

TECHNICAL DATA
MODEL KZN220LF
HEAVY DUTY SLURRY PUMP – CHROME IRON / HARDENED DUCTILE IRON
For High Temperature Service

GENERAL DATA

MAX. FLOW: GPM (L/min)	1690 GPM (6396 L/min)
MAX. HEAD: ft (m)	77' (23.5 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)	1.5" (38.1 mm)
STRAINER OPENING: in (mm)	1.375" (34.9 mm)
IMPELLER DIAMETER: in (mm)	10.23" (260 mm)
DISCHARGE SIZE	6" NPT-MALE (8" flange OPTIONAL)
PUMP WEIGHT, without cable: lbs (kg)	1144 lbs (520 kg)
SHIPPING WEIGHT: lbs (kg)	1275 lbs. (579.5 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	213 U.S. FL. OZ. (6300 C.C.), SHELL FM 32, NSF APPROVED
BALL BEARING: OIL LUBRICATED UPPER	6309
BALL BEARING: OIL LUBRICATED LOWER	6314 x (2)

ELECTRICAL /MOTOR DATA

MOTOR: TYPE, RATING HP	Submersible, Oil-Filled , Continuous Duty, 30	
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.	39	30.2
LOCKED ROTOR CURRENT (LRA)	230	184
MOTOR PROTECTION	THERMAL SENSOR SWITCHES EMBEDDED IN EACH WINDING PHASE, 300°F (149°C)	
POWER CORD: GAGE; LENGTH	A.W.G. 4/4; 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.

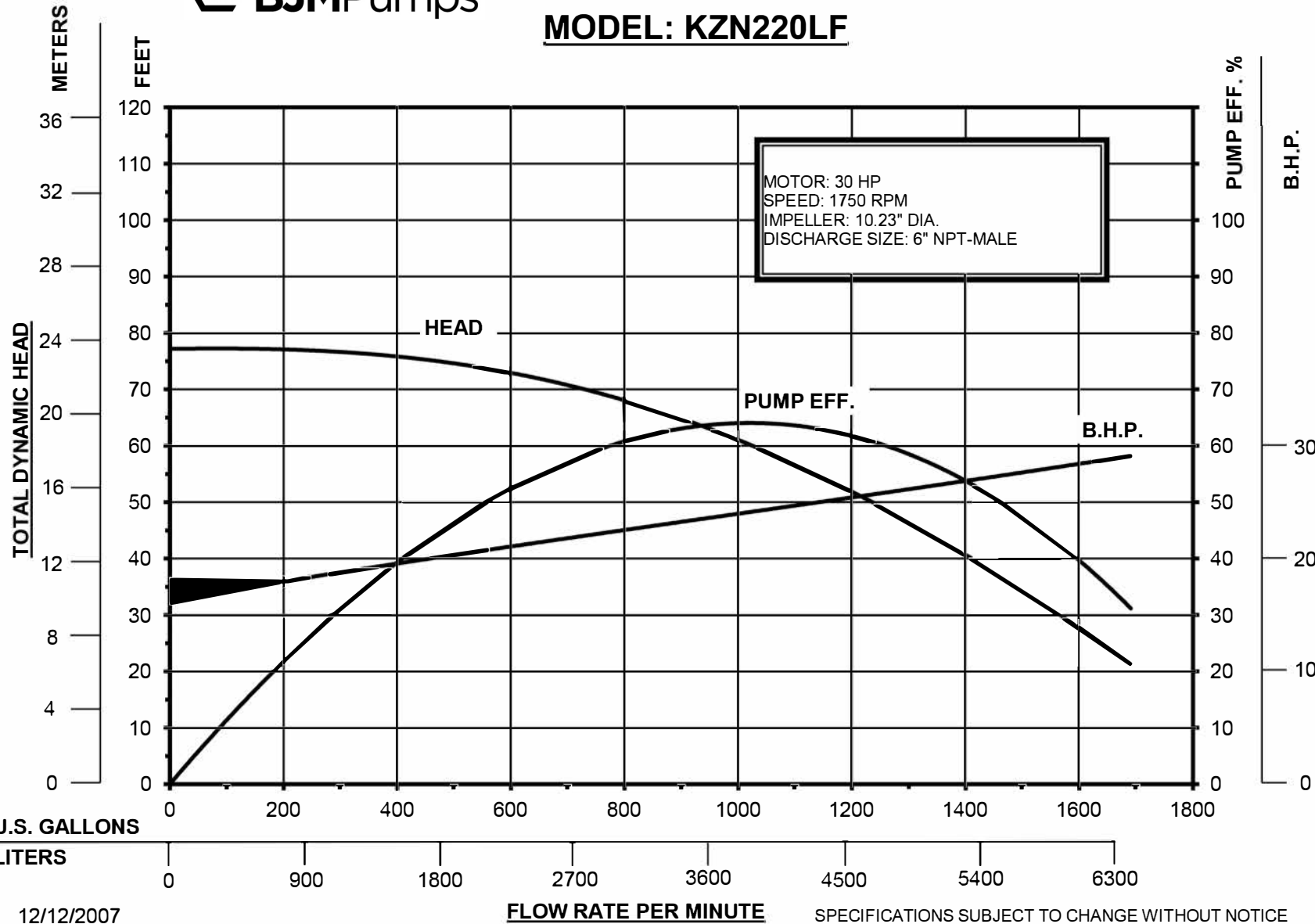
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REFER TO REVERSE SIDE FOR PUMP PERFORMANCE CURVES
SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE

MODEL: KZN220LF



12/12/2007

FLOW RATE PER MINUTE

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