



Design, Manufacturing & Distribution – Motion Control Equipment

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FOR IMMEDIATE RELEASE – NEW 12 VOLT DC GEARMOTOR

“Powerful, Lightweight, Unit provides benefits for battery powered Electric Vehicles, Robotics & Automation Applications”

03 Nov, 2009 “Compact New 12 Volt DC Gearmotor Develops 1350 LB-IN. Torque at 10 RPM”

Midwest Motion Products of Watertown, Minnesota, is pleased to announce the release of a new DC Gear Motor, the Model No. MMP-D33-455B-12V GP81-308. Accepting any 12 Volt DC source, including battery power, this robust Gear Motor measures just 3.2” (max) Diameter, by 10” long, and has a keyed output shaft of 19mm diameter by 40mm long. Easy mounting is accomplished with 4 “face mount” M6 threaded holes, equally spaced on a 65mm Dia. B.C. The output of this reversible gearmotor is rated for 1350 IN LBS continuous torque, at 10 RPM, and 2124 IN LBS Peak. Despite its compact size, and weight of approximately 12 pounds, it’s an efficient design, requiring just 21 Amps at 12 Volts DC to generate its Full Load Torque. That translates into long life battery charge, very LOW NOISE operation, and lower cost drive electronics. Motor windings for 24v, 36v, 48v, 60v & 90 Volts are available. This unique design is rated at an “IP 54” protection level for operation in harsh environments. Variable Speed can be accomplished with our fully compatible Speed Controls, Model MMP 25A-12V, or MMP 20A-12V-RSP.

Samples are available FROM STOCK for rapid prototyping needs. An up to date listing of Finished Products available from Stock can be found at <http://www.midwestmotion.com/inventory.pdf> ...

Typical options available from the company include Servo Motors with integral Optical Encoders, Failsafe Brakes, Analog Tachometers, and Planetary Gearheads, with standard ratios ranging from 3:1 to 2653:1, and standard or low backlash precision gearing available. Motor Winding Options include 24V, 36V, 48V, 60V and 90 Volts DC.

The company offers a variety of standard ancillary equipment including DC power supplies, DC Servomotors, PWM Servo Amplifiers, Motor Speed Controls, Linear Actuators and a wide variety of DC gear-motors. Custom Motor Shaft and mounting configurations are also available. Typical applications include Battery Operated Motors & E.V. drives, Medical, Mobility / Accessibility products, Robotics & Automation including (Military) Unmanned Guided Vehicles, Solar Tracking Equipment, Actuators, Packaging & Labeling Machines, Metalworking Machines, and many other applications requiring precise motion control.

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**SERVING OUR VALUED
CUSTOMERS IN THE
MOTION CONTROL
INDUSTRY SINCE 1978**



Providing Brushed and Brushless DC Servomotors, Servo Amplifiers, Precision Gearmotors, Optical Encoders, Linear Actuators, DC Power Supplies, and Sealed (IP-65) Motor Speed Controls.