

Wound rotor motors

Reuland wound rotor motors provide adjustable starting current, starting torque and speed. So they're ideal for applications like bending rolls, conveyors, printing presses, pulpers, pulverizers, plunger and centrifugal pumps, reciprocating compressors, stokers, and hoists, bridge and trolley drives on cranes.

Typical speed-torque curve.

The series of speed-torque curves show the typical performance characteristics of a wound rotor motor with the proper resistance in the rotor circuit. Using zero resistance as a starting point, the adding of resistance produces a maximum torque and slow speed. Further increasing resistance, as in "B" and "A" progressively reduces torque from maximum. Note that maximum resistance produces minimum torque.

Standard Configurations.

Hertz: 60-50-40-25.

Speed: 4-12 pole.

Horsepower: fractional through 250.

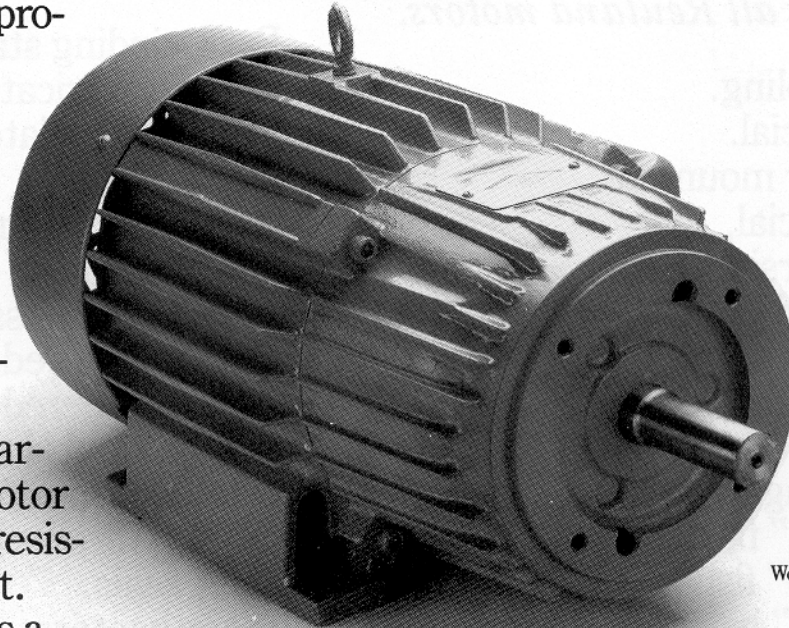
Frame size: 56-449.

Voltages: through 600 VAC.

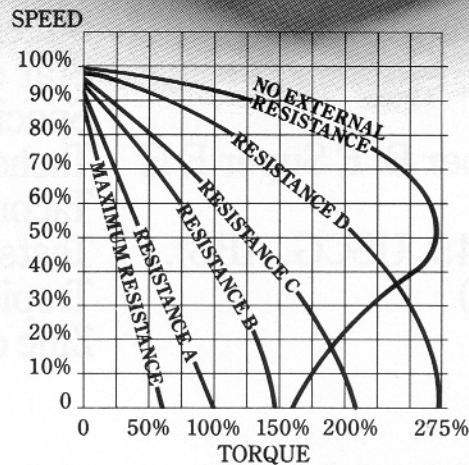
Insulation: minimum of Class F.

Enclosures: TEFC, TENV, ODP, auxiliary cooled.

Duty: continuous, intermittent (15, 30, 60, and 120 minute ratings) and special.



Wound rotor motor.



Standard modifications

Available on all Reuland motors.

Auxiliary cooling.
Balance, special.
Brake, motor mounted.
Bearing: special,
oversized.
Breathers and drains.
Cadmium plating.
Chemical casting treatments.
Conduit box, oversize.
Export packaging.
End bells: "C" face.
"D" flange.
"P" base.
"DIN" flange (metric).
Helicoil inserts.
High altitude.
Insulation Class, Super B, F, Super F, H
and Super H.
Marine duty (IEEE-45, USCG, ABS).
Metric flanges (DIN).
Paint, special.

Part winding starting.
Rotors, fabricated bar.
Rotors, ventilated.
Safety wire.
Screened openings.
Shafts: Spline.
Stainless steel.
Squared.
Tapered.
Double extended.
Step reduction.
Various bore sizes.

Shaft seals.
Space heaters.
Speed switches (anti-plugging).
Star delta starting.
Special ambient.
Tachometers.
Taconite protection.
Tests, special.
Tropical protection.
Zinc chromate primer.

REULAND ELECTRIC
 THE POWER DRIVE PEOPLE

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