

TECHNICAL DATA
MODEL KZN220RF
HI-HARD SEVERE DUTY SLURRY PUMP – CHROME IRON / HI HARD VOLUTE
For High Temperature Service

GENERAL DATA

MAX. FLOW: GPM (L/min)	1268 GPM (4799 L/min)
MAX. HEAD: ft (m)	105' (32 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)	11.65" (296 mm)
DISCHARGE SIZE	6" NPT-MALE (8" flange OPTIONAL)
PUMP WEIGHT, without cable: lbs (kg)	1150 lbs (522.7 kg)
SHIPPING WEIGHT: lbs (kg)	1281 lbs. (582.3 kg)

CONSTRUCTION/MATERIAL DATA

DUAL MECHANICAL SEALS	SILICON CARBIDE/SILICON CARBIDE - VITON® FITTED
MOTOR HOUSING	CAST IRON
PUMP VOLUTE	DUCTILE IRON WITH INTERIOR HARDNESS COATING TO 1180 DPH(Rc 71)
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.

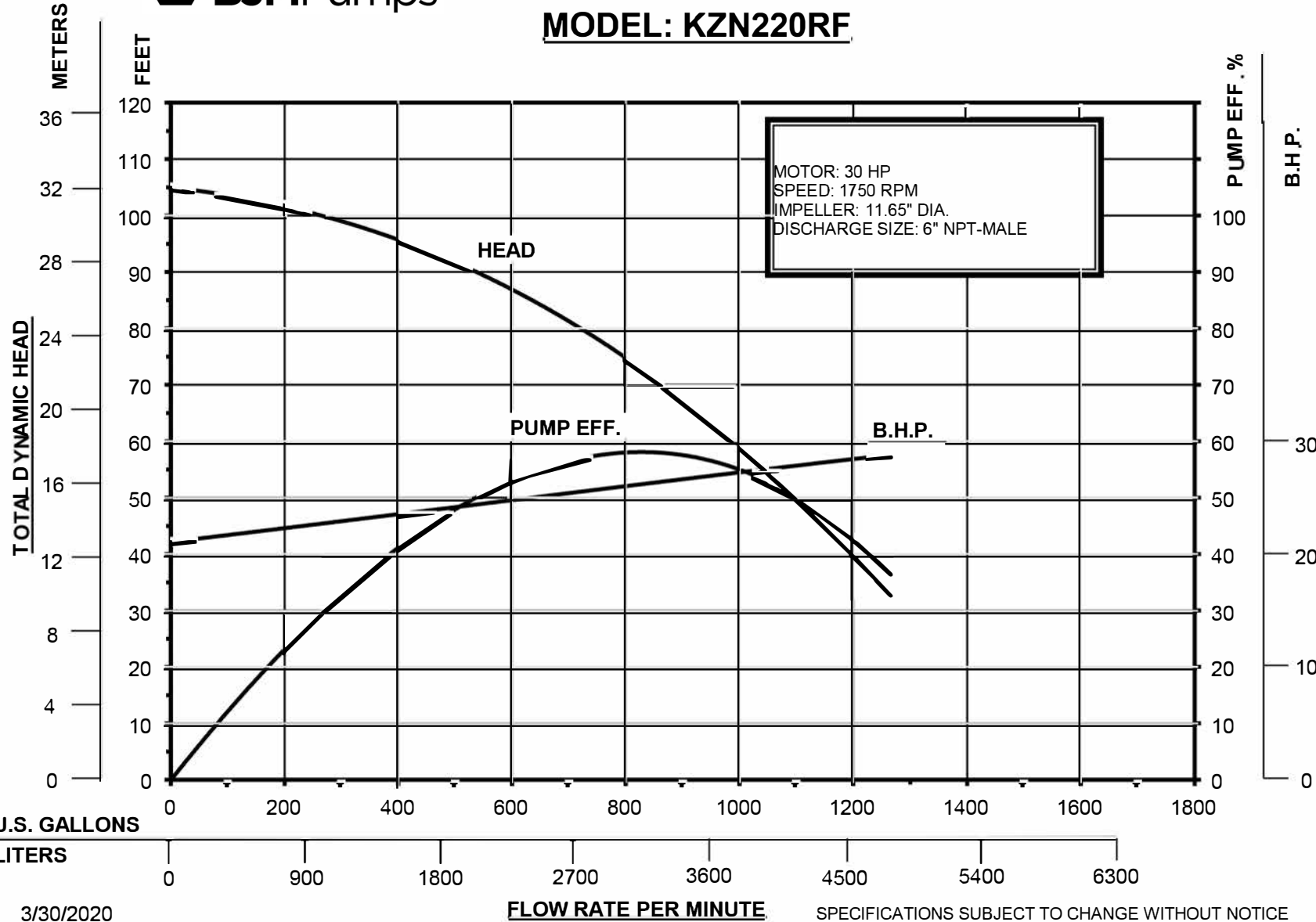
©2020 Industrial Flow Solutions Operating, LLC. All rights reserved.

104 John W Murphy Drive
 New Haven, CT. 06513, USA
 Tel: (860)399-5937 - Fax: (860)399-7784

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

Viton® is a registered trademark of DuPont Performance Elastomers.
 Seal Minder® is a registered trademark of Industrial Flow Solutions Operating, LLC. All rights reserved.

MODEL: KZN220RF



3/30/2020

FLOW RATE PER MINUTE

SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE