

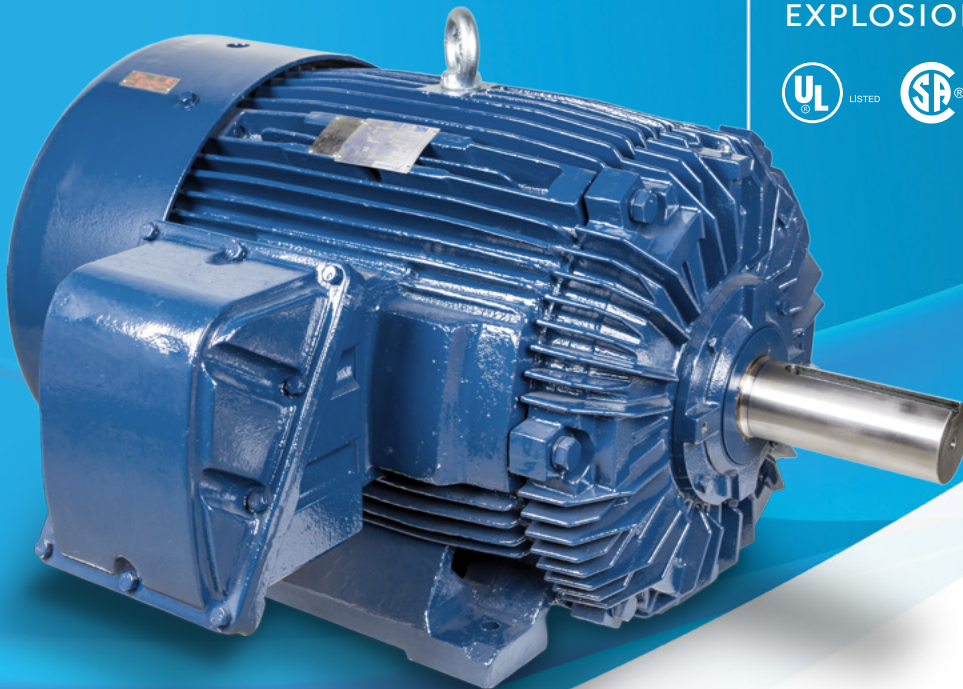
MOTOR PRODUCTS

NOW UP TO III   
**300 HP**



# OPTIM<sup>®</sup> TEXP

NEMA PREMIUM EFFICIENCY  
EXPLOSION PROOF MOTORS



**TECO**   **Westinghouse**

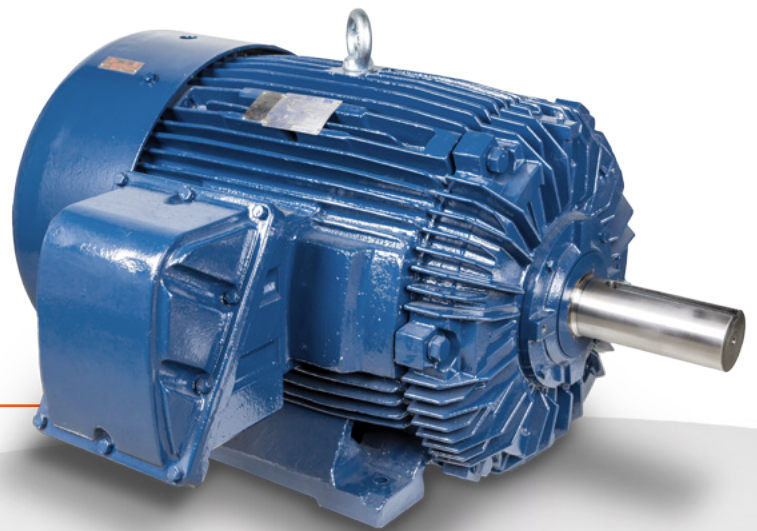
MOTORS (CANADA) INC.

# OPTIM<sup>®</sup> TEXP

## NEMA PREMIUM EFFICIENCY EXPLOSION PROOF

The TECO-Westinghouse OPTIM<sup>®</sup> TEXP motors are designed and manufactured to operate many types of machinery (including all dust producing machinery) in diverse industrial environments. Typical uses include areas in which flammable gases, vapors or dust may be present in the air in quantities sufficient to produce explosive or ignitable mixtures.

Couple your OPTIM<sup>®</sup> TEXP with our TECO VFD's for energy savings & speed control. TECO-Westinghouse offers a variety of heavy industrial drive solutions. Please contact us for more information.



TECO-WESTINGHOUSE CSA / UL CERTIFICATIONS

| CLASS | DIV / ZONE | GROUP   | GROUP DESCRIPTION   |
|-------|------------|---------|---------------------|
| I     | 1/1        | C / IIB | ACETYLENE           |
| I     | 1/1        | D / IIA | PROPANE             |
| I     | 1          | E       | METALS - DIV 1 ONLY |
| II    | 1          | F       | COAL                |
| II    | 1          | G       | GRAIN               |

## PRODUCT FEATURES

- Available from 1-300HP; 2, 4, 6 & 8 Pole
- AC, Three Phase, 60 Hz, 230/460V (Usable on 208V); 460 or 575V. Ratings Over 125HP Are Single Voltage Rated 460V or 575V
- Rugged Cast-Iron Construction on Frame, End Brackets and Conduit Box
- \*Meets NEMA MG1 Part 31.4.4.2
- Oversized, Double Shielded Vacuum Degassed Ball Bearings Frames 140T-280T and Open Bearings with Regreaseable Provisions Frames 280TS, 320T and Larger
- Polyrex<sup>®</sup> EM Grease in All Regreaseable Bearings, Multemp SRL Grease in Sealed Bearings
- CSA/UL Certified for Class I, Division 1, Group \*\*C & D and Class I, Zone 1 Groups \*\*IIB & IIA; and Class II, Division 1, Groups E, F & G
- \*HPE<sup>™</sup> High Pulse Endurance Spike Resistant Wire for Inverter Duty Applications
- \*CSA Inverter Duty Speed Range Includes 5:1 CT / 20:1 VT for 140-180T Frames; 10:1 CT / 20:1 VT for 210-440T Frames
- \*UL Inverter Duty Speed Range Includes 6:1 CT / 20:1 VT for 140-210T Frames; 4.6:1 CT / 20:1 VT for 250-320T Frames and 3.75:1 CT / 20:1 VT for 360-440T Frames
- KLIXON<sup>®</sup> 9700K Temperature Limiting Device
- Stainless Steel Breather/Drains with Bronze Filter
- Non-Sparking External Fan and Brass Flingers
- \* 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.
- \*\* Up to 256T

**WEST**

1-800-661-4023

**TECO**   **Westinghouse**  
MOTORS (CANADA) INC.

**EAST**

1-800-268-4770

[tecowestinghouse.ca](http://tecowestinghouse.ca)