

New
Product

TECO  Westinghouse

INTRODUCING THE HIGH HP DRIVES OF THE RUGGED GA7200 FAMILY



TECO-Westinghouse is proud to announce the extension of its GA7200 product line to include 250 - 450 HP Constant Torque, AC Drives.

PROVEN DESIGN - Robust engineering combined with the latest power electronics • **NEMA 1 ENCLOSURE IS STANDARD** - Heavy Duty Package is ready to install - no need to buy a separate enclosure • **COMPACT SIZE** - Small footprint allows the drive to be easily placed into a control panel for a complete systems solution • **CLEAN OUTPUT WAVEFORM** - Provides smooth, quiet operation of the motor • **COMPETITIVE COST** - Best value in the Industry

| Product Details | Model Number | HP Constant Torque | Drive Amps Constant Torque | Height | Width | Depth | Weight (lbs.) |
|----------------------------------------|-------------------------------------------------|---------------------------|----------------------------------------------------------------------------|---------------------|--------------|------------------------------|----------------------|
| | GA7200-4250-N1 | 250 | 340.0 | 52.36 | 28.74 | 15.04 | 370 |
| | GA7200-4350-N1 | 300 / 350 | 450.0 | 52.36 | 28.74 | 15.04 | 390 |
| | GA7200-4450-N1 | 400 / 450 | 600.0 | 52.36 | 28.74 | 15.04 | 435 |
| Output Characteristics | GA7200 NEMA 1 | | 380 - 460V | 250 - 450HP | | Constant Torque | |
| | Maximum Voltage | | 460 Volt | 3-Phase, 380 - 460V | | | |
| | Rated Output Frequency | | 0 - 400Hz | | | | |
| Power Supply | Rated Input Voltage & Frequency | | 460 Volt | 250 - 450HP | | 3-Phase, 380 - 460V, 50/60Hz | |
| | Voltage Fluctuation | | | | | +10%, -15% | |
| | Frequency Fluctuation | | | | | +/-5% | |
| Control Characteristics | Control Mode | | V/Hz | | | | |
| | Operation Mode | | LED Display | | | | |
| | Carrier Frequency | | Programmable: 0.4 - 2kHz | | | | |
| | Frequency Control Range | | 0.1 - 400Hz | | | | |
| | Frequency Accuracy | | Digital Command: 0.01% (+14°F - 104°F) | | | | |
| | | | Analog Command: 0.1% (77°F +/-14°F) | | | | |
| | Frequency Setting Resolution | | Digital Operator Reference: 0.01Hz | | | | |
| | | | Analog Reference: 0.06/60Hz | | | | |
| | Overload Capacity | | Constant Torque: 150% Rated Output Current for 60 Seconds | | | | |
| | | | Variable Torque: 110% Rated Output Current for 60 Seconds | | | | |
| | Frequency Setting Signal | | 0 - 10VDC, 4 - 20mA | | | | |
| | Accel/Decel Time | | 0.1 - 6000 Seconds (Independent Accel/Decel Time Settings) | | | | |
| | Number of V/F Patterns | | 15 Preset V/F Patterns, 1 Custom V/F Pattern | | | | |
| | Braking Torque | | Approximately 20% | | | | |
| Protective Functions | Stall Prevention | | Stall Prevention at Acceleration/Deceleration and Constant Speed Operation | | | | |
| | Instantaneous Overcurrent | | Motor Coasts to a Stop at Approximately 200% of Rated Output Current | | | | |
| | Motor Overload Protection | | Electronic Thermal Overload Relay | | | | |
| | Overvoltage | | Motor Coasts to a Stop if Inverter Bus Voltage exceeds 800VDC | | | | |
| | Undervoltage | | Motor Coasts to a Stop if Inverter Bus Voltage drops to 420VDC or below | | | | |
| | Momentary Power Loss | | Motor Coasts to a Stop after Momentary Power Loss lasting over 15ms | | | | |
| | Overheat Protection | | Protected by Thermistor | | | | |
| | Ground Fault | | Provided by Electronic Circuit | | | | |
| | Power Charge Indication (LED) | | Charge Lamp stays ON until Bus Voltage drops below 50VDC | | | | |
| Control Connections | Control Power | | 24VDC | | | | |
| | Speed Reference Supply | | 15VDC, 20mA | | | | |
| | External Frequency Command | | 0 - 10VDC, Input Impedance 20k Ohms | | | | |
| | | | 4 - 20mA, Input Impedance 250 Ohms | | | | |
| | Auxiliary Analog Input | | External Speed Potentiometer, 0 - 10VDC, 2K Ohms Minimum, 2 Watts | | | | |
| | Analog Outputs | | 1 Programmable, 0 - 10VDC, Input Impedance 20K Ohms | | | | |
| | Digital Inputs | | 1 Programmable, 0 - 10VDC, 4-20 mA (Option Card) | | | | |
| | Digital Outputs | | 8 Digital Inputs (4 Programmable) | | | | |
| | | | 1 Fault Contact, Form C Relay, 250VAC, 1 Amp or 30VDC, 1Amp or less | | | | |
| | | | 1 Programmable, Form A Relay, 250VAC, 1 Amp or 30VDC, 1 Amp or less | | | | |
| | | | 2 Programmable, Open Collector, 48VDC, 50mA | | | | |
| | Serial Communications | | RS-485 MODBUS Protocol (SC-M Option Card) | | | | |
| Environmental Conditions | Location | | Indoor (Protected from Dust and Corrosive Gases) | | | | |
| | Ambient Temperature | | +14 to 104°F (Not Frozen) | | | | |
| | Storage Temperature | | - 4 to 140°F | | | | |
| | Humidity | | <90% RH (Non-Condensing) | | | | |
| | Vibration | | 1G at 10 to 20Hz, up to 0.2G at 20 - 50Hz | | | | |
| Certifications & Compliance | UL Standard: 1 - 200HP, UL Pending: 250 - 450HP | | | | | | |
| | CE: 1 - 450HP | | | | | | |

