SINGLE SOURCE SUPPLIER



Energy Savings for the Water/Wastewater Industry

Optimized Motor Driven Systems



A Single Source Helping to Optimize Your Efficiency and Reliability

LOW VOLTAGE: The widest range of Motors, Drives and Soft Starts



Partner your efficient motor with the compatible Low Voltage Drive or Soft Starter

Drives

- 0.25 HP 2500 HP
- 230V 690V
- Component and Package Systems

Soft Starters

- 3HP 1200 HP
- 230V 575V
- Component and Package Systems

Pump Genius

VFD Pumping System



NEMA Premium SUPER Premium GEAR Motors

Much more than your typical cast iron motor: Severe Duty is standard with WEG W22 motors.

LV Motors

- 1HP 700HP in stock
- 230V 575V
- Inverter Rated 1000:1 Variable Torque 20:1 Constant Torque
- IEEE841 Vibration Levels
- Class 1 Div 2
- 1.25 sf

MEDIUM VOLTAGE: The most reliable Motors, Drives and Soft Starters



Multiple options when pairing your MV motor with a MV Soft Starter or Drive

MV Soft Starters

- up to 12,000 HP
- Motor voltage: 2.3kV, 4.16kV
- NEMA12, IP41
- Operating interface (HMI) with graphic LCD
- In Stock Solutions

MV Drives

- 500 to 22,500 HP (400 to 16,000 kW)
- 2.3 kV to 6.9 kV
- up to 120 Hz



MEDIUM Voltage

Induction Motors

- 200HP 5,700 HP
- 2,300V 10,000V
- Horizontal Mounting
- IC01, IC611 and IC81W (TEFC, WPII, TEAAC and TEWAC)



Synchronous Motors

- 400HP 150,000HP
- 2,300V 14,440V
- Horizontal & Vertical
- NEMA, IEEE, IEC, API 546, ISO 9001-2008
- DP, DPG, WPI, WPII, PMDP™, TEWAC, TEAAC, TEFV

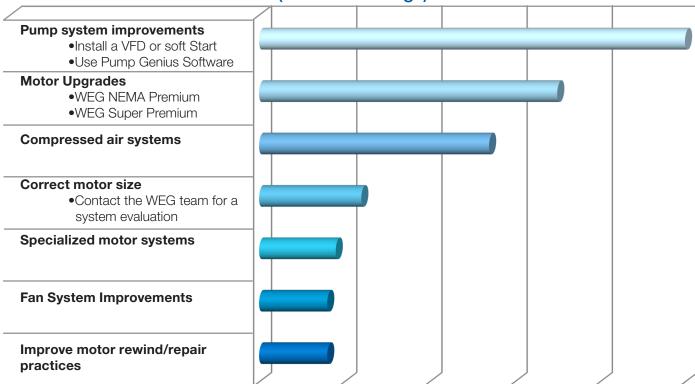
Opportunities to Save On Your Motor Driven Systems

Motors consume the vast majority of the electricity used in municipal water systems, with most used for pumping (46%) and aeration (40%).



Savings Opportunities

(Relative Savings)



Savings could be MORE if you have the Most Reliable Motors: WEG W22 and Super Premium Motors

Water / Wastewater facilities account for up to 35% of municipal energy usage.

Motor Specifications



NEMA Premium[®] General Purpose Motor Specification TEFC - Totally Enclosed Fan Cooled Motor 1 - 700 HP

1.0 Purpose

The intent of this specification is to work in partnership with Blextric Motor suppliest supply quality motors that consistently perform with the highest efficiency, improved lift cycle and lowest maintenance cost. The motors shall be built to provide: (1) as operating (2) reliability in an application which may be corroize and over, (3) minimum maintenance requirements due to the design and quality of materials and workmanship (4) lowest noise figure.

2.0 Scope

This specification covers three-phase, TEFC (Totally Enclosed Fan Cooled), 1 to 70 horsepower squirrel-cage induction motors in integral horsepower frames 143T an

iorger.

3.1 Applicable Codes and Regulations

General Purpose NBMA Premium Efficiency motors shall meet the demanding application requirements. The standard TEFC moders shall be cast in nonconstruction with melonisories rated IPSS to handle both wet and dirty environments. Motor paint plan shall access 200ks corrosion estimates per ASTM 8117 standard for sist stays yet stal. All motors shall meet our exceed NBMA 917 shalls 21.2 livers to of fictionary, All motor designs shall be shall be also shall be shall be shall be shall be shall be shall be carried by 10 cm CSA Labs (CSA 250). Motors shall meet NBMA Desirn '8'.

3.2 Enclosure

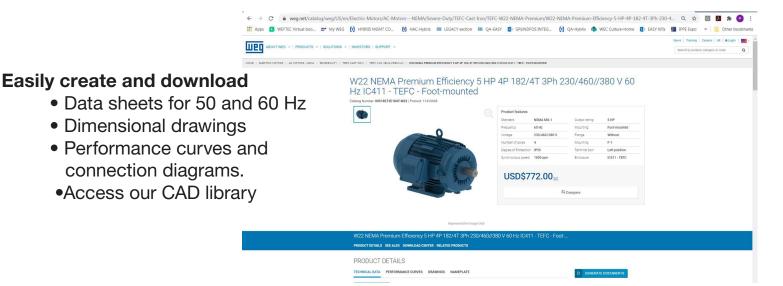
3.2.1 Motor endosure shall be TEFC with IPSS degree of protection, NEMA 1 frame NEMA F1 assembly for horizontal applications and designed for the environment prescribed according to the application specifications. This specification concerns the manufacture of standard NEMA Premium Efficiency General Purpose motors. Where special enclosures or assembly are required, it will be specified on the motor data sheet.

3.2.2 Frames, Endshields and Conduit boxes shall be high strength cast iron construction.

3.2.3 Lifting eyebolts must be furnished for frames 182T and above for handling safet and convenience. Eyebolts shall be forged steel, shouldered, and threaded into blin the shall be forged steel, shouldered, and threaded into blin the shall be forged.

3.2.4 Motor fans must be designed for bi-directional operation and shall be spark-proo abrasion and corrosive resistant and made of durable plastic or metal. Frames greate the DEF shall have metal for Fore must be keyed or placed to the shaft on all frames.

WEG Easy Online Catalog - www.weg.net





Please contact your authorized distributor:

US.WasteWater.Brochure.9.203