



 **BJMPumps**®

Explosion Proof Hard Metal Agitator Slurry Pumps



XP-KZN Series

XP-KZN Explosion Proof Hard Metal Agitator Slurry Pumps

The XP-KZN pumps are hard metal agitator pumps designed for operation in Class I, Division 1, Groups C & D hazardous environments (temp. code T3C). These pumps are designed to resist abrasive wear and to reduce downtime and repair costs. Its unique construction is ideal for wastewater and industrial applications, including:

- Washdown Sumps
- Driller Mud Transfer
- Fracking Services
- Barge & Tank Clean Out
- Coal Runoff Sumps
- Tailing Ponds
- Silt Removal
- Cellar Pumping

For more information, visit www.flowsolutions.com or call 860-631-3618



High-Chrome Agitator helps keep solids suspended in liquid and helps prevent pump from clogging.

Key XP-KZN Benefits

- FM-approved explosion proof motor meets NFPA (70), NEC and OSHA requirements for Class I, Division 1, Group C & D hazardous locations
- 28% chrome iron agitator, wear plate and impeller to handle the most abrasive slurries
- Top discharge, slim line design for additional motor cooling
- Oil-lubricated, double mechanical seal design featuring early warning seal failure protection circuit to ensure the longest pump and motor life
- Class H motor insulation with integral amperage (FLA) and temperature overload protection
- Hardened ductile iron volute with 300 Brinell hardness for twice the abrasion resistance as standard ductile iron



Motor Features

Cable System

Compression fitting with BUNA N grommet. Individually isolated and potted leads to prevent moisture intrusion and leakage

Explosion Proof

FM/CSA approved for use in Class I, Division 1, Groups C & D hazardous locations with T3C temperature code

Electrical Data

3-phase, 1750 RPM, 230–460–575 V voltages, 1.15 Service Factor

Bearing System

Sealed upper and lower bearings with high temperature grease to extend life

Upper Radial Bearing

Single row, deep groove ball bearings

Motor Insulation/Cooling

Class H, rated to 180°C/Air cooled motor

Lower Radial & Axial Load Bearing System

Uses (2) single row deep groove ball bearings

Pump Features

Fasteners and Hardware

All 304SS

Top Discharge

Lower pump down level and simpler portability

Seal Minder® System

Seal minder probe installed in seal chamber as part of early warning motor protection

Sealing System

Oil cooled and lubricated double mechanical seal design with SC vs. SC faces and BUNA N elastomers. Seal chamber protected from pumpage by slinger and lip seal

Shaft Sleeve

Easily replaceable 403SS shaft sleeve

Volute

Hardened ductile iron as standard. Optional TC/chrome/cobalt abrasion resistant coating available for severe abrasives

Agitator

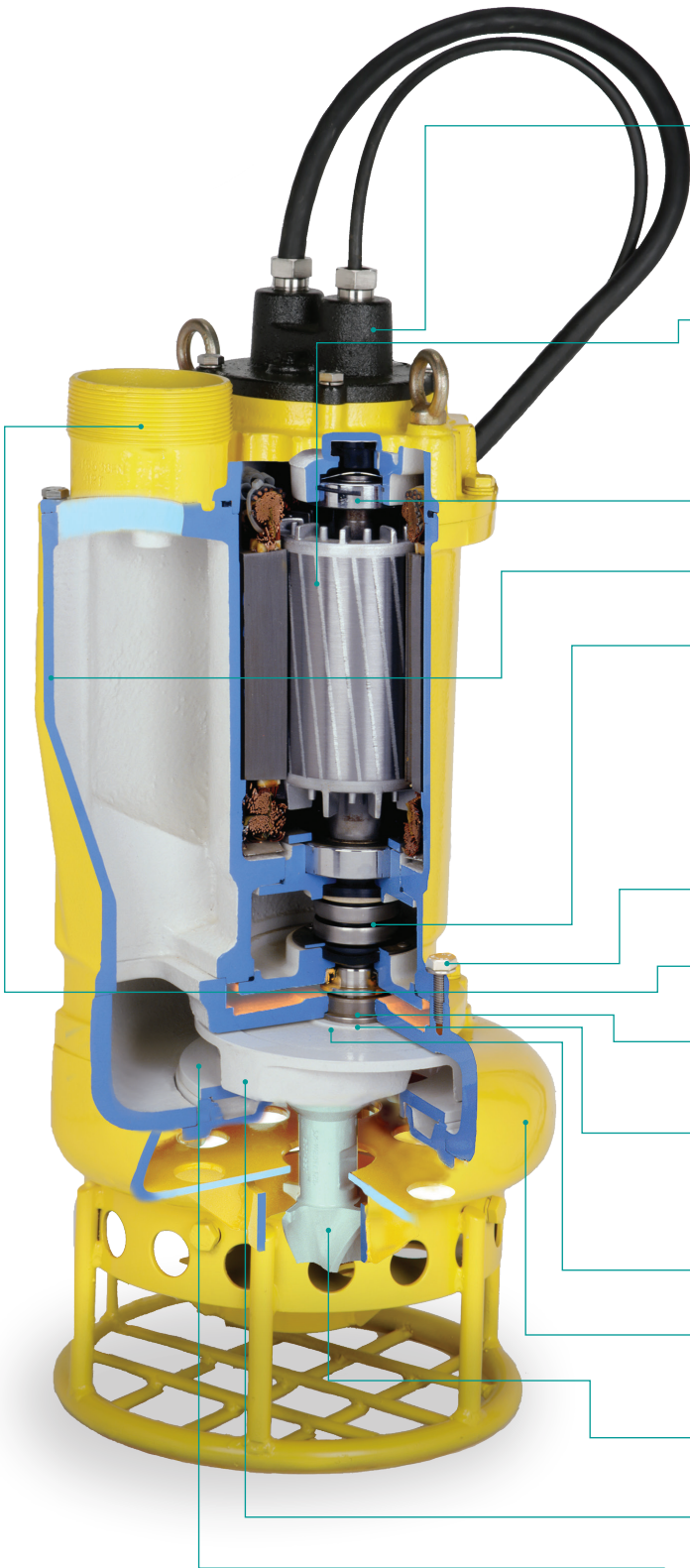
Hard metal (28% chrome iron agitator)

Impeller

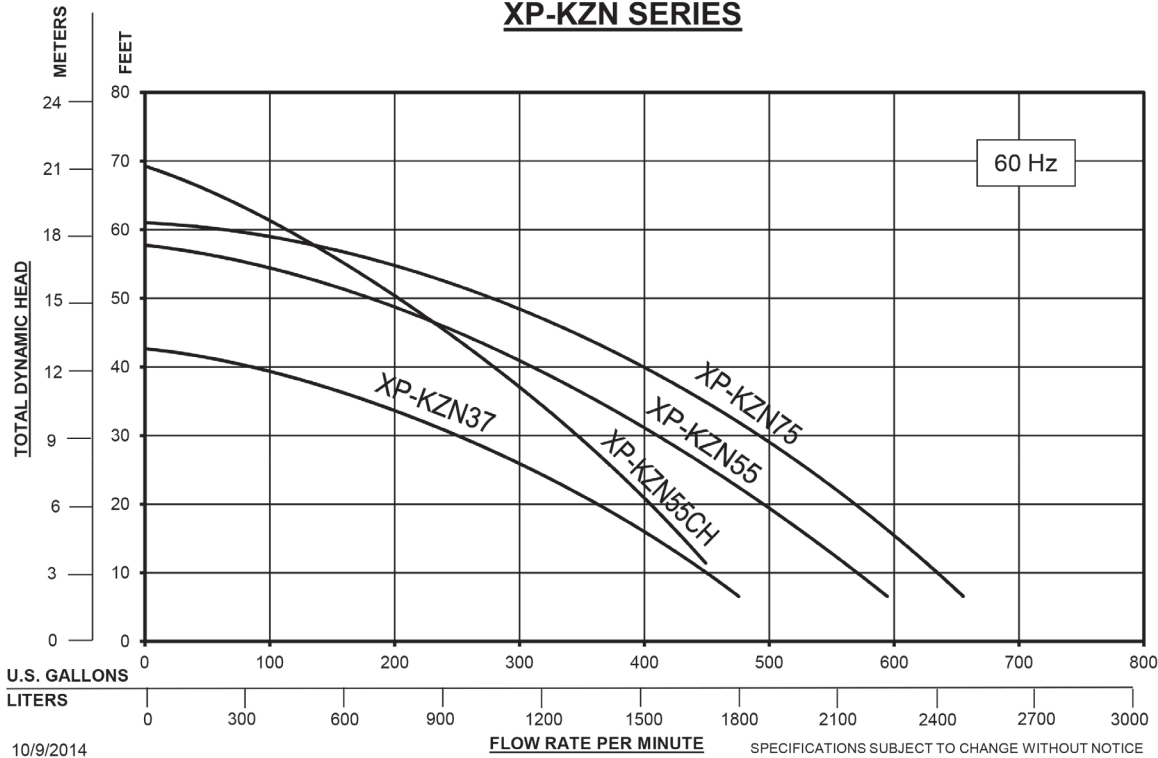
Semi-open hard metal (28% chrome iron) slurry type impeller. Able to pass 7/8" to 1" solids

Wear Plate

Hard metal (28% chrome iron replaceable wearplate)



XP-KZN SERIES



10/9/2014

MODEL	DISCH. SIZE	H.P.	VOLT	RATED AMPS	MAX SOLIDS	MAX HEAD	MAX GPM	HEIGHT	WIDTH	PUMP WEIGHT LBS	EST SHIP WEIGHT LBS
XP-KZN37	3"	5	230/460/575	17/8.5/6.8	7/8"	42'	475	32"	16"	336	408
XP-KZN55	4"	7.5	230/460/575	19.5/9.5/7.8	1"	57'	594	32"	16"	350	422
XP-KZN55CH	3"	7.5	230/460/575	19.5/9.5/7.8	1"	69'	449	32"	16.25"	388	462
XP-KZN75	4"	10	460/575	13/10.5	1"	61'	655	33"	16"	361	433

Motor Accessories

Cable

Optional length power & sensor cables – larger conductor size power cable

Pump Lifting Bail

Allows pump, electrical cable and control to be moved easily on jobsite

Motor Controls

NEMA 4 or NEMA 7 motor controls to include Seal Minder® relay, motor thermal sensor connectors

SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE



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