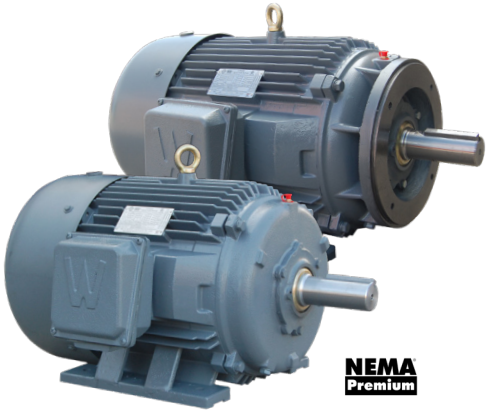
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General Purpose and Severe Duty Motors

- **Three-phase high performance motors**
- **High starting and breakdown torques**
- **NEMA Premium Efficiency**
- **1 - 200 hp, 230/460 Volts at 60 Hz**
- **200 - 600 hp, 460 Volts at 60 Hz (449T-586/7 Frame)**
- **3600, 1800, 1200, and 900 rpm**
- **1.25 (1 - 200 hp), 1.15 (250 - 500 hp) Service Factors**
- **Inverter Duty/Ready (see below)**



Construction

- Totally Enclosed Fan Cooled (TEFC) enclosure
- Rigid base or C-face with feet (TC)
- Inverter duty; 10:1 CT / 20:1 VT at 1.0 SF (1 - 400 hp)
- Inverter ready; 3:1 CT / 6:1 VT at 1.0 SF (450 - 600 hp)
- Oil seal on drive-end and opposite drive-end
- Vacuum Pressure Impregnation (VPI) system
- Metal clad V-ring seals
- Heavy gauge rolled steel fan cover
- Spike resistant inverter-grade magnet wire, per NEMA MG1 Part 31

Protection & Environmental

- IP55 protection
- Class F insulation
- CSA Certified; Class 1, DIV. 2, Grp. A, B, C, D (1 - 400 hp)
- DOE/EEV CC006A

Options (May not be available for all models)

- Ball bearing on DE for direct coupled applications
- Roller bearing on DE for belted applications
- Insulated ODE bearing
- F1/F2 convertible
- Double drilled feet (4, 6 or 12)

Applications

An ideal solution for many industrial applications., these reliable, high-performance motors are well-equipped to power anything from pumps, fans, compressors, and blowers to crushing, hammer mills, and aggregate processing equipment.

Model Number Selection‡

Example: **PEWWE250-12-449T**

hp		rpm	Frame Size		Frame Suffix
1	60	3600	143	365	T
1.5	75	1800	145	404	TC
2	100	1200	182	405	TS
3	125	900	184	444	TSC
5	150		213	445	
7.5	200		215	445/7	
10	250		254	449	
15	300		256	L449	
20	350		284	505	
25	400		286	586/7	
30	450		324		
40	500		326		
50	600		364		

‡ Not all combinations indicated by the table(s) may be possible.

Helwig Carbon® Bearing Protectors

Divert current from the motor shaft and include an integral bracket for easy mounting. See catalog for details.



WORLDWIDE ELECTRIC CORPORATION

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