

Variable Frequency Drive (VFD)



For 3-Phase Air Curtain Models

atmosphere is everything

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Variable Frequency Drive

Total HP	Remote Mounted			Description
	208/230V	460V	575V	
up to 2	27-001S	27-014S	27-019S	VFD, up to 2 HP, 3Ø, NEMA 1
3-5	27-016S	27-028S	27-021S	VFD, 3-5 HP, 3Ø, NEMA 1
7 1/2	27-002S	27-008S	27-044S	VFD, 7 1/2 HP, 3Ø, NEMA 1
10	27-003S	27-009S	27-045S	VFD, 10 HP, 3Ø, NEMA 1
15	27-004S	27-010S	27-017S	VFD, 15 HP, 3Ø, NEMA 1

Higher HPs available. Please contact factory for details.

Drives are 50hz/60hz rated and compatible for use with 190/220V, 380-415V, and 500V, respectively per above.

*note: VFD's are not compatible with the following models: LPV2, LPN2, EP2, WMI, WMH. And are not recommended for N2 & NH2 models.

Standard Sequence of Operation (SOO):

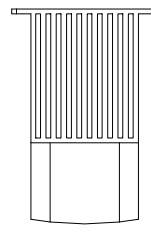
- Door Switch turns unit on when the door is open
- Door Switch turns unit off when the door is closed
- Interface Buttons on the VFD:
 - Turns unit On/Off
 - Controls Motor Speed
 - Hi Speed (60Hz) Factory Preset (1725 RPM)
 - Low Speed Manually Field Adjustable (1450 RPM)

Features:

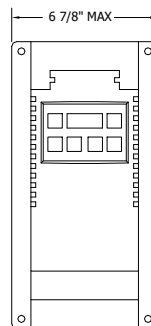
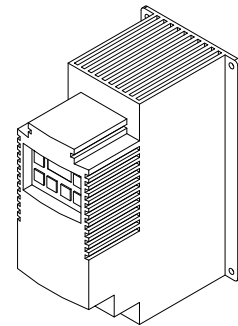
- ❖ 0-240 Hz output frequency
- ❖ Recommended
- ❖ Preset multi speeds
- ❖ Adjustable acceleration and deceleration times
- ❖ Adjustable carrier frequency
- ❖ Accel boost for high torque acceleration
- ❖ LED display
- ❖ Password Protected
- ❖ Constant torque with adjustable current limit
- ❖ NEMA 1 enclosure with finger safe terminals
- ❖ Automatic restart after fault
- ❖ UL Listed
- ❖ 1 year parts warranty

Options and Accessories: (see Accessories Brochure)

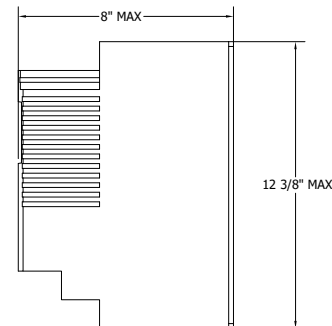
- ❖ Custom programming and SOO (e.g. Time Delay)
- ❖ BACnet capabilities, contact factory.
- ❖ Higher multiple speed packages available, up to seven preset speeds
- ❖ Remote digital interface
- ❖ Single phase input (3 phase output) available
- ❖ Custom voltages available, contact factory.
- ❖ NEMA 4x Washdown available
- ❖ VFD can be integrated to operate with Mars Control Panel
 - MCP-VR accessory adder required with MCP panel



Top View



Front View



Side View

NOTE: MARS AIR SYSTEMS, LLC reserves the right to change specifications and product design without notice. Such revisions do not entitle the buyer to corresponding changes, improvements, additions or replacements for previously purchased equipment.