LENNOX VRF

SUBMITTAL DATA - OUTDOOR UNIT

VPB312L4M-3Y

VPB120L4M-3Y + VPB120L4M-3Y+VPB072L4M-3Y

VRF Heat Pump

Job:		**Engineer:**	
Location:		**Architect:**	
Schedule No.:		**Location:**	
System Designation:		**Date:**	

For: ☐ Reference ☐ Approval ☐ Review ☐ Construction

Heat Pump Outdoor Unit

FEATURES

- Split coil heat exchanger
- Dual hinged electrical boxes for ease of maintenance
- High-efficiency vapor injection inverter compressor
- Intelligent Duty Cycle operation
- Night Silent operation
- Hinged service doors
- Built-in service console
- Built-in base pan heater
- Heating Operation down to -22F
- Low Ambient Cooling down to -10F w/ kit

WARRANTY

- Compressor - 10-year limited warranty
- All other components - 10-year limited warranty
  *See warranty for details

SPECIFICATIONS

PERFORMANCE

Cooling Capacity[1] (Btu/h)	Nominal	312,000
	Rated[2]	298,000
EER	Ducted	10.49
	Non-Ducted	10.91
IEER	Ducted	18.79
	Non-Ducted	19.79
Heating Capacity[1] (Btu/h)	Nominal	351,000
	Rated[2]	334,000
COP47	Ducted	3.73
	Non-Ducted	3.55
COP17	Ducted	2.51
	Non-Ducted	2.31

ELECTRICAL DATA

Power Supply (Volts/Phase/Hertz)	208-230/3/60
Minimum Circuit Ampacity (A)	(2) 82.6+59.5
Maximum Overcurrent Protection (A)	(2) 90+70
Compressor RLA (A)	(2) 33/33+42.7
Number of Compressors	2+2+1
Outdoor Fan Power Input (W)	(2) 1200/1200+680/780
Outdoor Fan FLA (A)	(2) 4.0/4.3+2.6/2.9

GENERAL DATA

Connection Ratio	50% to 130%
Maximum Number of Indoor Units	57
Refrigerant Type	R-410A
Factory Refrigerant Charge (each unit)	23.8 lbs.

NOTES

1. Cooling and Heating capacity data is rated at the following conditions:
   Cooling: 80°FDB / 67°FWB Indoor, 95°FDB Outdoor
   Heating: 70°FDB Indoor, 47°FDB / 43°FWB Outdoor.
2. Complies with AHRI 1230-2014 testing standards
3. Operating Voltage Range 175V to 263V
4. To achieve cooling lower than 5°F a Low ambient hood must be installed. This is purchased as an accessory.
5. A local 115V power outlet is available as an accessory to provide local power for maintenance.

DIMENSIONS		VPB120	VPB120	VPB072
Unit Dimensions (in)	Height	72	72	64-3/8
	Width	68-1/2	68-1/2	52-3/4
	Depth	32-5/8	32-5/8	31-1/2
Main System Piping (in)				
Liquid Pipe Connection		3/4	3/4	5/8
Gas Pipe Connection		1-1/4	1-1/4	1
Balancing Pipework between Modules (in)				
L.P. Gas Balance Pipe Connection		1-1/4	1-1/4	1-1/8
H.P. Gas Balance Pipe Connection		3/4	3/4	3/4
Oil Balance Pipe Connection		5/16	5/16	5/16
Unit Net Weight (lb)		1093	1093	765

AHRI CERTIFIED www.ahridirectory.org Unitary Small HP AHRI Standard 210/240

ETL LISTED c US Intertek

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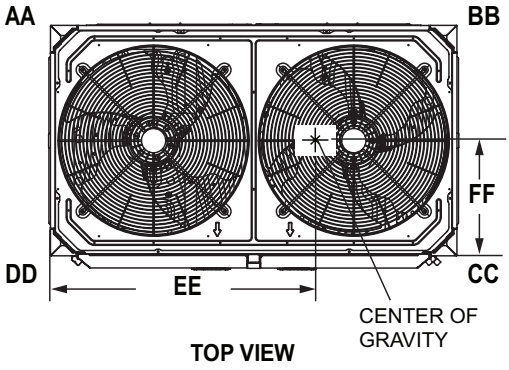
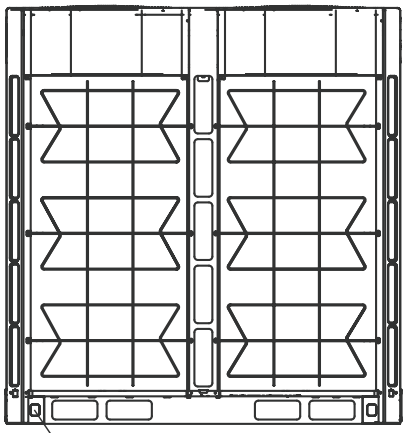
VRF Heat Pump

DIMENSIONAL DRAWINGS - INCHES (MM)

CORNER WEIGHTS									CENTER OF GRAVITY			
Model No.	AA		BB		CC		DD		EE		FF	
	lbs.	kg	lbs.	kg	lbs.	kg	lbs.	kg	in.	mm	in.	mm
VPB120L4	173	80	266	122	332	153	323	148	37-1/2	953	12	305

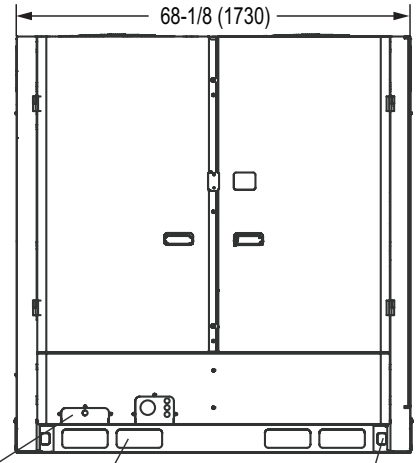


TOP VIEW



BACK VIEW

LAG BOLT DESIGNATION
(BOTH SIDES)
(TO ACCESS LAG BOLT)

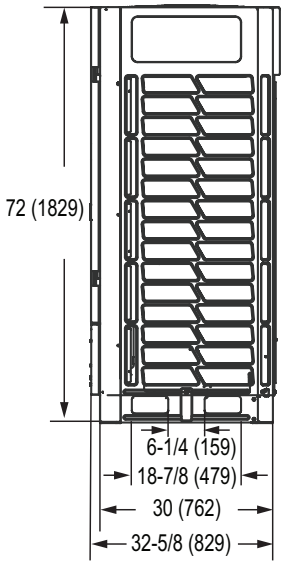


FRONT VIEW

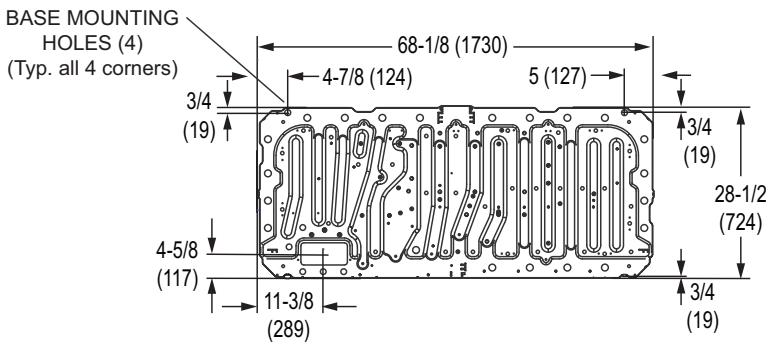
PARELLEL MODULE
PIPING KNOCKOUT

FORKLIFT SLOT
(BOTH SIDES)
(REFIRGERANT LINE PATH)

LIFTING HOLES
(BOTH SIDES)
(FOR RIGGING)



SIDE VIEW



BASE PAN VIEW

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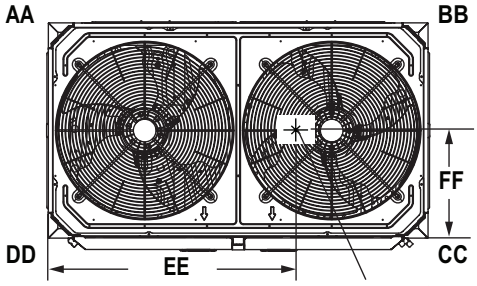
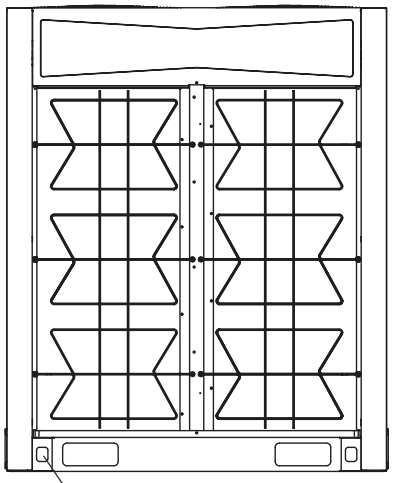
VRF Heat Pump

DIMENSIONAL DRAWINGS - INCHES (MM)

CORNER WEIGHTS									CENTER OF GRAVITY			
Model No.	AA		BB		CC		DD		EE		FF	
	lbs.	kg	lbs.	kg	lbs.	kg	lbs.	kg	in.	mm	in.	mm
VPB072L4	124	57	207	95	215	99	256	118	27-3/4	705	12-1/4	311



TOP VIEW



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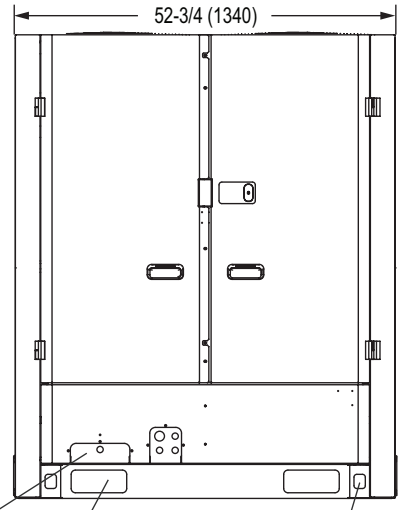

PARELLEL MODULE
PIPING KNOCKOUT

FRONT VIEW

FORKLIFT SLOT
(BOTH SIDES)
(REFIRGERANT LINE PATH)

LIFTING HOLES
(BOTH SIDES)
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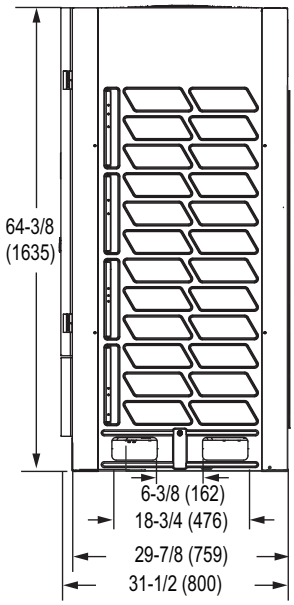
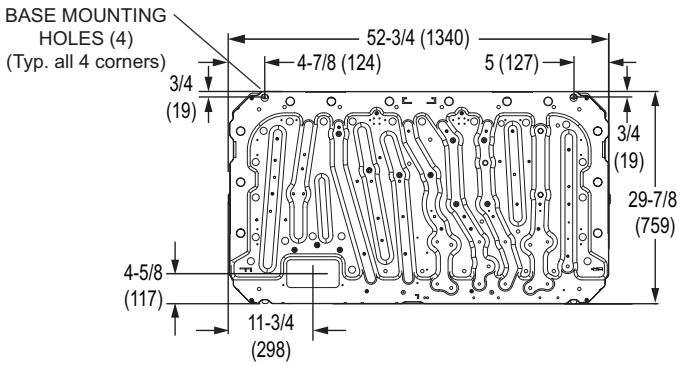


SIDE VIEW



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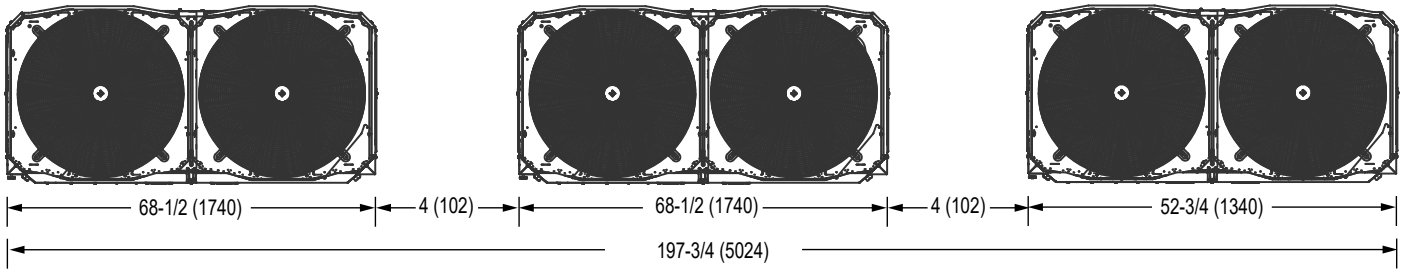
VRF Heat Pump

MULTI-MODULE INFORMATION

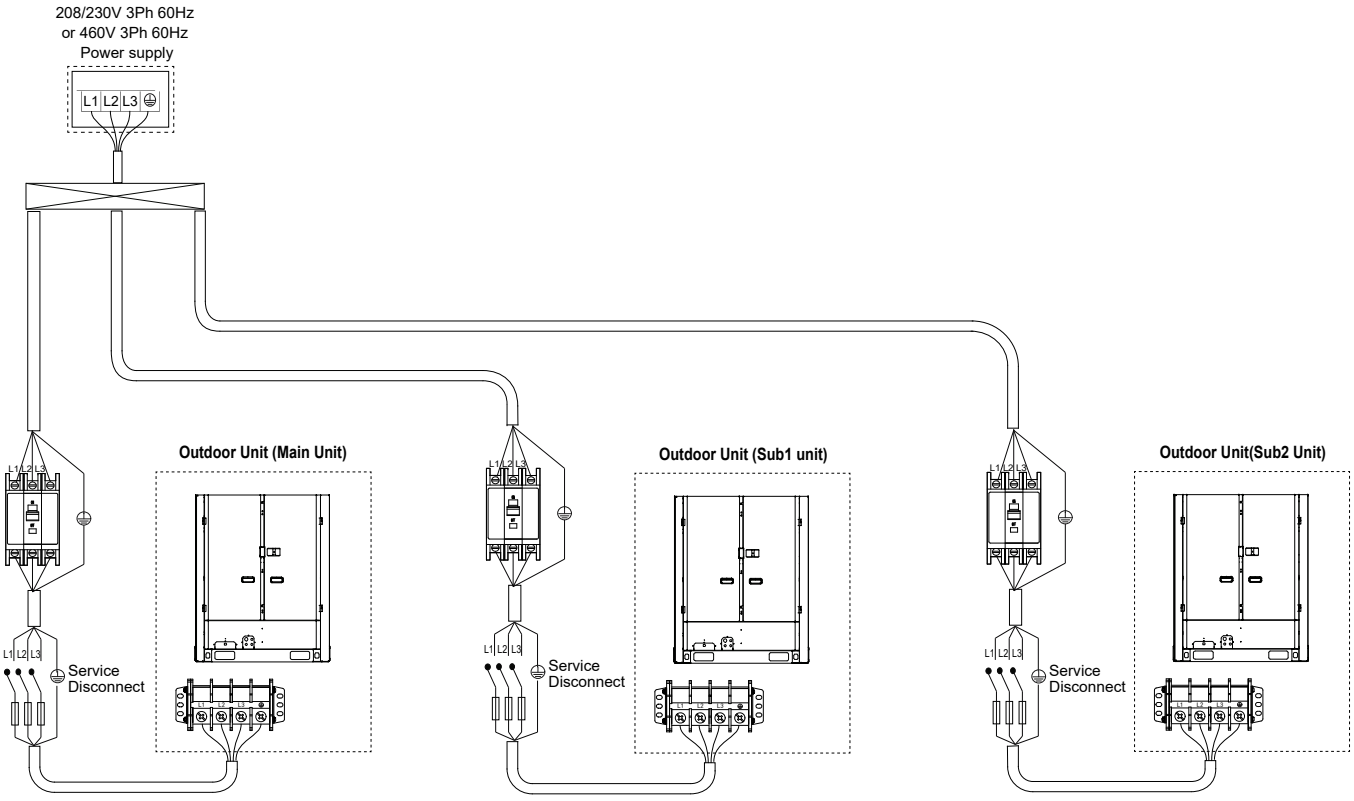
Multi-Module Dimensions



NOTE - *All the outdoor units manifolded together should be installed at the same elevation.*

TOP VIEW

Multi-Module Power



See page 1 for electrical data.
Total system MCA is calcuated by adding the MCA value of each module together to get the total system MCA.
Total system MOP is calcuated by adding the MOP value of each module together to get the total system MCA.

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