FIRE PUMP

BMR USA

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LISTED
FILE # EX28090

HTA INVERTER DUTY FIRE PUMP SERIES

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

For the year 2021 BMR USA now has a 50 degree ambient rated Premium Effciency VHS motor line approved for the fire pump industry. Our NFPA 20 motor line protects life and property by providing requirements for the selection and installation of pumps to ensure that systems will work as intended to deliver adequate and reliable water supplies in a fire emergency.

HORSEPOWER RANGES: 15HP-250HP
SPEEDS: 1800
DESIGN VOLTAGES: THREE PHASE 230/460V 60 HTZ THREE PHASE
ENCLOSURES: WEATHER PROTECTED 1 (WPI)
EFFICIENCY LEVELS: PREMIUM

APPLICATIONS:
- High Altitudes
- Areas with high temperatures
- FIRE PUMP Applications

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.