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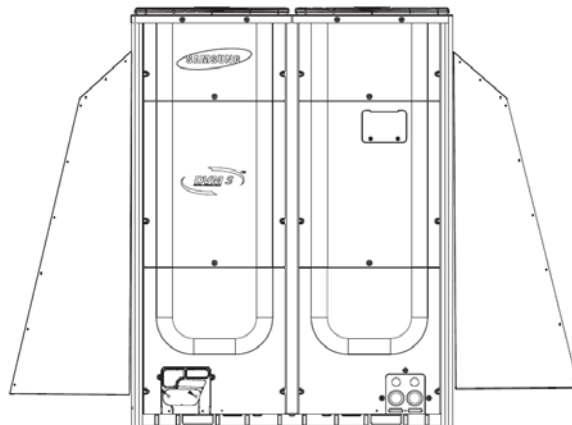
Subject: DVM S Heat Pump Extended Cooling Operation Range

Models: AM*****XV**H2AA, AM*****XV**H/AA

DVM S Extended Cooling Operation Range

With the addition of Low Ambient Cooling (LACH) side and rear panels*, cooling operation can be extended below the standard minimum operating temperature of 23°F outdoor ambient.

Installation Details	Minimum operating temperature for cooling		
	Previous Lowest Outside Ambient	Updated Lowest OD Ambient	
		Normal installation	Installation of indoor units in a room with a significant cooling load (ex: machine room)
Without Low Ambient Panels (standard)	23°F	23°F	14°F
With Low Ambient Panels			5°F



Limitations

In order to expand the low temperature operation range, the following conditions must be satisfied. If not, system errors (ex. E428 - abnormal compression ratio) or serious damage to the system may occur.

1. LACH side and rear guards must be installed*.
2. All the indoor units are installed in a room with a significant cooling load that requires cooling operation in all four seasons (ex: machine room).
3. Operation of 50% of indoor unit capacity or more.
4. Not allowed for installations that have a 148 foot height difference if outdoor unit's location is lower than the indoor units location.

*Part numbers for the Low Ambient Panels (LACH) can be found at [https://dvmdownload.com/DVM-S-Series-\(VRF\)/DVM-S-Accessories/Low-Ambient-Cooling-Hood-Accessories-\(LACH\)](https://dvmdownload.com/DVM-S-Series-(VRF)/DVM-S-Accessories/Low-Ambient-Cooling-Hood-Accessories-(LACH))