

# Motors

## Benefits of

## Copper Bar Rotors

-standard on certain size motors-

### 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.



### Higher Motor Efficiency

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

### Vacuum Pressure Impregnation

Vacuum pressure impregnation (VPI) on windings is used on motors:

- 2300 thru 6600 VAC  
200HP - 3000HP
- 208 thru 600 VAC  
800HP and above

### Complete Motor Testing

Hi Pot  
Surge  
Vibration  
No Load  
Full Load  
Locked Rotor  
w/Reduced Voltage Test



RAM is a highly specialized motor manufacturer, dedicated to designing and building high-quality motors for niche markets and a targeted group of OEM customers.

Our team of experienced and highly motivated employees take pride in building motors. Their skill, work ethic, and knowledge ensures uncompromising quality products our customers expect.

### Low Voltage

- ODP, TEWAC, WPI, WPII
- Energy Efficient
- 208-230/460V, 575V

### Medium Voltage

- ODP, TEWAC, WPI, WPII
- Energy Efficient
- 2300V, 4000V, 4160V, 6600V

### Semi Hermetic

- 15.56" - 27.0" diameter
- 460V - 6600V

