





PRODUCT COM #562
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
TO: Field Sales, Wausau Motor Marketing, Motor Representatives, Application Engineering, Warranty Service,
HVAC/R Sales Team

FROM: Chris Voll

SUBJECT: Vector Duty Motor with Integrated Encoder!

Hear Ye, Hear Ye, **New MAX motor announced!**


I am pleased to announce the latest addition to the Max family of motors, the **MAX** ! The **MAX**  is the newest addition to a fabulous line of variable speed vector duty motors. Given our lead in understanding the interaction between the latest inverter technologies and AC induction motors, it should be no surprise that Marathon Electric has once again raised the standard in the motor industry.

The **MAX**  incorporates a low rotor inertia for fast starts, stops, and reversals. Coupled with an encoder make this useful in applications traditionally served only by servo systems. The **MAX**  is also suitable for “volts per hertz” (V/F) or “flux vector” applications where up to a 1000:1 Constant Torque speed range is required. All ratings (½ to 5hp) are in stock, see attached catalog page!

Typical uses include: material handling, machine tools, conveyors, crane and hoist, metal processing, test stands, pumps compressors, textile processing, and other industrial applications where speed control and positioning are required.

Features incorporated into this new product line include:

- **Integrated Dynapar HS20 1024 ppr encoder**
- **Class F insulation with CR200 corona resistant magnet wire**
- **Constant Torque operation from 0 to base speed on Vector Drive**
- **Constant horsepower to twice base RPM**
- **Continuous duty at 40 Deg C ambient**
- **Optimized for operation with IGBT inverter**
- **Removable base with C-Face mounting versatility**
- **UL Recognized under File #E12044**
- **CSA Certified under File #LR47504**
- **CE Mark for use worldwide**
- **Three year warranty**

When configured with today's cost-effective AC Micro Drives, the **MAX**  offers a very competitive solution to the market.