

TECHNICAL DATA
MODEL KZN55CHF
HEAVY DUTY SLURRY PUMP – CHROME IRON / HARDENED DUCTILE IRON
For High Temperature Service

GENERAL DATA

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|--------------------------------------|--|
| MAX. FLOW: GPM (L/min) | 449 GPM (1699 L/min) |
| MAX. HEAD: ft (m) | 69' (21 m) |
| MAX. SUBMERSION DEPTH: ft (m) | 65' (20m) or limited to length of power cord, 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) | 10.82" (275 mm) |
| DISCHARGE SIZE | 3" NPT-MALE |
| PUMP WEIGHT, without cable: lbs (kg) | 367 lbs (166.8 kg) |
| SHIPPING WEIGHT: lbs (kg) | 420 lbs. (191 kg) |

CONSTRUCTION/MATERIAL DATA

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|------------------------------------|---|
| DUAL MECHANICAL SEALS | SILICON CARBIDE/SILICON CARBIDE - VITON® FITTED |
| 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 | 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 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, 7.5 | | | |
| 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. | 21.4 | 19.5 | 9.5 | 7.8 |
| LOCKED ROTOR CURRENT (LRA) | 143 | 130 | 65 | 48 |
| 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 ¹ | Seal Minder®; MOISTURE SENSING PROBE | | | |

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

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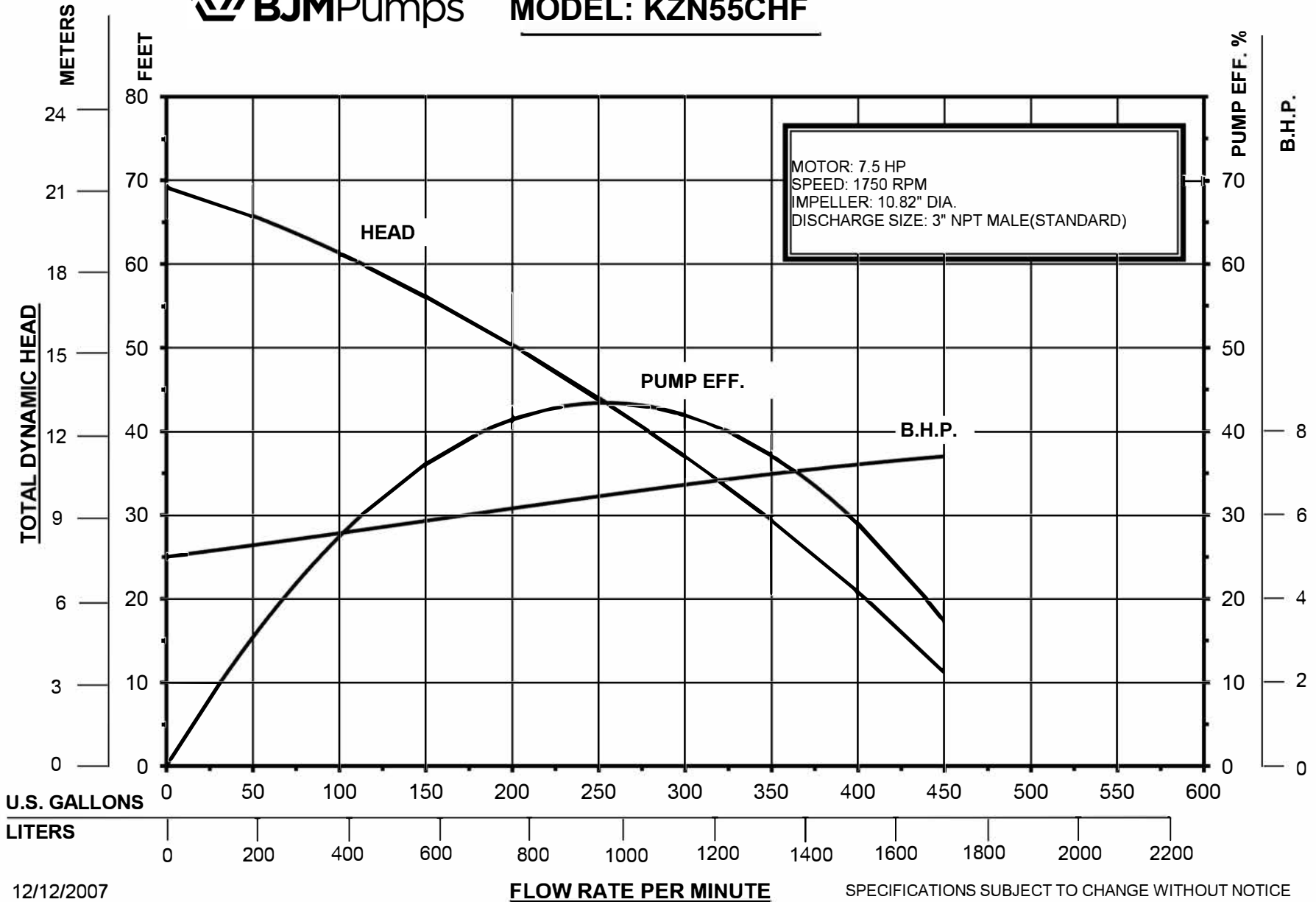
123 Spencer Plain Road
 Old Saybrook, CT. 06475, USA
 (860)399-5937 - (877) BJM-PUMP - Fax: (860)399-7784

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



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MODEL: KZN55CHF



12/12/2007

FLOW RATE PER MINUTE

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