

ENGINEERED PRODUCTS

TECO-Westinghouse Motor Company is a leading manufacturer of electric motors, with a full line of induction, synchronous, and DC motors and generators available from 1/4 HP to 100,000 HP. We also supply motor controls and provide engineering services, genuine Westinghouse renewal parts, and large motor repairs.



WORLD SERIES

- 250 HP to 30,000 HP
- Thermalastic® Epoxy Insulation System
- Rugged Thru-Bolt Construction and End Rings
- Copper or Copper Alloy Rotor Bars
- Anti-Friction or Spherically-Seated, Self-Aligning, Split-Sleeve Bearings
- High Efficiency Designs Reduce Life-Cycle Costs
- API 541 Design Available (Rock541)



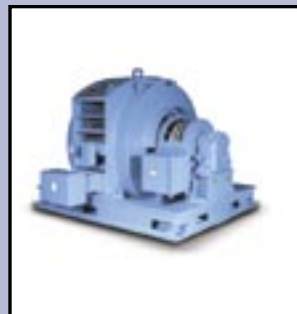
SYNCHRONOUS MOTOR

- 1000 HP to 100,000 HP
- Anti-Friction or Spherically-Seated, Self-Aligning, Split-Sleeve Bearings
- Brush or Brushless Excitation
- Thermalastic® Epoxy Insulation System
- High-Speed and Slow-Speed Designs Available
- VFD Applications Available
- Special Mill and Marine Duty Designs Available



DC MOTOR

- Ratings up to 35,000 HP for the Metals, Mining, Marine, and Special Application Markets
- Special Insulation Coatings to Maintain High Insulation Resistance over Life of the Motor
- "Balanced Spring" Commutator to Assure Long Brush Life and Minimal Maintenance
- Rugged Armature Featuring Keyless Fits
- Rugged Spiders Smoothly Transmit Torque
- Heavy-Duty Stators Offer Proven, Long Lasting Reliability
- Spherically-Seated, Self-Aligning, Split-Sleeve Bearings



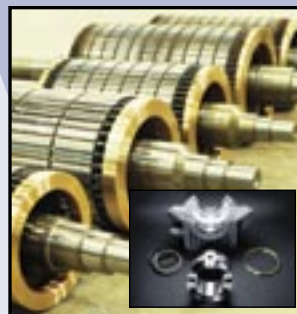
WOUND ROTOR

- Available from 25 HP to 20,000 HP
- Continuously Rated Slip Rings and Brushgear
- Heavy-Duty Rotor Construction for Dependable Service
- Thermalastic® Epoxy Insulation System
- Advanced Bearing System for Reliable Performance
- Rugged Frame Construction for Strength and Reliability
- Brush Lifting and Short Circuiting Devices Available
- Secondary Control Also Available



LARGE MOTOR SERVICE


- Repair and Refurbish all Brands of Large Motors
- Engineering Studies and Evaluations
- Expert Field Service and Technical Assistance
- Redesign and Upgrade of Westinghouse and TWMC Motors
- Repairs Using OEM Materials and Process for Longer Life
- Engineered Solutions to Large Motor Problems
- High Voltage (to 13.8KV) Repairs with Global VPI
- Dual Frequency Load Testing
- Service Division Hotline
888-754-5006



RENEWAL PARTS


- Renewal Parts for Over 400,000 Westinghouse and TECO-Westinghouse Form Wound – High Voltage Motors Built in Pittsburgh, PA, Buffalo, NY, and Round Rock, TX.
- Engineered Replacement Components
 - AC Rotors and Stators
 - DC Armatures, Field Frames, and Commutators
 - Field Pole Assemblies
 - Replacement and Improved Design Cooling Packages (WP11, TEWAC, and TEAAC)

STOCK MOTOR PRODUCTS




SINGLE PHASE (TEFC)

- 1/3 HP to 10 HP
- 1800 RPM
- 115/230V through 2 HP, 280V for 3 HP and above
- 1.15 Service Factor, Continuous Duty
- Manual Reset Overload Protection
- Extra High Torque For Tough Applications (e.g. Farm Duty)



MAX-E2

- 1 HP to 300 HP, NEMA Premium Efficiency
- 460V only
- HPE™ - High Pulse Endurance Wire (Inverter Duty)
- All Cast Iron Construction and Epoxy Paint
- Precision Balanced to a Peak Velocity Not Exceeding 0.08 in./sec.
- CSA Certified for Class I, Division II, Groups B, C, and D, with Temperature Code T3C
- CSA and UL Approved for Inverter Duty Per NEMA MG-1, Part 31




ROLLED STEEL ODP

- 1/2 HP to 40 HP
- 230/460V; Useable on 200V and 208V
- HPE™ - High Pulse Endurance Wire (Inverter Duty)
- 1.15 Service Factor, Continuous Duty
- Multiple Mountings for 56T and 140T; Dual Mountings for 180T~280T Frames
- F1 – F2 Interchangeable for 180T~280T Frames
- 90 Degree Rotatable, Oversized, and Gasketed Conduit Box



MAX-E2/841

- 1 HP to 300 HP, NEMA Premium Efficiency
- INPRO™ Seals
- HPE™ - High Pulse Endurance Wire (Inverter Duty)
- All Cast Iron Construction and Epoxy Paint
- Precision Balanced to a Peak Velocity Not Exceeding 0.08 in./sec.
- CSA Certified for Class I, Division II, Groups B, C, and D, with Temperature Code T3C
- Meets IEEE/841 Standards



HIGH EFFICIENCY ODP

- 1 HP to 400 HP
- 230/460V through 125 HP, 460V only for 150 HP and above
- Full Voltage or WYE-Delta Starting
- 1.15 Service Factor, Continuous Rated
- HPE™ - High Pulse Endurance Wire (Inverter Duty)
- F1 – F2 Interchangeable
- Cast Iron Frames and End Brackets



MAX-HT

- 200 HP to 600 HP
- Suitable for Across-the-Line Starting and WYE-Delta Starting
- NEMA Design C (Locked Rotor Torque = 200% FLT; Breakdown Torque = 250% FLT)
- Thermal Protection (Thermistors, One Per Phase)
- IP 55 Enclosure
- High Strength Steel Shaft, AISI 4140 Material
- Suitable for Vertical Mounting on Vertical Impact Crushers




MAX-SE

- 1 HP to 200 HP
- 230/460V through 125 HP, 460V only for 150 HP and above
- Nameplated for 50 Hz, Operation @ 190/380V
- Dynamically Balanced, Die-Cast, Aluminum Rotor Reduces Overall System Vibration
- External Fan is Corrosion Resistant and Non-Sparking (≤ 100 HP)
- Footed C-Face and Round Body C-Face stocked up to 100 HP
- Drip Covers Available for Vertical Shaft Down Mounting




EXPLOSION PROOF

- 1 HP to 150 HP
- Class I, Division I, Group D; Class II, Division I, Groups E, F, and G
- HPE™ - High Pulse Endurance Wire (Inverter Duty)
- Non-Sparking, Brass Flingers on Both Ends
- Oversized Cast Iron Conduit Box
- Stainless Steel Breather Drains with Bronze Filters
- KLIXON® Temperature Limiting Device
- Footed C-Face and Round Body C-Face available 1 HP to 30 HP




MAX-E1

- 3/4 HP to 800 HP
- NEMA Premium Efficiency ≤ 300 HP
- HPE™ - High Pulse Endurance Wire (Inverter Duty)
- CSA and UL Approved for Inverter Duty Per NEMA MG-1, Part 31
- Dynamically Balanced Pressure Die-Cast Aluminum Rotor
- Iron Oxide Proof Base, Polyurethane Finish
- CSA Certified for Class I, Division II, Groups B, C, and D, with Temperature Code T3C




GLOBAL SERIES MEDIUM VOLTAGE

- 100 HP to 1,000 HP
- TEFC and WPI Enclosures
- 2300/4160V
- Form Wound, Class F Insulation System with VPI
- 120 Volt Space Heater and 100 OHM Winding RTD's, 2 per Phase
- Available in NEMA Premium Efficiency TEFC Design (AEHG)



MAX-E1/31

- 1 HP to 250 HP
- HPE™ - High Pulse Endurance Wire (Inverter Duty)
- Meets NEMA MG-1, Part 31 and CSA, UL Approved
- 10:1 Constant Torque, 20:1 Variable Torque
- Insulated Bearings for 32ATS Frame and Larger
- Built – In Thermostats, One Per Phase
- Constant Speed Blowers and Encoders are Also Available



DEFINITE PURPOSE MOTORS

- JM/JP Closed Coupled Pump Motors
 - 1 HP to 40 HP, Both TEFC & ODP
- Washdown Duty Motors (TEFC)
 - 1/2 HP to 10 HP
- Oil Well Pump Motors (ODP)
 - 5 HP to 125 HP, 230/460/796V
- Metric Frame Motors
 - 0.75 kw to 75 kw, 230/460V, 60 Hz; 190/380V, 50 Hz

TECO  **Westinghouse**

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