

4. PRODUCT SPECIFICATIONS

Performance Specifications

Table 4-1: Performance Specifications

Service Load Condition	Inverter Duty Three Phase Motors
Voltage	380 – 600 VAC +/- 10%, 60Hz
Input Voltage Wave Form	PWM
Inverter Switching Frequency	2kHz – 10kHz (3-110A models) 2kHz – 5kHz (130A-600A models)
Inverter Operating Frequency	0 – 90 Hz without derating
Maximum Ambient Temperature	60C Open filters 50C Enclosed Filter
Insertion Loss (Voltage)	1.7% at 60 Hz, 2.6% at 90 Hz
Efficiency	>98%
Current range	3A – 600A
Available form factors	Panel NEMA 1/2 NEMA 3R
Altitude without derating	1,000 feet above sea level
Maximum Motor Lead Length	1,000 feet
Relative Humidity	0% to 99% non-condensing
Current Rating	100% RMS Continuous 150% for 1 minute 200% for 10 sec *Operating in overload will result in increased proportional voltage drop
Audible Noise	<65db at 1 meter
Rise Time	Less than 0.1 uS
Peak Voltage	150% of DC bus voltage up to 1,000 feet
Common Mode Reduction	50%+ Peak Current Reduction Typical