Job Name/Location:			Tag #:	
Date:	For: File	Resubmit		
PO No.:	Approval	Other	LG PROPERTY OF THE PROPERTY OF	
Architect: GC:				LG C
		_		
Engr: Mecl	1:			
Rep: (Company) (Project N	Manager)			
LV420HHV Single Zone LGRED° Vertical Air Handler Ur Outdoor Unit (ODU) - LUU420HHV Indoor Unit (IDU) - LV		Life's Good		
Performance:		Operating Range	:	
Cooling: Cooling Capacity (Min~Rated~Max, Btu/h) 16,800 ~ 42	2,000 ~ 50,000	Outdoor Unit:		
SEER / EER	19.6 / 12.5	Cooling (°F DB)		5 to 118 -13 to 64
SEER - Seasonal Energy Efficiency Ratio EER - Energy Efficiency Ratio		Heating (°F WB) Indoor Unit:		-13 10 04
Heating: Heating Capacity (Min~Rated~Max, Btu/h) 18,000 ~ 49	3,000 ~ 60,000	Cooling (°F WB)		57 to 77
HSPF	11.0	Heating (°F DB)		59 to 81
Max heating @ Indoor 70° DB (Btu/h)	52,200	System Data:		
Outdoor 17°F WB Outdoor 5°F WB	48,000	Refrigerant Type/C		R410A / EEV
Outdoor -4°F WB	38,200	Refrigerant Charge (lbs.) 9.26 ODU Sound Pressure Max (Cool / Heat) ± 1 dB(A) ³ 54 / 56		
Outdoor -13°F WB	28,810		re $(H/M/L) \pm 1 dB(A)^3$	54 / 56 48 / 45 / 44
HSPF - Heating Seasonal Performance Factor Cooling Nominal Test Conditions: Indoor: 80°F DB / 67°F WB Heating Nominal Test Condition Indoor: 70°F DB / 60°F WB	ns:	ODU Net / Shippin	ng Weight (lbs.)	210.9 / 234.1
Outdoor: 95°F DB / 75°F WB Outdoor: 47°F DB / 43°F WB Electrical:		IDU Net / Shipping	weight (ibs.)	158.7 / 176.4
	08-230 / 60 / 1	Fan:		Dranallar / Ciraaa
MOP / MCA (A)	40 / 32	ODU / IDU Fan Typ Fan Speeds (Fan/C		Propeller / Sirocco 3 / 3 / 3
Cooling / Heating Rated Amps (A)	14.9 / 16.4	Fan Quantity (ODI		2+1
Compressor(A) Fan Motor (IDU + ODU) (A)	22.0 1.3 + (1.6 x 2)	Motor/Drive		Controlled / Direct
, , , ,	9 ~ 3.36 ~ 5.32	Maximum ODU Ai	ir Volume (CFM)	4,238
	34 ~ 3.69 ~ 5.8	IDU Air Volume (H	I/M/L) (CFM) 1,	260 / 1,100 / 1,000
Locked Rotor Amps (A)	33	Dehumidification		6.76
MOP - Maximum Overcurrent Protection MCA - Minimum Circuit Ampac	ity	IDU External Station	c Pressure Operating	
Piping:	0.40.51	Range (Min~Defa	ult~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	Acceptable operating v Piping lengths are equ	voltage: 187V-253V. vivalent.	
IDU Vapor Connection (in., O.D.)	5/8 Flare	 Sound Pressure levels All power/communica 	are tested in an anechoic chamber under IS tion cable to be minimum 14 American wire	e gage (AWG), 4-
Additional Refrigerant (oz./ft.)	0.43	and the second control of the second control	المسام والمسام الباسية المتسام والمتارين
Min/Max. Pipe Length (ft.)	16.4 / 246	5. Power wiring cable size 6. The indoor unit comes	did the wire must be grounded to the chassis e must comply with the applicable local and s with a dry helium charge.	I national code.
Piping Length (no add'l refrig., ft.)	24.9	difference between outd	above sea level, with 25 it. of refrigerant line	e and a o it. level
Max. Elevation (ft.)	98.4	If the optional low aml	bient kit is used, one wind baffle is required	for each ODU fan.
 Inverter (variable speed) Timer (on/off) Night Qu Auto restart Sleep Mode IDU com 	in Pan Heater liet Function patible with k, 24k, 36k	 10. Dehumidification rate is based on high speed airflow. 11. 18k, 24k, and 36k IDU units have ECM fan that automatically adjusts throughout the ESP (External Static Pressure) range. Therefore, there is no default ESP value for these units. 12. 18k and 24k VAHUs are supplied with socket adapters for pipe transitions. 13. Electric heater accessory available in 3kW, 5kW, 8kW, 10kW, 15kW, and 20kW capacities. Refer to the engineering manual for details. 		
Required Accessories (sold separately): Controller (Any LG wired remote controller)		14. Controller not includ	ed.	
Optional Accessories: ☐ MultisITE™ CRC1 - PREMTBVC0 ☐ Standard RS3 Controller-PREMTB100 ☐ AC Smart 5 - PACPSA000 ☐ ACP 5 - PACPSA000 ☐ ACP 5 - PACPSA000	320 ANEH033B1 ¹³			







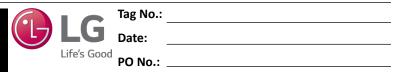
Simple Controller - PREMTCOOU

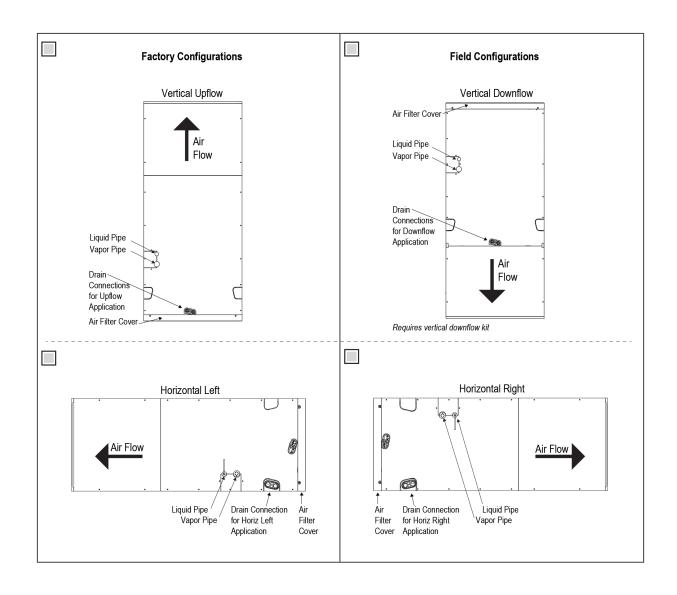
Wi-Fi module - PWFMDD200

Remote Temperature Sensor - ZRTBS01

Job Name/Location:

LVN420HV Single Zone LGRED° Vertical Air Handler Unit

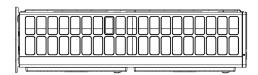


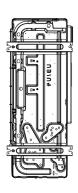


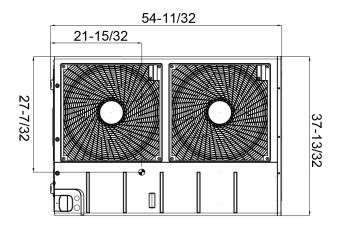
LUU420HHV Single Zone LGRED° Vertical Air Handler Unit

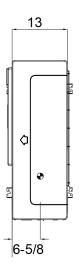


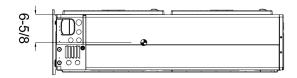
Tag No.:	
Date:	

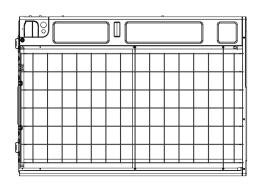


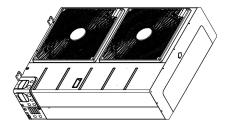












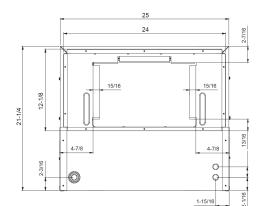
Unit: inch

Job Name/Location:

LVN420HV Single Zone LGRED° Vertical Air Handler Unit



Tag No.: _____



Top View

