC1 - PREMTBVC0
☐ MultiSITE CRC1+ - PREMTBVC1
☐ MultiSITE Comm. Mgr. - PBACNBTR0A
☐ PI-485 - PMNFP14A1
☐ Dry Contact - PDRYCB320
☐ MultiSITE LON Module-ZHWLONWK0
☐ AC Smart 5 - PACS5A000
☐ ACP 5 - PACP5A000
☐ Low Ambient Wind Baffle Kit (Cooling to 0°F) - ZLABGP01A

Operating Range:

Outdoor Unit:

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

Indoor Unit:

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

System Data:

Refrigerant Type	R410A
Refrigerant Control	EEV
Refrigerant Charge (lbs.)	2.21
ODU Sound Pressure (Cooling / Heating) (±1 dB[A])³	47 / 51
IDU Sound Pressure	
Cooling (H/M/L/Sleep) (±1 dB[A])³	41 / 35 / 25 / 21
Heating (H/M/L) (±1 dB[A])³	41 / 35 / 26
ODU Net / Shipping Weight (lbs.)	74.1 / 78.9
IDU Net / Shipping Weight (lbs.)	18.3 / 23.4
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)	1,165
IDU Air Flow	
Cooling, Max/H/M/L (CFM)	459 / 338 / 317 / 194
Heating, Max/H/M/L (CFM)	459 / 338 / 317 / 229
Dehumidification (pts./hr.)	2.7

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, 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.
10. Multi compatible 18k IDUs include socket adapters for refrigerant pipe connections with Multi F systems.

ENERGY STAR ENERGY STAR COLD CLIMATE

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.)

C US

AHRI CERTIFIED® www.ahridirectory.org Unitary Small HP AHRI Standard 210/240 Certification applies only when the complete system is listed with AHRI.

Verify control accessory capability for the subject equipment. For a complete list of available accessories, contact your LG representative.
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Unit : Inch (mm)

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