Job Name/Location:		Tag #:	
Date:	For: File	Resubmit	
PO No.:	Approva	ol Other	LG
Architect:	GC:		€ LG
Engr:	Mech:		
Rep:			
(Company)	(Project Manager)		
LV420HHV Single Zone LGRED° Vertical Air H Outdoor Unit (ODU) - LUU420HHV Indoor U		Life's Good	
Performance:		Operating Range:	-
Cooling:	1/ 000 42 000 50 000	Outdoor Unit:	
Cooling Capacity (Min~Rated~Max, Btu/h) SEER2 / EER2	16,800 ~ 42,000 ~ 50,000 17.3 / 12.0	Cooling (°F DB)	5 to 11
	gy Efficiency Ratio	Heating (°F WB)	-13 to 6
Heating:		Indoor Unit: Cooling (°F WB)	57 to 7
Heating Capacity (Min~Rated~Max, Btu/h) HSPF2	18,000 ~ 48,000 ~ 60,000 9.45	Heating (°F DB)	57 to 7
Max heating @ Indoor 70° DB (Btu/h)	9.43	System Data:	
Outdoor 17°F WB	51,400	Refrigerant Type/Control	R410A / EE
Outdoor 5°F WB*	40,000	Refrigerant Charge (lbs.)	9.2
Outdoor -4°F WB	38,200	ODU Sound Pressure Max (	Cool / Heat) ±1 dB(A) <sup>3</sup> 54 / 5
Outdoor -13°F WB  HSPF - Heating Seasonal Performance Factor	28,810	IDU Sound Pressure (H/M/L	
*The Capacities at 5°F does not refer to H42 testing conditions.	ominal Test Conditions:	ODU Net / Shipping Weight	
	°F DB / 60°F WB .7°F DB / 43°F WB	IDU Net / Shipping Weight (	(lbs.) 158.7 / 176.4
Electrical:		Fan:	
Power Supply¹ (V/Hz/Ø)	208-230 / 60 / 1	ODU / IDU Fan Type	Propeller / Sirocco
MOP / MCA (A) Cooling / Heating Rated Amps (A)	40 / 32 14.9 / 16.4	Fan Speeds (Fan/Cool/Heat	
Compressor(A)	22.0	Fan Quantity (ODU + IDU)	2 +
Fan Motor (IDU + ODU) (A)	1.3 + (1.6 x 2)	Motor/Drive	Brushless Digitally Controlled / Direc
Cooling Power Input (Min~Rated~Max, kW)	1.19 ~ 3.36 ~ 5.32	Maximum ODU Air Volume	e (CFM) 4,23
Heating Power Input (Min~Rated~Max, kW)	1.34 ~ 3.69 ~ 5.8	IDU Air Volume (H/M/L) (C	(FM) 1,260 / 1,100 / 1,00
Locked Rotor Amps (A)	33	Dehumidification Rate (pts	s/hr) <sup>9</sup> 6.7
	imum Circuit Ampacity	IDU External Static Pressure	
Piping:	2 /0 51	Range (Min~Default~Max)	$(in-wg)^{11}$ 0.1~ 0.3 ~ 1.0
Installed Liquid Pipe (in., O.D.) Installed Vapor Pipe (in., O.D.)	3/8 Flare 5/8 Flare	Notes:	
IDU Liquid Connection (in., O.D.)	3/8 Flare	1 Acceptable operating voltage: 197	7V-253V.
IDU Vapor Connection (in., O.D.)	5/8 Flare	Sound Pressure levels are tested in     All power/communication cable to	n an anechoic chamber under ISO Standard 3745. o be minimum 14 American wire gage (AWG), 4-
Additional Refrigerant (oz./ft.)	0.43		
Min/Max. Pipe Length (ft.)	16.4 / 246	<ol> <li>Power wiring cable size must come</li> <li>The indoor unit comes with a dry</li> </ol>	ply with the applicable local and national code. helium charge.
Piping Length (no add'l refrig., ft.)	24.9	<ol><li>This data is rated 0 ft. above sea le difference between outdoor and ind</li></ol>	must be grounded to the chassis at the outdoor unit only ply with the applicable local and national code. helium charge. evel, with 25 ft. of refrigerant line and a 0 ft. level loor units.
Max. Elevation (ft.)	98.4	9. Dehumidification rate is based on	high speed airflow.
Features:  • Hot start • Inverter (variable speed) • Auto restart • Control lock • W2 terminal connection  Required Accessories (sold separately):	ODU Drain Pan Heater Night Quiet Function	10. 18k and 24k VAHUs are supplied 11. 18k, 24k, and 36k IDU units have (External Static Pressure) range. The 12. Electric heater accessory available capacities. Refer to the engineering 13. Controller not included.	with socket adapters for pipe transitions. e ECM fan that automatically adjusts throughout the ESP refore, there is no default ESP value for these units. ole in 3kW, 5kW, 8kW, 10kW, 15kW, and 20kW g manual for details.
Controller (Any LG wired remote controller)  Optional Accessories:			
MultiSITE™ CRC2 - PREMTBVC2	art 5 - PACS5A000 mbient Wind Baffle Kit PAG-HS4/PAG- ng Operation to -4°F)	-HS5	
PREMTB200	Module - PWFMDD200		
☐ Dry Contact 3rd Party Thermostat - PDRYC	B320		AUDI
☐ Electric Heater <sup>12</sup> ☐ Remote Temperature Sensor - ZRTBS01 ☐ Downflow Conversion Kit - PNDFK0		LGRED° In	verter (SP) CERTIFIED www.ahridirectory.org

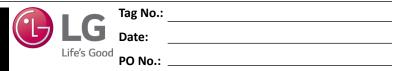


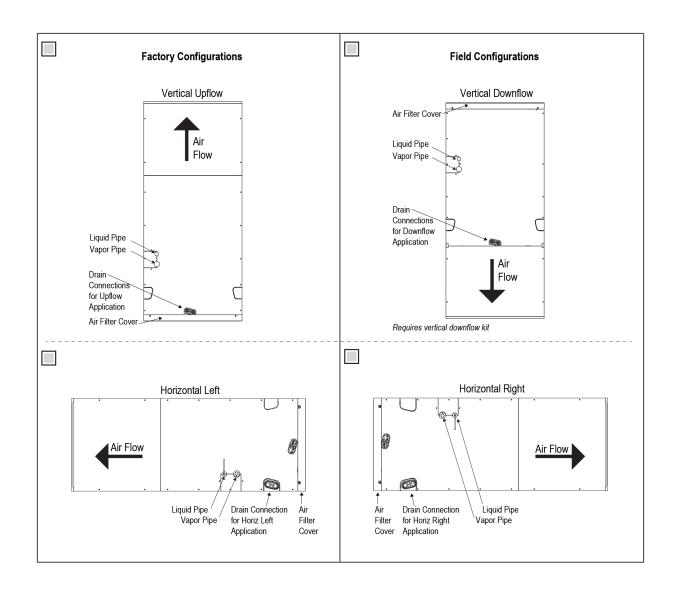


☐ Aux Heater relay kit - PRARH1

Job Name/Location:

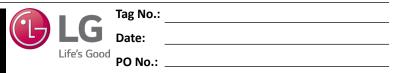
## LVN420HV Single Zone LGRED° Vertical Air Handler Unit

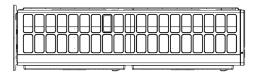


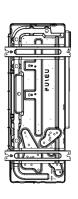


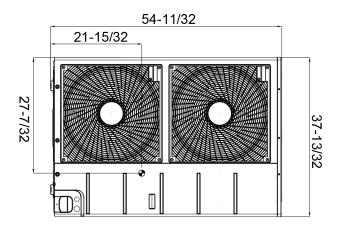
Job Name/Location:

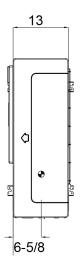
## LUU420HHV Single Zone LGRED° Vertical Air Handler Unit

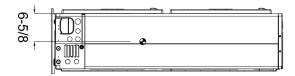


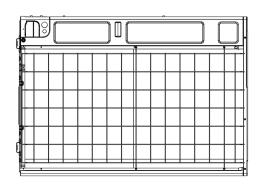


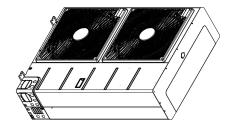












Unit: inch

Job Name/Location:

## LVN420HV Single Zone LGRED° Vertical Air Handler Unit



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