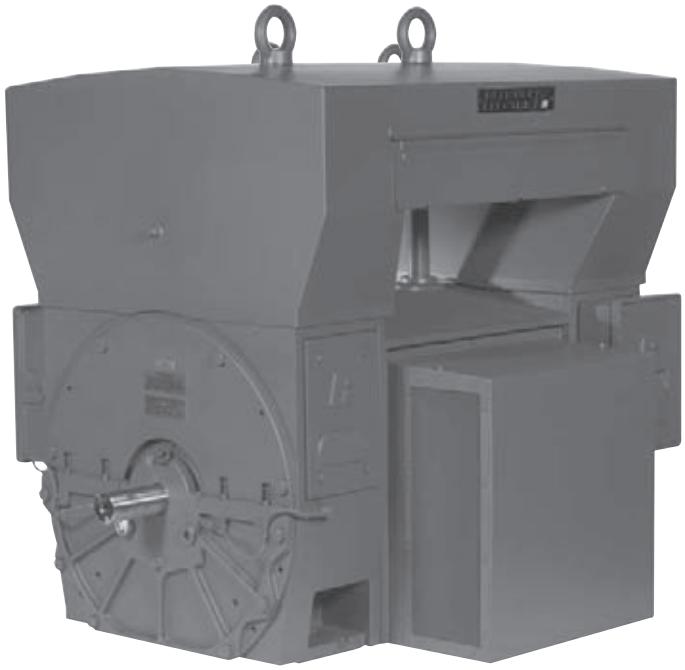
DATA SHEET

AERO™

LARGE AC MOTORS

AERO Duty Master and Custom Engineered Motors, 500 HP to 5000 HP Open Designs



Supplying motors to industry for over 100 years, Reliance Electric™ continues its world-class motor development with the AERO™ platform of Open motors.

Available in O5808, O5810 and O5812, O6811 and O6813 frames, the AERO Series is designed to be readily configured to fulfill the needs of the modern market – flexibility of enclosure, competitive costs and deliveries, and industry leading performance characteristics.

- ✔ Aggregate/Cement
- Food
- ✔ Mining
- ✔ Forest/Paper
- ✔ Petro/Chem
- Unit/Baggage Handling
- ✔ HVAC/Industrial Air Handling
- ✔ Environmental/Fluid Power
- Automotive
- ✔ Metals

The AERO product is designed such that it can be configured to comply with the following Standards:

- NEMA (as a minimum)
- IEEE, various standards for testing, performance and material qualification
- API Standard 541 and 547 with data sheet defined modifications and accessories
- Customer specifications

Standard Features of the AERO Series include:

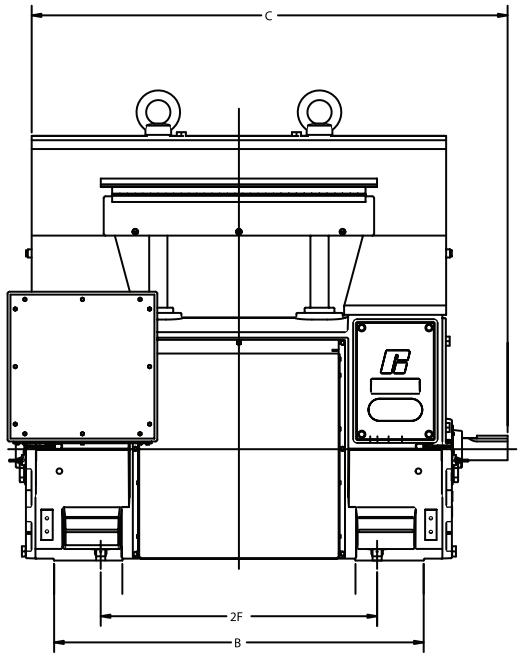
- Up to 5000 HP
- NEMA ODP, WP-I, WP-II, TEAAC and TEWAC enclosures
- Rigid cast iron frames and end brackets
- Dowel pin and vertical jackscrew holes
- Spot faced foot holes
- Anti-friction Bearings (Sleeve as required by design)
- Stainless steel ground pads cast integral to the frame
- Bracket machined for vibration block mounting
- Multiple conduit box mounting positions
- Auxiliary conduit box is divided to separate power and monitoring accessories
- Cast in handle for conduit boxes
- C5 grade lamination steel with high temperature coating
- Cast aluminum (fabricated bar rotor-as required by design)
- Filter replacement while motor is running
- 80% RVS starting capability
- High strength, corrosion resistant fasteners
- Crowned hood (WP II, TEWAC and TEAAC)
- 460V-6600V

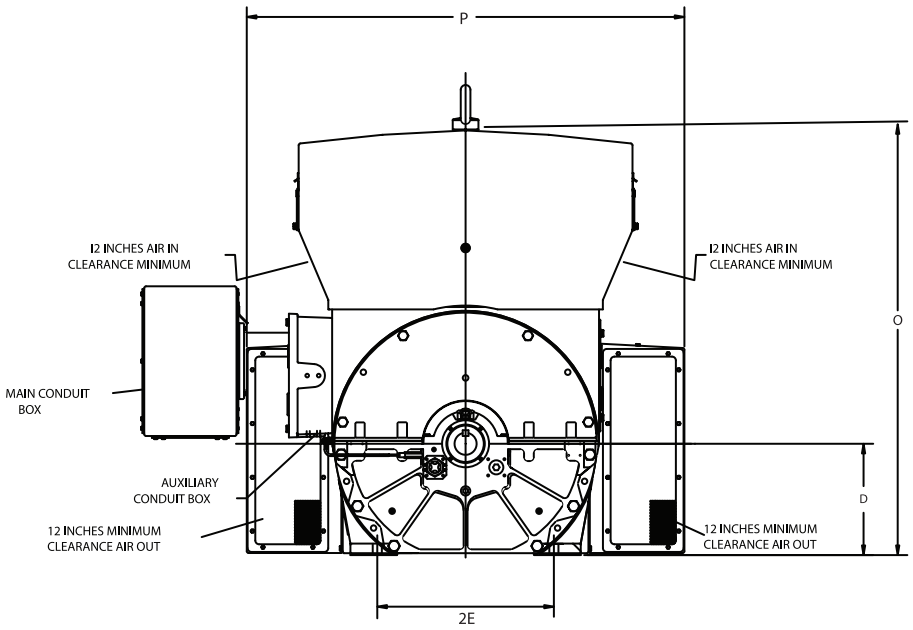
Options:

- Copper bar rotor
- AISI 1040, 4140/4150 and forged shafts
- SolidSeal (2 VPI sealed)
- Enduraseal (2 VPI sealed/water tested)
- Winding and bearing temperature detectors
- Space heaters
- Taconite, coast-to-rest and Inpro® brand seals
- Bearing oil sump heaters
- API vibration levels
- Modifiable to comply with API standard 541 and 547
- 300 series stainless steel fasteners
- Vibration sensing devices
- Shaft probes and proximeters
- Seismic pick-up on brackets
- Sleeve bearings
- Flood lubrication and constant level oilers are easily field modifiable
- Others as specified

RELIANCE

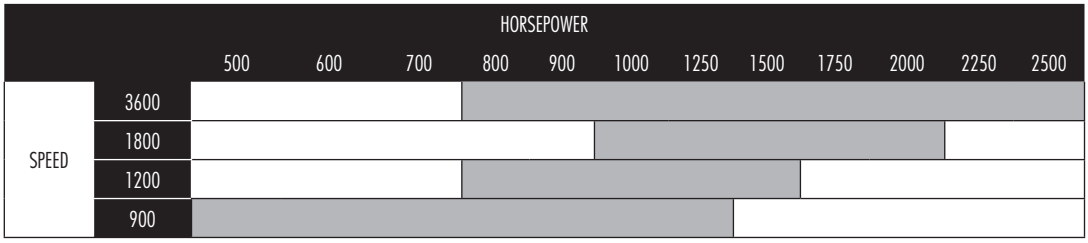
WP-II - Typical Dimensional Reference



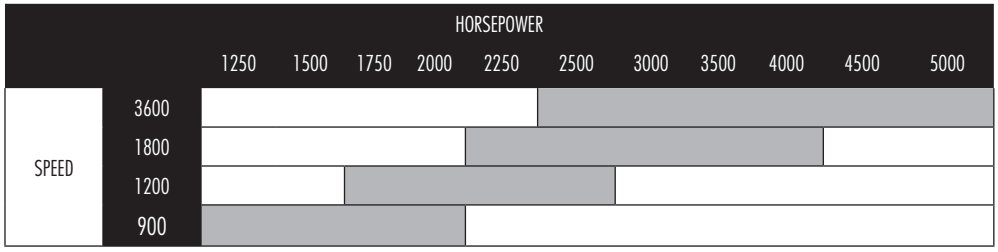


Frame	B	C	D	2E	2F	O	P	Max Weight
O5808	40.1	58.5	14.5	23.0	28.0	55.5	57.8	6700
O5810	48.1	66.5	14.5	23.0	36.0	55.5	57.8	7700
O5812	57.1	75.5	14.5	23.0	45.0	55.5	57.8	9000
O6811	59.5	75.0	17.0	27.0	50.0	65.5	62.3	10200
O6813	72.5	88.0	17.0	27.0	63.0	65.5	62.3	14000

Typical O5800 WP-II Rating Chart



Typical O6800 WP-II Rating Chart



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RAPS-1301-3 6/07-00M-K