



HTA SERIES

BMR
U S A



**HIGH AMBIENT TEMPERATURE AND
HIGH ALTITUDE VERTICAL HOLLOW SHAFT SERIES**

INTRODUCING BMR USA NEW 50 DEGREE AMBIENT "HTA" (HIGH TEMPERATURE AND HIGH ALTITUDE) SERIES

For the year 2016 BMR USA now has a 50 degree ambient rated Premium Efficiency VHS motor line designed for typical VHS applications and more importantly for conditions that require a more robust motor design to ensure long lasting performance. With the constant increase in ambient temperatures, a higher need for motor compatibility with VFD's, and with several motors being applied in high altitudes the BMR "HTA" series is the ideal motor for your needs.

HORSEPOWER RANGES: 10HP-1000HP

SPEEDS: 1800, 1200, 900 720, 600, 514 AVAILABLE

DESIGN VOLTAGES: THREE PHASE 208, 230/460V/2300V/4160V AT 60 HTZ

THREE PHASE 190V/380V/400V/415V/600V AT 50 HTZ

ENCLOSURES: WEATHER PROTECTED 1 (WPI), TEFC

EFFICIENCY LEVELS: PREMIUM

APPLICATIONS:

- Waste Water Plants
- Municipalities
- Mining
- Industrial Plants
- Agriculture
- High Altitudes
- Areas with high temperatures

MECHANICAL FEATURES:

- Proven Frame Design
- Cast Iron Construction
- Hi-Thrust Design
- Precision Balancing
- Ball Type Non Reverse Ratchet
- Coupling included in Price for all HP's
- Oversized Angular Contact Bearing and Guide Bearing
- Large Oil Reservoir

ELECTRICAL FEATURES:

- Premium Efficiency
- Comprised of Class H materials
- 50 Degree Ambient Rated
- Class B Temp Rise at 1.0 S.F (Sine Power)
- Inverter Rated 10:1 (Variable Torque)
- Double VPI Impregnation
- Premium Grade Lamination Steel
- 120V Space Heaters

STANDARD CONVENIENCE FEATURES:

- Handle Grip Oil Plug
- Twist Spigot Oil Drain
- P Base Bolts Easily without removing Rodent Screens
- Easy to Read Labels and Connection Data

INCLUDED PREMIUM FEATURES FOR 400TP FRAMES AND ABOVE

- Ceramic Coated Upper Bearing Mount
- Guide Bearing Protection Ring
- Double Stack Angular Contact Bearings for 175% EHT

INCLUDED PREMIUM FEATURES FOR 5800P FRAMES AND ABOVE

- Ceramic Coated Upper Bearing Mount
- Guide Bearing Protection Ring
- Winding RTD's 100ohm Platinum
- Air Ducts in the Stator and Rotor for superior cooling
- Double Stack Angular Contact Bearings for 175% EHT
- Spherical Roller Bearing with copper cooling tubes for 300% EHT



*Please consult with BMR Engineering support for all applications having ambient temperatures exceeding 50 degree C and elevations over 5000 feet in elevation.