

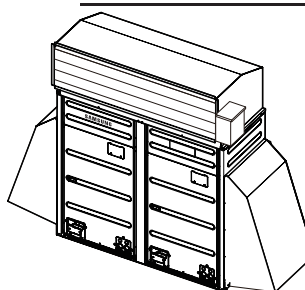
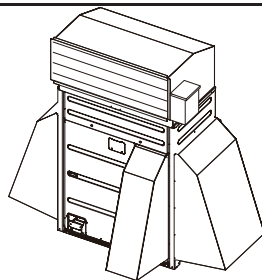
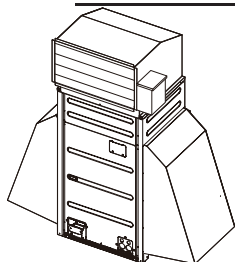


Powered by
SAMSUNG

SUBMITTAL Low Ambient Cooling Accessory for Lennox Powered by Samsung Outdoor Units

Job Name _____
Purchaser _____
Submitted to _____
Unit Designation _____

Location _____
Engineer _____
Reference _____ Approval _____ Construction _____
Schedule # _____



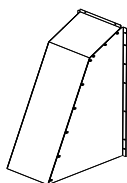
Description

- Low ambient cooling hoods and side guards for Lennox Powered by Samsung heat pump and heat recovery outdoor units.
- Installation of V1LACH01-4P, V1LACH02-4P, or LACH-3B hoods along with applicable side guards will allow cooling operation down to -13°F.
- 100% cooling capacity at -13°F (before de-rate for pipe length and vertical separation, see page 2 for more details).
- Construction: 20-gauge, galvanized steel
- Polyester Super Durable powder coating
- Advanced logic control will be done to fine tune louver position based on outdoor unit high pressure, outdoor ambient temperature, outdoor unit compressor compression ratio, mode, and other outdoor unit points.
- Made in USA (excluding PCB)

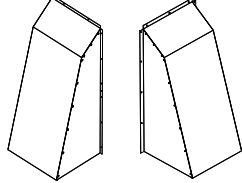
Notes

- When cooling operation below 23°F is required for heat pump systems, a low ambient hood (V1LACH01-4P, V1LACH02-4P, V1LACH03-4P), left guard, right guard, rear guard, and front guard (medium chassis) must be installed. Each outdoor unit must have a hood and all applicable guards installed (see page 2 for required components).
- V1LACH01-4P, V1LACH02-4P and V1LACH03-4P shall have an internal transformer, intelligent control PCB, and a Belimo actuator.
- The outdoor unit must install 12" minimum above the ground or 12" minimum above anticipated snowfall depth.
- Clearance around the outdoor unit must be at least 18" greater than standard clearances ("unrestricted" wall height clearances in outdoor unit installation manual).
- When using the top LACH hoods (V1LACH01-4P, V1LACH02-4P, V1LACH03-4P) ensure that prevailing winds will not blow into the guard. Prolonged exposure to strong winds blowing into the guard can decrease performance and cause motor failure.
- All LACH guards ship fully assembled and include mounting hardware.
- V1LACH01-4P, V1LACH02-4P and V1LACH03-4P can install forward or backward discharging air to the front or the back of the outdoor unit.
- 1Ø, 208/230 VAC power required (supplied by ODU PCB).

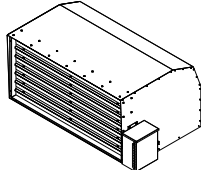
Front guard



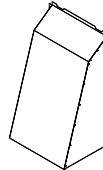
Side guards



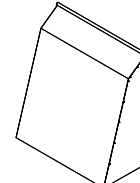
Top guard (medium chassis)



Back guard (small/large chassis)



Back guard (Medium chassis)



Capacity correction

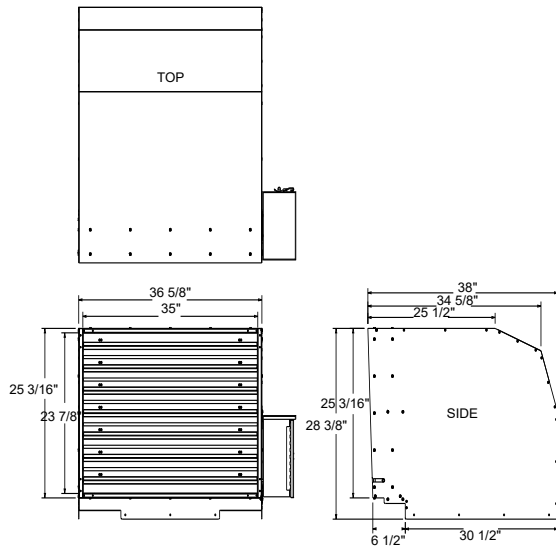
Performance Correction	Outdoor Temperature (°F,DB)			
	Less than 23	Less than 99	Less than 107	Greater than 107
Correction Factor	1.00	1.00	0.95	0.9

Capacity Correction = Cooling Capacity x Correction Factor

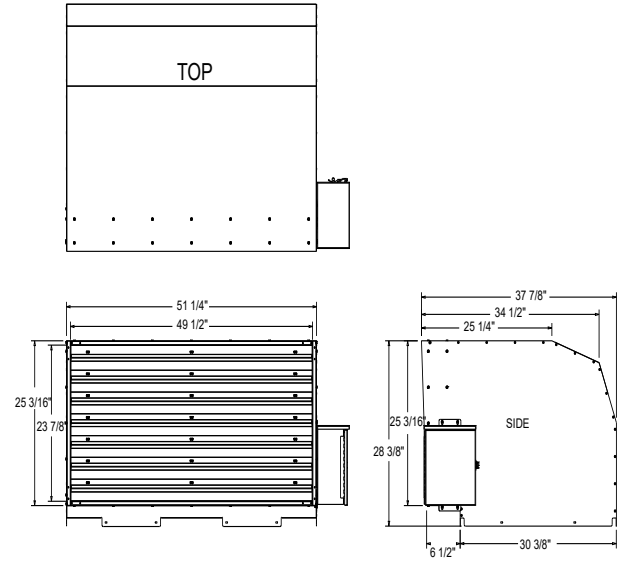
Weights

Model Number	Weight (lbs.)
V1LACB04-4P (left side guard, all chassis)	30
V1LACB05-4P (right side guard, all chassis)	32
V1LACB02-4P (back guard, small/large chassis)	34
V1LACB03-4P (back guard, medium chassis)	42
V1LACH01-4P (top guard, small chassis)	86
V1LACH02-4P (top guard, medium chassis)	117
V1LACH03-4P (top guard, large chassis)	151
V1LACB01-4P (front guard, medium chassis)	22

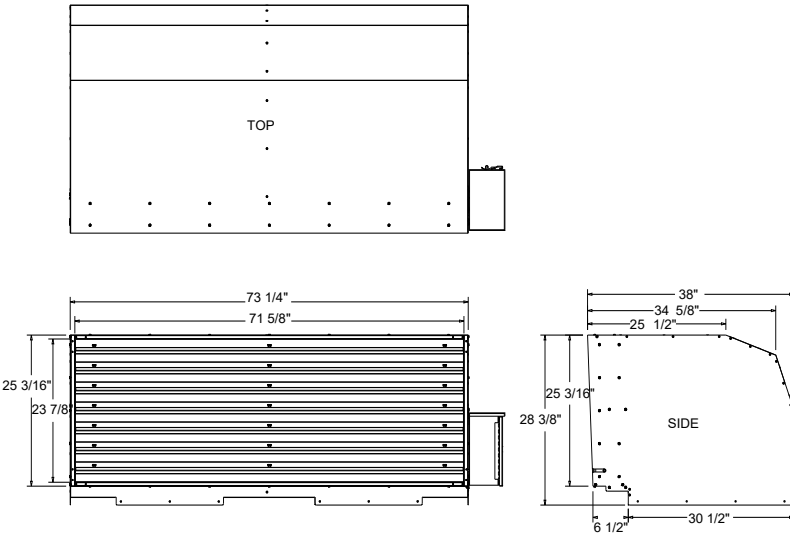
V1LACH01-4P (top guard, small chassis)



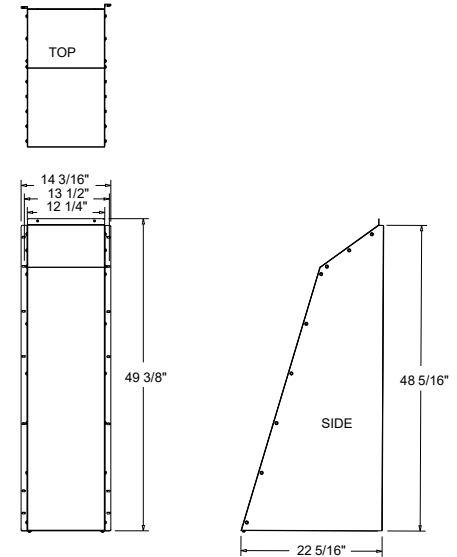
V1LACH02-4P (top guard, medium chassis)



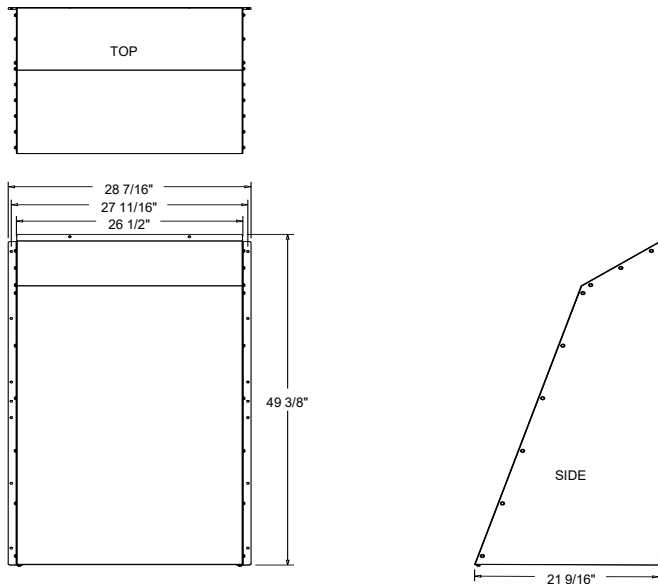
V1LACH03-4P (top guard, medium chassis)



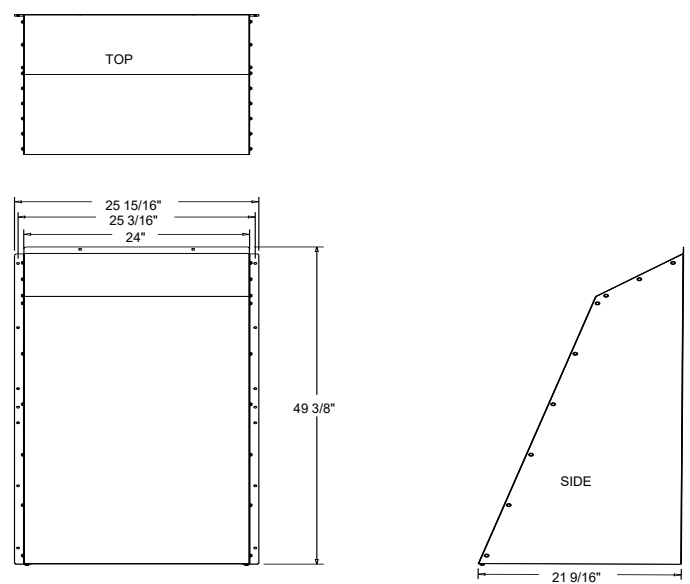
V1LACB01-4P (front guard, medium chassis)



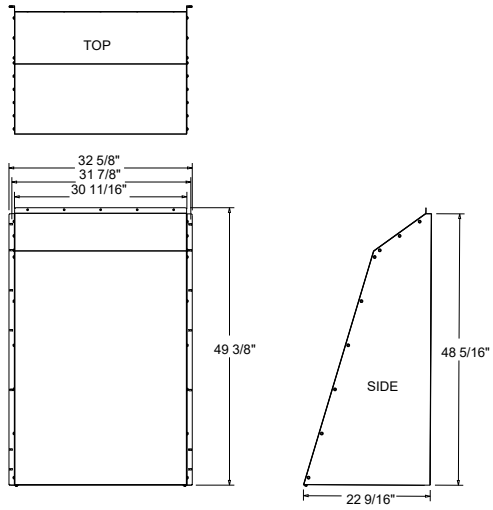
V1LACB05-4P (right guard)



V1LACB04-4P (left guard)



V1LACB02-4P (rear guard, small chassis)



V1LACB03-4P (rear guard, large chassis)

