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

For:	Reference	Approval	Review	Construction

Heat Recovery 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	144,000
	Rated[2]	138,000
EER	Ducted	11.3
	Non-Ducted	11.6
IEER	Ducted	21.9
	Non-Ducted	20.6
SCHE	Ducted	28.1
	Non-Ducted	32.1
Heating Capacity[1] (Btu/h)	Nominal	162,000
	Rated[2]	154,000
COP47	Ducted	3.63
	Non-Ducted	3.91
COP17	Ducted	2.38
	Non-Ducted	2.54

ELECTRICAL DATA

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

GENERAL DATA

Connection Ratio	50% to 130%
Maximum Number of Indoor Units	26
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 (Each Module)

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

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

ETL LISTED C US
Intertek

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
VRB072L4	124	57	207	95	215	99	256	118	27-3/4	705	12-1/4	311

TOP VIEW

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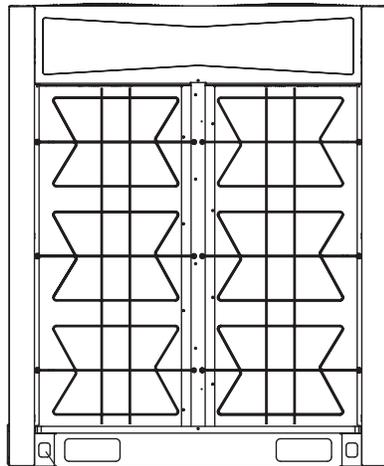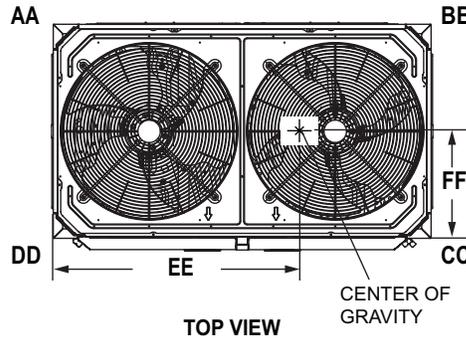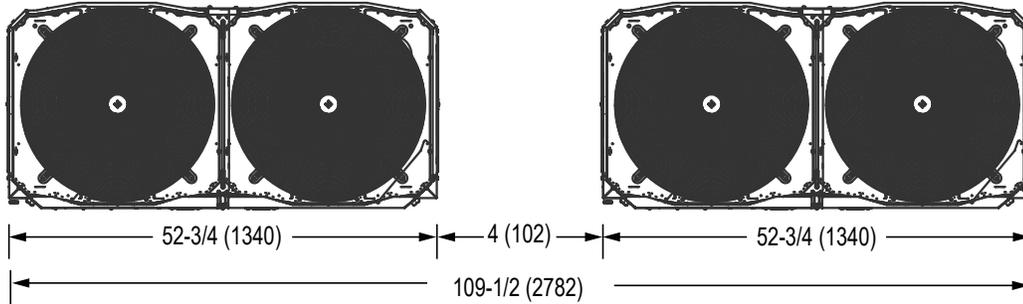
LAG BOLT DESIGNATION
(BOTH SIDES)
(TO ACCESS LAG BOLT)

FRONT VIEW
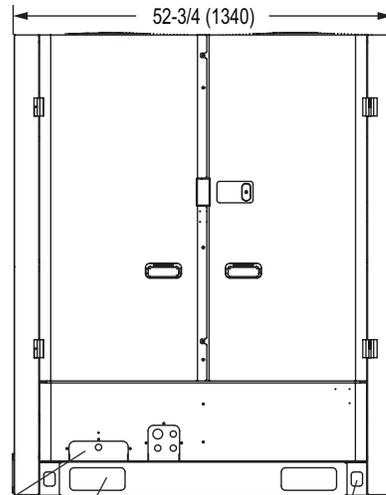
PARELLEL MODULE
PIPING KNOCKOUT

FORKLIFT SLOT
(BOTH SIDES)
(REFIRGERANT LINE PATH)

LIFTING HOLES
(BOTH SIDES)
(FOR RIGGING)
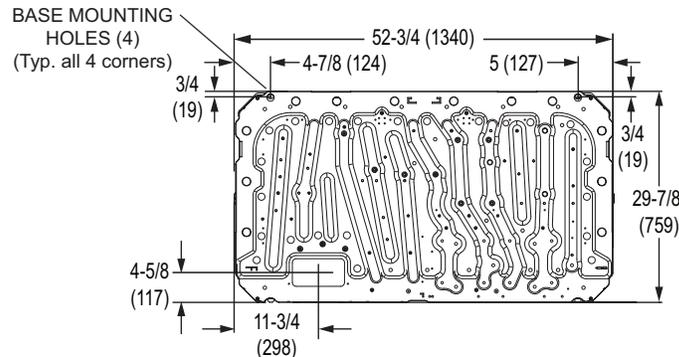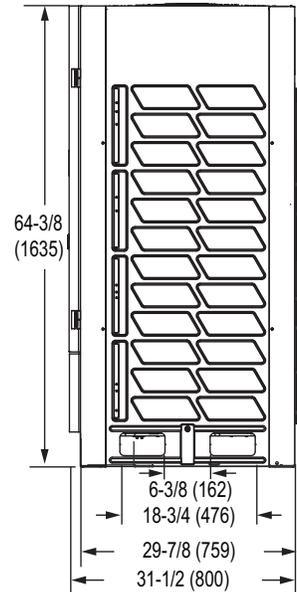
SIDE VIEW

6-3/8 (162)
18-3/4 (476)
29-7/8 (759)
31-1/2 (800)
64-3/8 (1635)

BASE MOUNTING
HOLES (4)
(Typ. all 4 corners)

52-3/4 (1340)
4-7/8 (124)
5 (127)
3/4 (19)
3/4 (19)
29-7/8 (759)
4-5/8 (117)
11-3/4 (298)

BASE PAN VIEW

LENNOX VRF

S U B M I T T A L   D A T A - O U T D O O R   U N I T
VRB144L4M-3Y
VRB072L4M-3Y + VRB072L4M-3Y
VRF Heat Recovery

MULTI-MODULE INFORMATION

Multi-Module Dimensions

52-3/4 (1340)   4 (102)   52-3/4 (1340)

109-1/2 (2782)

TOP VIEW

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

Multi-Module Power

208/230V 3Ph 60Hz
or 460V 3Ph 60Hz
Power supply

L1 L2 L3 ⏚

L1 L2 L3

Outdoor Unit (Main Unit)

L1 L2 L3
Service Disconnect

Outdoor Unit (Sub1 unit)
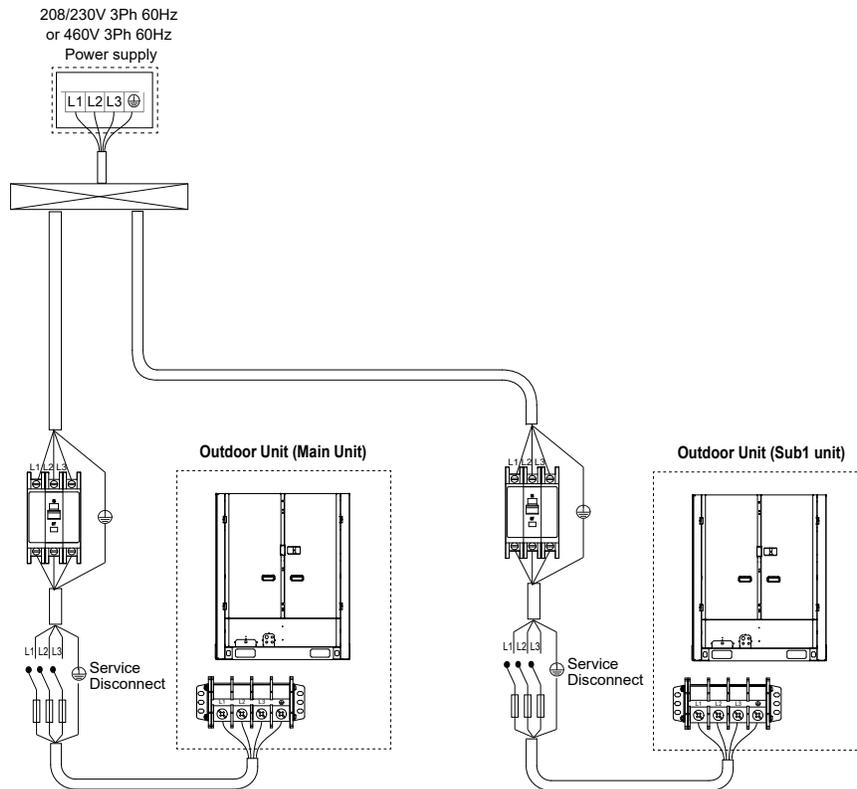
See page 1 for electrical data.
Total system MCA is calcuated by adding the MCA value of each module together to get the total system MCA.
Total system MOP is calcuated by adding the MOP value of each module together to get the total system MCA.