



**TEFC "MULTI-DUTY"
HTA SERIES**

TEFC "MULTI-DUTY" HTA SERIES

BMR USA has now developed an all Class H TEFC vertical hollow shaft that is suitable for nearly all applications. The Multi-Duty line is ideal for nearly every application but it serves most advantages in replacing the WPI design within the agriculture irrigation market. The TEFC design has THREE major advantages. First, air is not drawn into the motor for cooling and therefore the windings stay clean and dry. Two, the windings are protected against direct entry of wind driven rain, directed spray, and splash from the ground. And three, insects and other vermin cannot enter the motor.

HORSEPOWER RANGES: 60HP-500HP
SPEEDS: 1800, 1200, 900, 720, 600, 514
DESIGN VOLTAGES: THREE PHASE 460, 2300, 4160 AT 60HZ
ENCLOSURES: TEFC
EFFICIENCY LEVELS: PREMIUM
SHAFT TYPES: HOLLOW AND SOLID

PREMIUM PRODUCT FEATURES AS STANDARD

CERAMIC COATED THRUST BEARING MOUNT

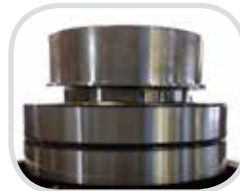
Insulates electric current to prevent fluting in thrust bearings

DOUBLE STACK ANGULAR CONTACT BEARINGS (100HP -500HP)

BMR USA double stacks oversized 40 degree angular contact bearings to allow the motor to run on 175% EHT applications

GUIDE BEARING PROTECTION RINGS

Lower brush grounding rings are installed to conduct shaft currents to the motors ground and doesn't allow the electrical current from entering the lower bearing causing premature bearing failure



OTHER PREMIUM FEATURES INCLUDE:

- o All Class H insulation
- o 120V Space heaters
- o 50 degree ambient rated
- o Deep set oil bath lubrication system
- o Durable lifting arms
- o U.L approved insulation system
- o Double VPI treatment with non hydroscopic epoxy varnish
- o All Stainless Steel Nameplate with full data
- o Twist Spigot Oil Drain
- o Oversized one piece sight glass
- o 12 Ball "Ball Type" non reverse ratchet
- o Handle Grip Oil fill plug
- o Deep grooved cooling fin design
- o Steel canopy cap drip cover
- o Quad Cooling fin design

