

FRENIC-HVAC Inverter

Specifications

Item	Specifications
Capacity (HP)	208V Series: 1 - 125HP 460V Series: 1 - 1,000HP 575V Series: 1 - 300HP
Overload Capability	110% 1 Min
Input Power	208V Series: Single/Three Phase 200 to 240V, 50/60Hz 460V Series: Single/Three Phase 380 to 480V, 50/60Hz 575V Series: Single/Three Phase 575 to 600V, 50/60Hz Voltage: +10% to -15% (Unbalance 2% or Less) Frequency: +5% to -5%
Control	V/F Control, Torque Vector Control
Output Voltage	208V Series: Three Phase 200 to 240V (with AVR Function) 460V Series: Three Phase 380 to 480V (with AVR Function) 575V Series: Three Phase 575 to 600V (with AVR Function)
Output Frequency	120Hz Maximum
Output Stability	Analog Setting: $\pm 0.2\%$ of Maximum Frequency Digital Setting: $\pm 0.01\%$ of Maximum Frequency (by Keypad)
EMC Filter	Built-In
DC Reactor	$\leq 60\text{HP}$ 208V, 125HP 460V/575V Built-In $\geq 75\text{HP}$ 208V, 150HP 460V/575V Come with Drive (External)
Displacement Power Factor	> 0.98 (At Rated Load)
True Power Factor	≥ 0.90 (At Rated Load)
Efficiency	$\geq 97\%$ (At Rated Load)
Ambient Temperature	NEMA/UL Open/Type 1: -10 to 50°C (14 to 122°F), NEMA/UL Type 12: -10 to 40°C (14 to 104°F)
Storage Temperature	-25 to 70°C (-13 to 158°F)
Relative Humidity	5 to 95% RH (Without Condensation)
Installation Location	IEC60664-1 Pollution Degree 2. (Free from Corrosive Gases, Flammable Gases, Oil Mist, Dust and Direct Sunlight) Indoor Use Only
Altitude	$\leq 3,300\text{ft}$ (1,000m) , 3,300ft (1,000m) to 9,900ft (3,000m) with Derating
Enclosure	NEMA/UL Type1 & 12: $\leq 60\text{HP}$ 208V, 125HP 460V/575V UL Open Type, NEMA/UL Type1 by option kit: $\geq 75\text{HP}$ 208V, 150HP 460V/575V
Safety	EN ISO13849-1, EN954-1, Category 3
Standard	UL, cUL: UL508C, C22.2 No. 14, EN61800-5:2007 CE: IEC/EN61800-5-1: 2007 (LV Directive); IEC/EN61800-3-12 (EMC Directive) SEMI F47-0706 RoHS: 2002/96/EC

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