

Benefits of Copper Bar Rotors

1 Lower Rotor Temperatures

Void-free copper bars reduce rotor heating and thus rotor distortion when compared to standard aluminum rotors. Distortion causes imbalance and, eventually, vibration problems. Thus, the motor will have shorter bearing life. Our tests show that the copper bar rotor temperatures are 30° to 80° lower than comparable aluminum rotors.



2 Higher Motor Efficiency

Copper bar rotors have less electrical losses when compared to aluminum rotors which results in higher efficiency.

- Available on all 5000 and 5800 frame motors.

3 More Efficient Cooling

Copper bar rotors have uni-directional fans which create a more even and consistent cooling path for the motor. A cooler motor means longer life.

- Standard on all RAM-Built Motors in our 5808 and 5810 frames, both low voltage (230-575V) 800-1300HP and medium voltage (2300-6900V) 250-2000HP.
- Optional on all 5008 and 5010 frames in both low voltage and medium voltage.

Copper Bar Rotor Motors
manufactured by **RAM Industries**

800-999-8183