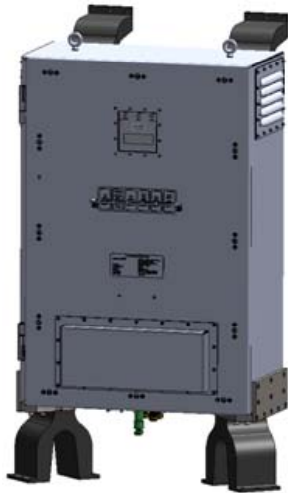


10 HP Variable Speed Drive - Motor Controller

- Advanced Naval Drive Technology -



BENEFITS OVER PULSE WIDTH MODULATION (PWM) DRIVES

Low Input & Output Emissions

Very Low Input Harmonics – Less Than 3% of Full Load Fundamental

Low Output Voltage Transients (dv/dt) – As Much as 1000 Times Lower Than PWM

Increased Installation Flexibility – 500' or More Between Motor & Drive

Use With Standard Induction Motors (Non Inverter Grade Motors)

Increased Motor Bearing Life

Lower Stored Energy

AC-link™ Drive Technology
By



MIL-PRF-32168

Military Part Number	M32168-1A1A1C2BA2
Voltage Rating	440VAC, 3 Ø
Power Rating	10HP to 5HP
Control Scheme	Open Loop Scalar (Current Source)
Cooling Type	Air Cooled
Regeneration	Yes
Front End Type	Other: AC Link
Frequency Range	5-60Hz
Dynamic Braking	No (Dynamic Braking via Software Control, not Resistive Dissipation)
Machine Type	Induction
Load Type	Variable Torque

MIL STANDARD QUALIFICATIONS

Shock	MIL-STD-901D: Grade A, Unrestricted, Deck (8 & 14Hz)
Vibration	MIL-STD-167-1: 4-25Hz
EMI	MIL-STD-461E: CE102, RE101, RE102, CS101, CS114, CS116, RS101, RS103
Shipboard Power	MIL-STD-1399: Sections 5.3.1, 5.3.2, 5.3.3, 5.3.4, 5.3.5, 5.3.6, 5.3.7, 5.3.8, 5.3.9

ENVIRONMENTAL / PHYSICAL

Temperature	0-50° C Operational
Humidity	0-95% (Non-Condensing)
Degree of Protection	Drip Proof - 45 Degree Inclination
Airborne Noise	63.5 dB Max at 2kHz
Size	35 x 24 x 12" (H, W, D)
Weight	250 Lbs

INTERFACE

Front Panel Interface	Toggle Switch Controls, 4 Line LCD, Power, Run & Fault LED's
Communications	Modbus RTU Profibus DP Copper or Fiber Ethernet (Web User Interface)
I/O	Analog Inputs (2), Discrete Inputs (4), Relay Outputs(2 DPST)