

TECHNICAL DATA
MODEL KZN37F
HEAVY DUTY SLURRY PUMP – CHROME IRON / HARDENED DUCTILE IRON
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, 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)	319 lbs (145 kg)
SHIPPING WEIGHT: lbs (kg)	375 lbs. (170.5 kg)

CONSTRUCTION/MATERIAL DATA

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, 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 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.

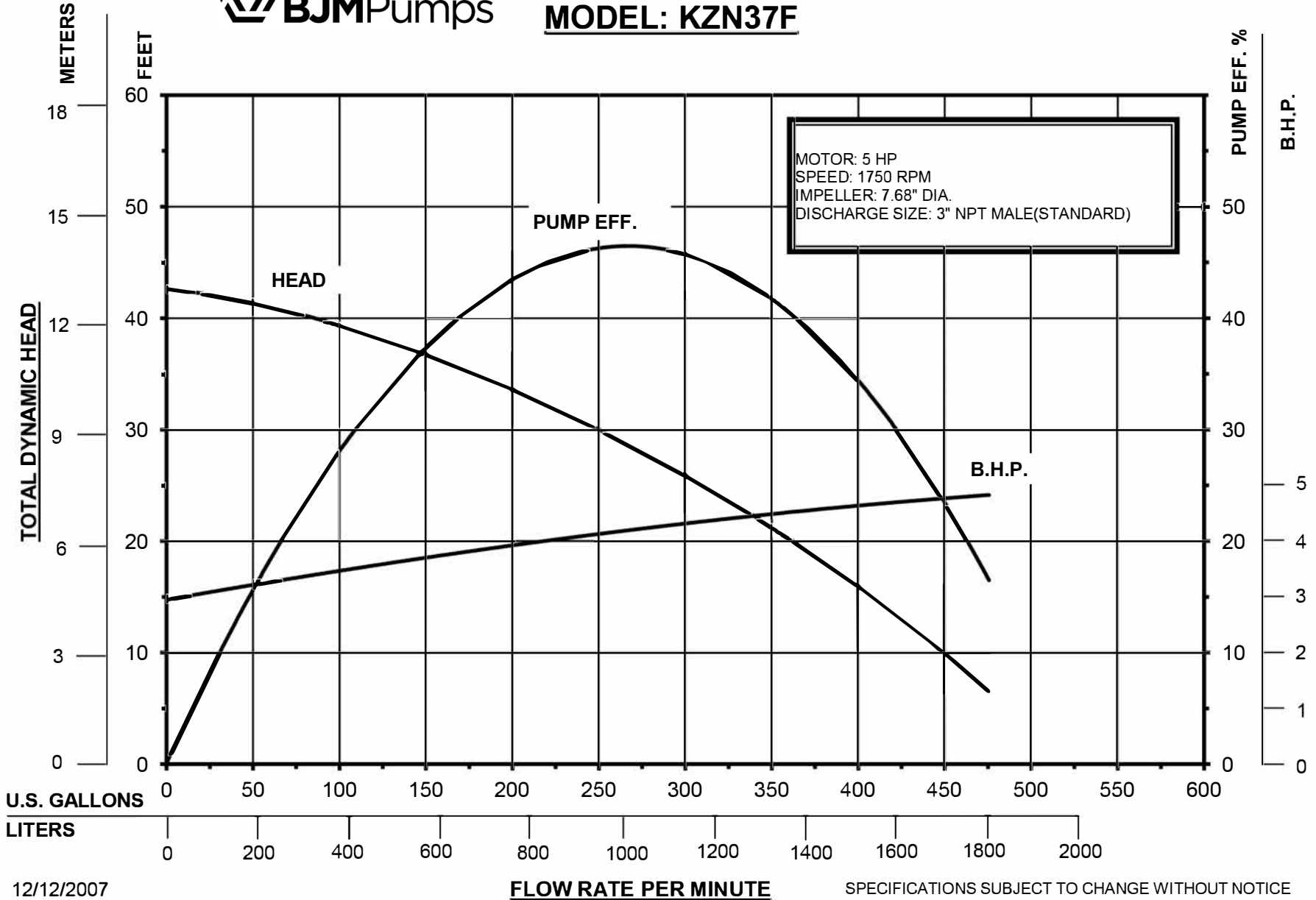
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REFER TO REVERSE SIDE FOR PUMP PERFORMANCE CURVES
SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE



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12/12/2007

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