

**TECHNICAL DATA**  
**MODEL KZN37RF**  
**HI-HARD SEVERE DUTY SLURRY PUMP – CHROME IRON / HI HARD VOLUTE**  
**For High Temperature Service**

**GENERAL DATA**

|                                      |  |
|--------------------------------------|--|
| MAX. FLOW: GPM (L/min)               | 475 GPM (1800 L/min)   |
| MAX. HEAD: ft (m)                    | 42' (13 m)   |
| MAX. SUBMERSION DEPTH: ft (m)        | 65' (20m) or limited to length of power cord,<br>Consult factory for deeper depths |
| PUMP TYPE                            | SLURRY HANDLING, HIGH TEMPERATURE  |
| SOLID SIZE: in (mm)                  | 0.875" (22.2 mm)   |
| STRAINER OPENING: in (mm)            | 1.375" (34.9 mm)   |
| IMPELLER DIAMETER: in (mm)           | 7.68" (195 mm)   |
| DISCHARGE SIZE                       | 3" NPT-MALE (4" NPT-MALE OPTIONAL)   |
| PUMP WEIGHT, without cable: lbs (kg) | 324 lbs (147.3 kg)   |
| SHIPPING WEIGHT: lbs (kg)            | 375 lbs. (170.5 kg)  |

**CONSTRUCTION/MATERIAL DATA**

|                                    |   |
|------------------------------------|---|
| DUAL MECHANICAL SEALS              | SILICON CARBIDE/SILICON CARBIDE - VITON®<br>FITTED                |
| MOTOR HOUSING                      | CAST IRON   |
| PUMP VOLUTE                        | DUCTILE IRON WITH INTERIOR HARDNESS<br>COATING TO 1180 DPH(Rc 71) |
| WEAR PLATE                         | HI-CHROME   |
| AGITATOR                           | HI-CHROME   |
| IMPELLER                           | MULTI VANE, HI-CHROME   |
| STRAINER/STAND                     | STEEL   |
| LIP SEALS & O-RINGS                | VITON   |
| ROTOR SHAFT                        | 410 SS  |
| EXTERNAL HARDWARE                  | 304 SS  |
| QTY. OIL IN MOTOR STATOR           | OIL-FILLED W/ SHELL FM 32, NSF APPROVED                           |
| QTY. OIL IN SEAL CHAMBER           | 49 U.S. FL. OZ. (1450 C.C.), SHELL FM 32, NSF<br>APPROVED         |
| BALL BEARING: OIL LUBRICATED UPPER | 6306  |
| BALL BEARING: OIL LUBRICATED LOWER | 6308  |

**ELECTRICAL /MOTOR DATA**

|                                 |  |      |      |             |
|---------------------------------|--|------|------|-------------|
| MOTOR: TYPE, RATING HP          | Submersible, Oil-Filled , Continuous Duty, 5                             |      |      |             |
| MOTOR RPM                       | 1750   |      |      |             |
| MOTOR INSULATION CLASS          | R, 428°F (220°C)   |      |      |             |
| MOTOR SERVICE FACTOR            | 1.15   |      |      |             |
| VOLTAGE - 3 PH, 60 Hz           | 208V option  | 230V | 460V | 575V option |
| CURRENT F.L.A.                  | 14.8   | 13.5 | 6.8  | 5.7         |
| LOCKED ROTOR CURRENT (LRA)      | 92.4   | 84   | 42   | 32          |
| MOTOR PROTECTION                | THERMAL SENSOR SWITCHES EMBEDDED IN<br>EACH WINDING PHASE, 300°F (149°C) |      |      |             |
| POWER CORD: GAGE; LENGTH        | A.W.G. 10/4; 50' (15.2m), HIGH TEMP. RATED CORD                          |      |      |             |
| SENSOR CABLE: GAGE; LENGTH      | A.W.G. 18/4; 50' (15.2m), HIGH TEMP. RATED CABLE                         |      |      |             |
| MAXIMUM LIQUID TEMPERATURE      | 200°F (93°C)   |      |      |             |
| SEAL LEAK DETECTOR <sup>1</sup> | Seal Minder®; MOISTURE SENSING PROBE                                     |      |      |             |

1- Requires a seal fail circuit in control panel for warning signal.

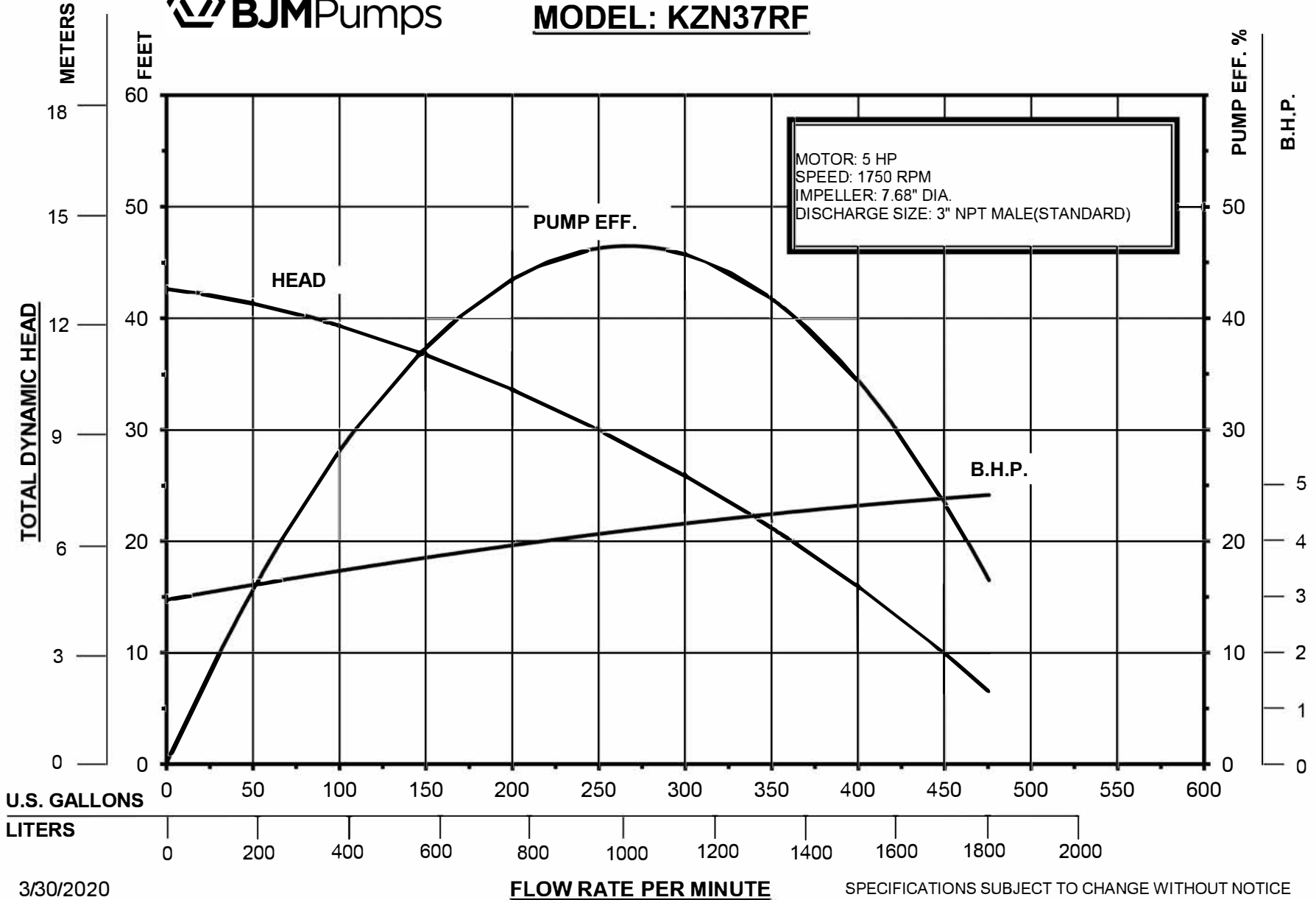
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**REFER TO REVERSE SIDE FOR PUMP PERFORMANCE CURVES SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE**

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3/30/2020

**FLOW RATE PER MINUTE**

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