

**TECHNICAL DATA**  
**MODEL KZN110F**  
**HEAVY DUTY SLURRY PUMP – CHROME IRON / HARDENED DUCTILE IRON**  
**For High Temperature Service**

**GENERAL DATA**

MAX. FLOW: GPM (L/min)	977 GPM (3700 L/min)
MAX. HEAD: ft (m)	72' (22 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)	1.375" (34.9 mm)
STRAINER OPENING: in (mm)	1.375" (34.9 mm)
IMPELLER DIAMETER: in (mm)	10.43" (265 mm)
DISCHARGE SIZE	6" NPT-MALE
PUMP WEIGHT, without cable: lbs (kg)	563 lbs (256 kg)
SHIPPING WEIGHT: lbs (kg)	667 lbs. (303.2 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	125 U.S. FL. OZ. (3700 C.C.), FM 32, NSF APPROVED
BALL BEARING: OIL LUBRICATED UPPER	6306
BALL BEARING: OIL LUBRICATED LOWER	6310

**ELECTRICAL /MOTOR DATA**

MOTOR: TYPE, RATING HP	Submersible, Oil-Filled , Continuous Duty, 15	
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.	17.5	13.7
LOCKED ROTOR CURRENT (LRA)	110	85
MOTOR PROTECTION	THERMAL SENSOR SWITCHES EMBEDDED IN EACH WINDING PHASE, 300°F (149°C)	
POWER CORD: GAGE; LENGTH	A.W.G. 8/4; 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.

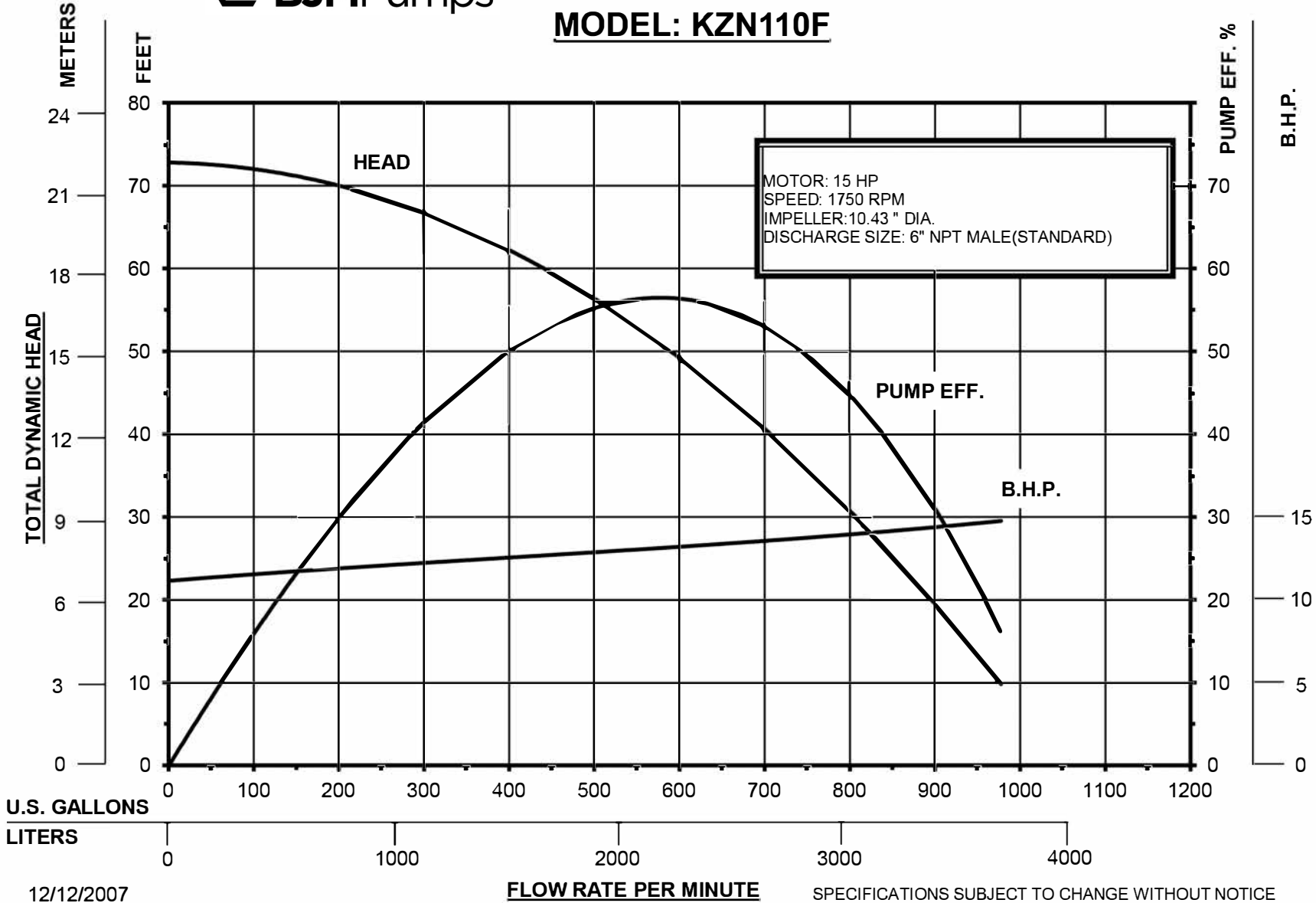
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**REFER TO REVERSE SIDE FOR PUMP PERFORMANCE CURVES**  
**SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE**

**MODEL: KZN110F**



12/12/2007

**FLOW RATE PER MINUTE**

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