

# OPTIM<sup>®</sup> JM

NEMA PREMIUM EFFICIENCY  
TEFC / CLOSE COUPLED  
PUMP MOTORS



**TECO**  **Westinghouse**

MOTORS (CANADA) INC.



## NEMA PREMIUM EFFICIENCY TEFC / CLOSE COUPLED PUMP MOTORS



The OPTIM® JM is a state-of-the-art machine designed for commercial and industrial closed coupled pump applications.

Couple your OPTIM® JM with our TECO VFD's for energy savings & speed control. TECO-Westinghouse offers a variety of pump solutions for commercial and industrial applications. Please contact us for more information.

### PRODUCT FEATURES

- Available from 1-50HP; 2, 4 & 6 Pole
- Totally Enclosed Fan Cooled IP54 Design
- NEMA Premium Efficiency
- AC, Three Phase, 60Hz, 230/460V (usable on 208V); or 575V. 50Hz and Other Voltages Under 600V are Available Upon Request
- Rugged Cast-iron Construction on Frame, End Brackets and Conduit Box
- Oversized, Double Shielded Vacuum Degassed Ball Bearings Frames 140JM (2, 4 & 6 Pole) - 280JM (4 & 6 Pole) and Open Bearings with Regreaseable Provisions Frames 280JM (2 Pole), 320JM
- Polyrex EM Grease in All Regreaseable Bearings, Multemp SRL Grease in Sealed Bearings
- \*HPE™ High Pulse Endurance Spike Resistant Wire for Inverter Duty Applications
- \*Inverter Duty Speed Range Includes: 10:1 CT and 20:1 VT at S.F.=1.0
- \*Meets NEMA MG1 Part 31.4.4.2
- 9 Leads 5HP and Below, 12 Leads 7.5 -50HP; 3 Leads for All 575V Motors
- Dual Drilled Feet for Longer Frames (i.e. 326JM Dual Drilled for 324JM)
- JM Pump Shaft
- -40°C to 40°C Ambient
- CSA Certified for Class 1, Division II, Groups B, C and D
- CSA Certified for Inverter Duty Operation in a Class I, Division II, Groups B, C and D Area
- JP Frames Available by Special Order
- Modifications Available Through Our Kwikmod Program (Contact Your Nearest TWMI Representative for Pricing and Delivery)
- \* Precautions should be taken to eliminate or reduce voltage spikes and shaft currents that may be imposed on the motor by the VFD as stated per NEMA MG1, Part 31.4.4.

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