



THE RIGHT PUMP FOR
TOUGH JOBS

KZN-SERIES

HEAVY DUTY SUBMERSIBLE AGITATOR / SLURRY PUMPS



ENGINEERED TO TACKLE THE TOUGHEST APPLICATIONS & BUILT TO LAST WHERE OTHERS FAIL.

KZN-SERIES

KZN Heavy Duty Submersible Slurry Pumps with agitator is the choice of industries that face the most difficult pumping:

Lime slurries
Wash down sumps
Slag pits
Drillers Mud

Mill scale
Ash transfer
Food wastes
Sand & gravel dewatering

Barge & tank clean out
Coal runoff sumps
Tailings ponds
Silt removal

The **KZN** is the **TOUGHEST** pump for your job!

TOP 3 REASONS WHY YOU SHOULD CHOOSE THE KZN...

1 Every **KZN** slurry pump is constructed with the following abrasive resistant 28% chrome iron (600 Brinell, 57 Rockwell C) components;

- Agitator - to fluidize settled solids into a slurry.
- Wear plate - easily replaceable for optimizing performance.
- Impeller - 28% chrome iron slurry type open impeller designed to handle the most abrasive and highest percentage slurries.



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

2 Every **KZN** slurry pump model is protected by;

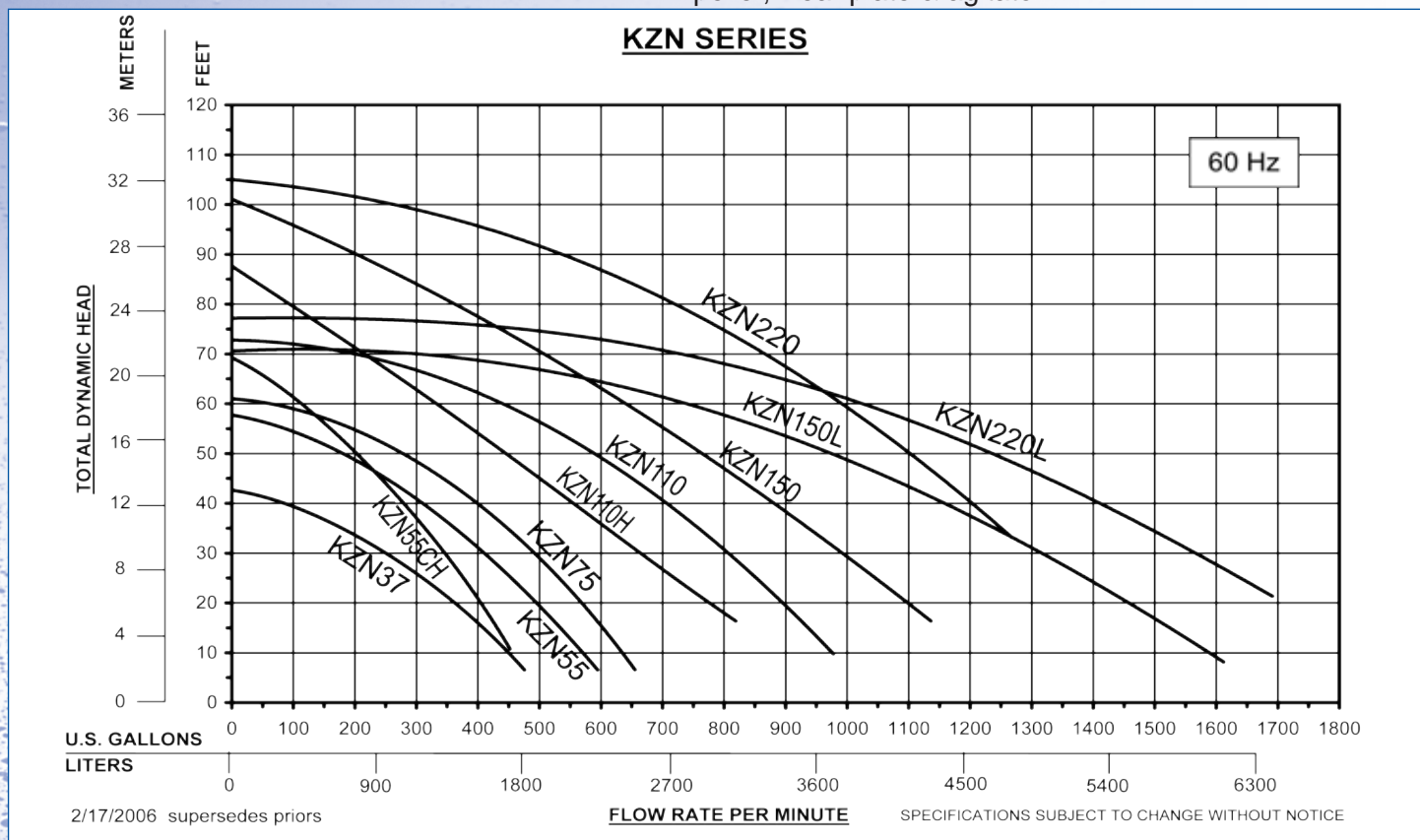
- Class H motor insulation - with integral amperage (FLA) and temperature overload protection.
- Double silicon carbide mechanical seals - in a separate oil filled seal chamber.
- Heavy Duty Lip Seal - additional protection for seal chamber from solids migration.
- Stainless steel shaft and shaft sleeve - saves on shaft wear due to abrasives and corrosive slurries.
- Hardened Ductile Iron Volute - 300 Brinell hardness; twice as abrasive resistant as standard ductile iron. Optional abrasion coatings available to extend volute life for overly aggressive slurries.
- The KZN's hardened ductile iron volutes - cast with extra thick walls at the point where pumped slurry enters the discharge.

3 Every **KZN** is a top discharge pump;

- KZN heavy duty slurry pumps are durable & portable; frequently dragged from one site to another. The KZN doesn't have a side discharge connection that can break off or be damaged as it is pulled and pushed into place.
- Top discharge pumps are cooled by the pumped liquid - The KZN slurry pumps can pump a sump or pit down to within "inches" of the bottom. A side discharge pump without a cooling jacket must stay submerged to avoid overheating, leaving as much as 3 feet of un-pumped slurry.
- Top discharge means "SLIM" - even the largest model with a 22.75 inch "waistline" will fit down a manhole with a hose attached.

KZN-SERIES

Every **KZN** slurry pump is constructed with abrasive resistant 28% chrome iron (600 Brinell, 57 Rockwell C) impeller, wear plate & agitator.



MODEL	DISCH. SIZE	H.P.	VOLT	RATED AMPS	MAX SOLIDS	MAX HEAD	MAX GPM	HEIGHT	WIDTH	PUMP WEIGHT LBS.	EST. SHIP-WEIGHT LBS.
KZN 37	3"	5	230/460	17/8.5	7/8"	42'	475	32.3"	16.5"	319	370
KZN 55	4"	7.5	230/460	19.5/9.5	1"	57'	594	32.3"	16.5"	332	385
KZN 55CH	3"	7.5	230/460	19.5/9.5	1"	69'	449	32.3"	17.25"	367	420
KZN 75	4"	10	460	13	1"	61'	655	33.0"	16.5"	344	397
KZN 110	6"	15	460	17.5	1 3/8"	72'	977	43.3"	21.5"	563	667
KZN 110H	4"	15	460	17.5	1 3/8"	87'	819	43.3"	21.5"	576	680
KZN 150	6"	20	460	26	1 1/2"	101'	1136	45.0"	21.5"	576	680
KZN 150L	6"	20	460	26	1 1/2"	70'	1611	45.0"	21.5"	576	680
KZN 220	6"	30	460	39	1 1/2"	105'	1268	52.2"	22.75"	1144	1275
KZN 220L	6"	30	460	39	1 1/2"	77'	1690	52.2"	22.75"	1144	1275

Power Supply:

All pumps are 3 phase, 1750 RPM, and have Class H motor insulation.

- Other voltages and Hz available.
- All pumps supplied with 50' power cord.
- Custom cable lengths available.
- Optional Seal Minder® available for all models.

Shaft Seal:

Dual Mechanical Seals (SiC) x 2;
Single or Dual lip-seals (dependant on model).
Replaceable Shaft Sleeve for inexpensive maintenance.



Also available: • KZNR-Series - proprietary volute hardening to extend life for overly aggressive slurries
• High temperature; **FAHRENHEIT**®, applications up to 200° F.

Features & Benefits



SPECIFICATION SUBJECT TO CHANGE WITH OUT NOTICE

WARNING: NOT FOR USE IN ANY FLAMMABLE LIQUIDS



123 Spencer Plain Road
P.O. Box 1138
Old Saybrook, CT 06475

Tel: (860)-399-5937

Fax: (860)-399-7784

Web: www.bjmpumps.com

Distributor: