

**TECHNICAL DATA**  
**MODEL KZN75F**  
**HEAVY DUTY SLURRY PUMP – CHROME IRON / HARDENED DUCTILE IRON**  
**For High Temperature Service**

**GENERAL DATA**

|                                      |  |
|--------------------------------------|--|
| MAX. FLOW: GPM (L/min)               | 655 GPM (2480 L/min)   |
| MAX. HEAD: ft (m)                    | 61' (18.6 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)                  | 1" (25.4 mm)   |
| STRAINER OPENING: in (mm)            | 1.375" (34.9 mm)   |
| IMPELLER DIAMETER: in (mm)           | 8.97" (228 mm)   |
| DISCHARGE SIZE                       | 4" NPT-MALE (3" NPT-MALE OPTIONAL)   |
| PUMP WEIGHT, without cable: lbs (kg) | 344 lbs (156.4 kg)   |
| SHIPPING WEIGHT: lbs (kg)            | 397 lbs. (180.5 kg)  |

**CONSTRUCTION/MATERIAL DATA**

|                                    |  |
|------------------------------------|--|
| DUAL MECHANICAL SEALS              | SILICON CARBIDE/SILICON CARBIDE - FKM            |
| MOTOR HOUSING                      | CAST IRON  |
| PUMP VOLUTE                        | DUCTILE IRON, HARDENED 300 BHN                   |
| WEAR PLATE                         | HI-CHROME  |
| AGITATOR                           | HI-CHROME  |
| IMPELLER                           | MULTI VANE, HI-CHROME                            |
| STRAINER/STAND                     | STEEL  |
| LIP SEALS & O-RINGS                | FKM  |
| ROTOR SHAFT                        | 410 SS   |
| EXTERNAL HARDWARE                  | 304 SS   |
| QTY. OIL IN MOTOR STATOR           | OIL-FILLED W/ FM 32, NSF APPROVED                |
| QTY. OIL IN SEAL CHAMBER           | 49 U.S. FL. OZ. (1450 C.C.), FM 32, NSF 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, 10                         |             |
| MOTOR RPM                       | 1750  |             |
| MOTOR INSULATION CLASS          | R, 428°F (220°C)  |             |
| MOTOR SERVICE FACTOR            | 1.15  |             |
| VOLTAGE - 3 PH, 60 Hz           | 460V  | 575V option |
| CURRENT F.L.A.                  | 13  | 10.5        |
| LOCKED ROTOR CURRENT (LRA)      | 77  | 55          |
| MOTOR PROTECTION                | THERMAL SENSOR SWITCHES EMBEDDED IN 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.

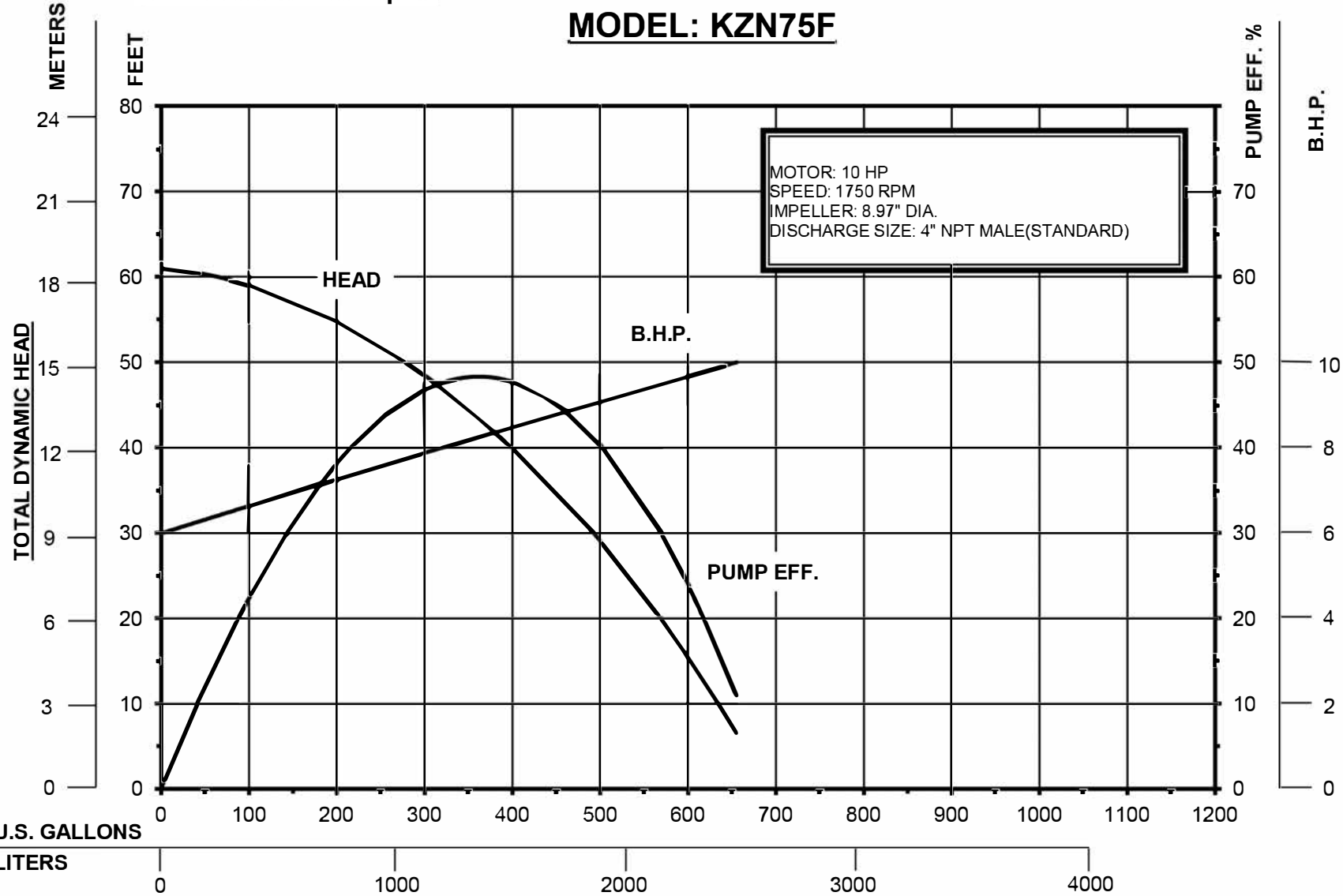
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REFER TO REVERSE SIDE FOR PUMP PERFORMANCE CURVES  
 SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE

### MODEL: KZN75F



MOTOR: 10 HP  
 SPEED: 1750 RPM  
 IMPELLER: 8.97" DIA.  
 DISCHARGE SIZE: 4" NPT MALE(STANDARD)

12/12/2007

FLOW RATE PER MINUTE

SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE