

SUBMERSIBLE SLURRY PUMP



Features:

The cast iron construction of our KBS series extends pump life by preventing premature wear and failure from the abrasive materials found in mining and construction applications. Available in a variety of discharge sizes and horsepower, the KBS pumps are engineered to withstand even the most rigorous situations.

4 pole, 1800 rpm motors reduce impeller tip speed and extend parts wear life.

High chrome alloy impeller combined with agitator for pumping heavy slurry.

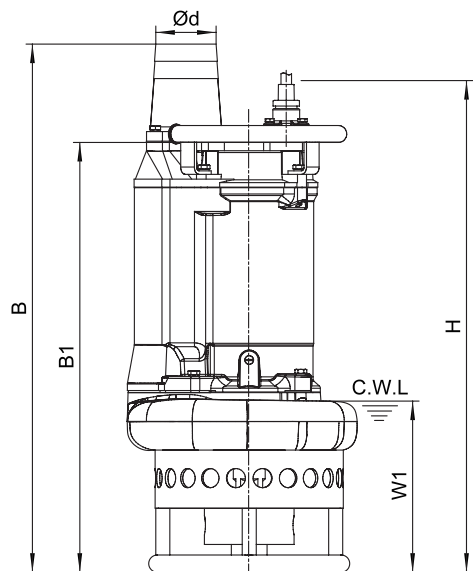
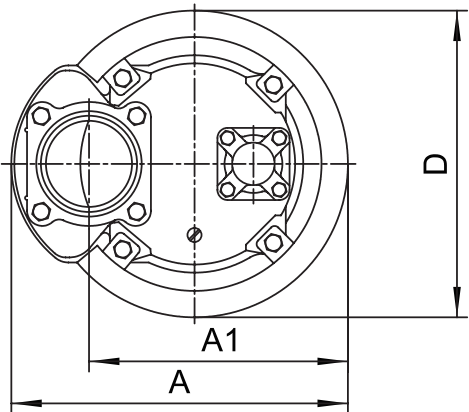
.Insulation class: F

.Protection class: IP68

.Cable length:8m, other length optional

.Water temperature: up to 40° C

.Max immersion depth: 15m



W1:Continuous running water level

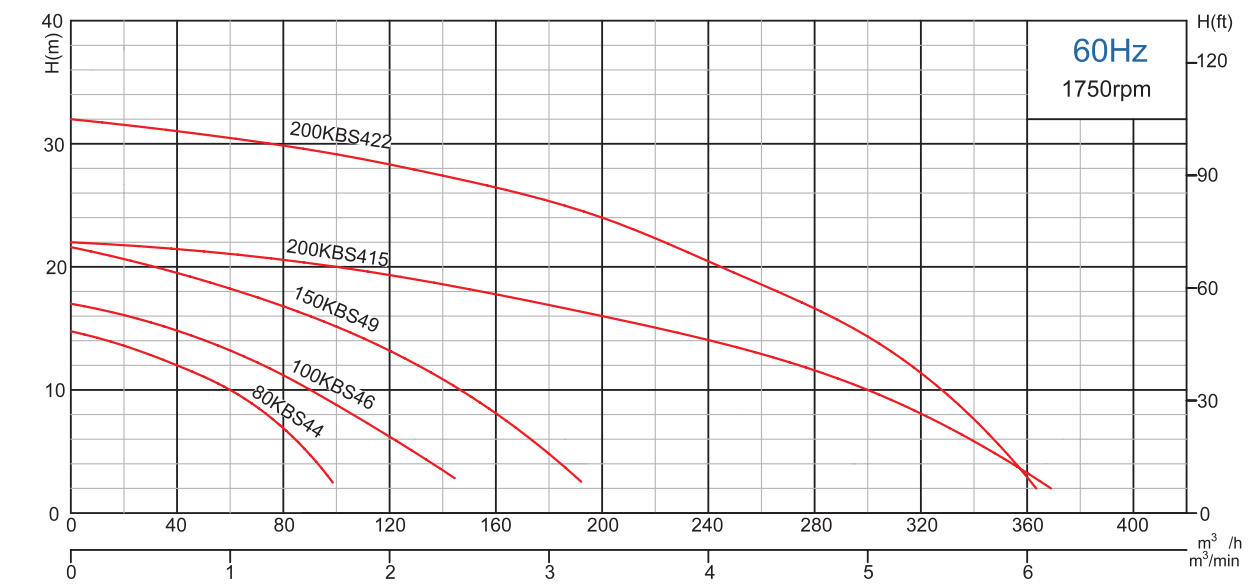
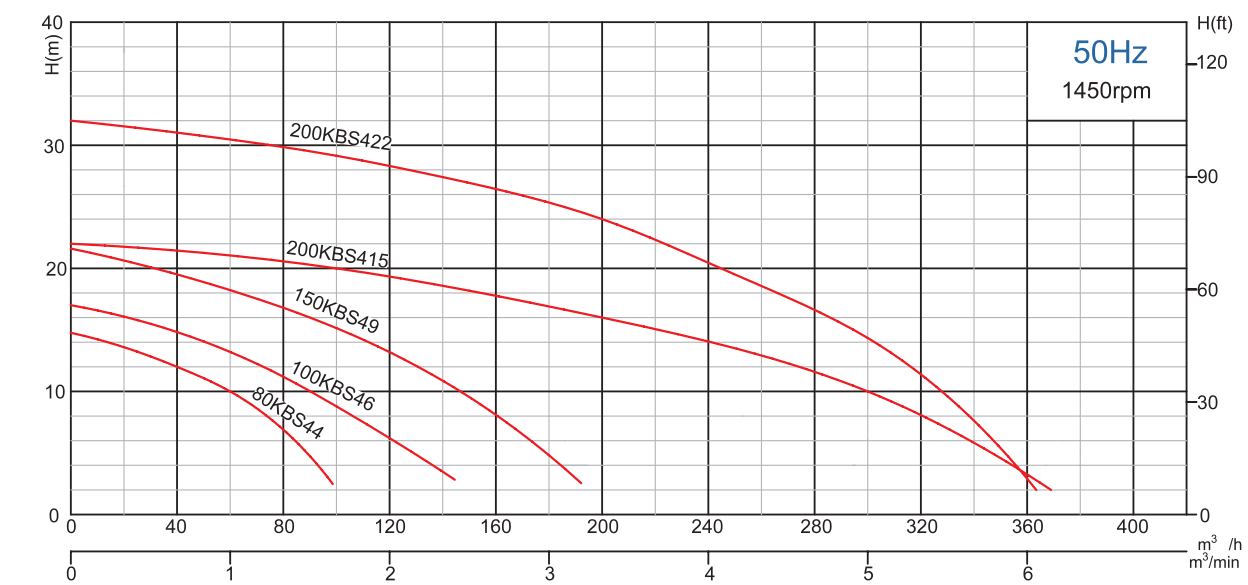
Material of construction

Item No.	Part name	Material	Item No.	Part name	Material
01	Hose coupling	Cast iron	25	Strainer	Steel
02	Handle	Steel	27	Stator	
05	Upper cover	Cast iron	28	Rotor	Shaft: stainless steel
07	Bearing house	Cast iron	31a	Bearing	Ball bearing
11	Motor body	Cast iron	31b	Bearing	Ball bearing
13	Pump body	Cast iron	34	Mechanical seal	Sic-Sic/Sic-Sic Tc-Sic/Sic-Sic(≥ 15kW)
14a	Impeller	High chrome alloy	35	Oil seal	
14b	Agitator		47	Cable	
16a	Inlet plate	High chrome alloy			
16b	Inlet plate	Cast iron			

Dimensions & weights

Model (50/60Hz)	d	A	A1	B	B1	D	H	W1	N.W	G.W	Packing dimension
	mm	mm	mm	mm	mm	mm	mm	mm	Kg	Kg	mm
80KBS44	80	350	260	816	678	326	730	250	108.5	119	885x385x395
100KBS46	100	415	305	844	682	373	730	250	141	151	470x410x985
150KBS49	150	434	324	889	727	407	776	250	171	183	470x470x1045
200KBS415	200	484	352	1121	889	457	980	295	260	278	540x500x1220
200KBS422	200	578	442	1245	1015	528	1200	330	408	434	740x570x1460

Performance curves



Performance table

Model (50/60Hz)	Outlet	Motor power		Starting Method	Rated current (380V)	Rated capacity		Rated head	Max capacity		Max Head	Impeller Passage
	mm	kW	HP		A	m³/h	m³/min	m	m³/h	m³/min	m	mm
80KBS44	80	4	5.5	D.O.L.	10.2	60	1.0	10	99	1.65	14.8	30
100KBS46	100	6	8	D.O.L.	13.8	90	1.50	10	144	2.40	16.9	30
150KBS49	150	9	12	D.O.L.	19.5	100	1.67	15	192	3.20	21.5	30
200KBS415	200	15	20	D.O.L.	30.1	200	3.33	16	372	6.20	22	30
200KBS422	200	22	30	Star-Delta	42	200	3.33	24	360	6	32	30

SUBMERSIBLE DRAINAGE PUMP



Brief Introduction

The body of motor and pump is made of rigid cast iron for long-lasting durability. Greatly increased maximum submersion depth due to mechanical seal resistant to high pressure. Semi-open impeller made of high chrome alloy match with wear plate (ductile iron) achieves superior durability. Effective motor cooling due to discharge channel cast as part of the motor housing. Space economy by a top outlet
Discharge 50mm (2") to 150mm (6"), motor 1.5kW (2HP) to 15kW(20HP).
Hermetically sealed motor equipped with built-in thermal protection.

Application

Civil engineering
Mines,quarries,coal ore & slurries
Sewage treatment plants
General pumping purposes

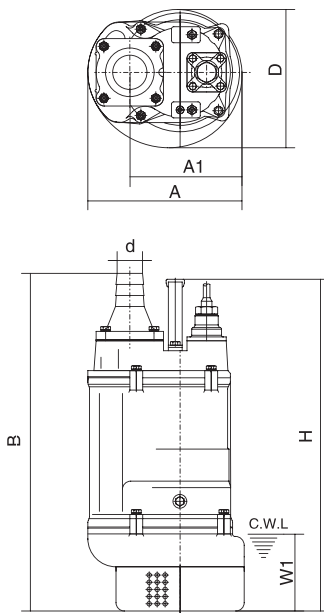
Specification

Capacity: up to 160 m³/h
Head: up to 57 meters
Power:1.5KW(2HP) to 15 KW (20HP)
Power supply: three phase 380 V ± 10%, 50Hz
380 V ± 10%, 60Hz

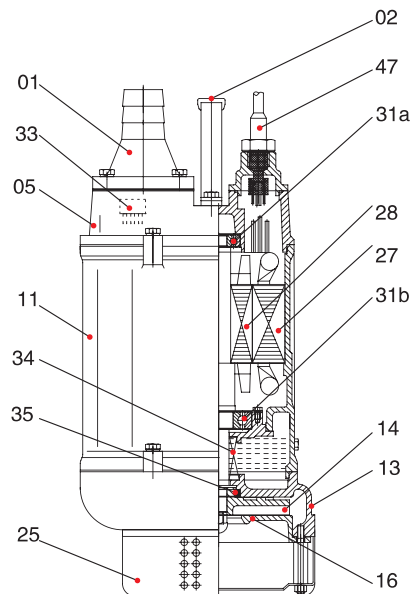
Insulation class: F
Protection class: IP68
Cable length: 8m
Water temperature: up to 40℃
Max.water depth: 25m

Special features on request

Other voltages
The length of cable is optional



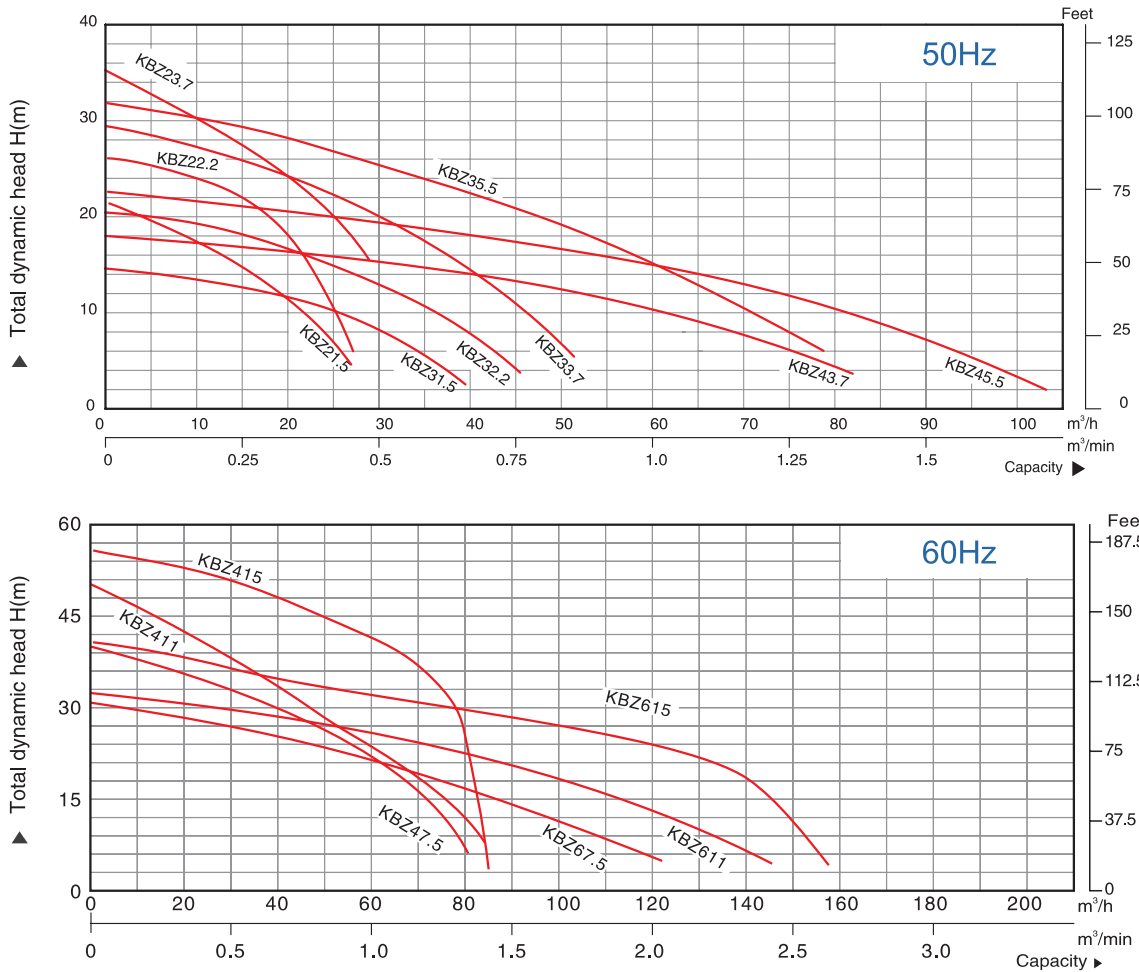
W1:Continuous running water level



Item No.	Part name	Material	Item No.	Part name	Material
01	Hose coupling	Cast iron	28	Rotor	Shaft: stainless steel
02	Handle	Rubber&steel	31a	bearing	Ball bearing
05	Upper cover	Cast iron	31b	bearing	Ball bearing
11	Motor body	Cast iron	33	Motor protector	
13	Pump body	Cast iron	34	Mechanical seal	Sic-Sic/Carbon-Sic(≤2.2kW) Sic-Sic/Sic-Sic(≥3.7kW)
14	Impeller	High chrome alloy	35	Oil seal	
16	Inlet plate	Ductile iron	47	Cable	
25	Strainer	Steel			
27	Stator				

Model	d	A	A1	B	D	H	W1
KBZ21.5	50	235	173	517	216	486	120
KBZ31.5	80	235	173	517	216	486	120
KBZ22.2	50	235	173	517	216	486	120
KBZ32.2	80	235	173	517	216	486	120
KBZ23.7	50	283	208	628	252	638	150
KBZ33.7	80	283	208	628	252	638	150
KBZ43.7	100	283	208	642	252	638	150
KBZ35.5	80	306	218	671	259	598	150
KBZ45.5	100	306	218	686	259	598	150
KBZ47.5	100	330	240	764	314	676	190
KBZ411	100	373	255	807	350	695	190
KBZ67.5	150	330	240	790	314	676	190
KBZ611	150	373	255	807	350	695	190
KBZ415	100	373	255	842	350	755	190
KBZ415	100	373	255	842	350	755	190
KBZ615	150	373	255	842	350	755	190
KBZ615	150	373	255	842	350	755	190

Performance curves



Model(50Hz)	Outlet mm	Motor power kW HP	Max head m	Max capacity m³/h m³/min	Impeller passage mm	N.W kg	G.W kg	Packing dimension mm
KBZ21.5	50	1.5 2	22	27.0 0.45	8.5	34.5	37.5	585X270X270
KBZ22.2	50	2.2 3	26.0	27.0 0.45	8.5	36	39	585X270X270
KBZ23.7	50	3.7 5	34.0	29.0 0.48	8.5	60	65	685X325X300
KBZ31.5	80	1.5 2	14.5	40.0 0.67	8.5	34.5	37	585X270X270
KBZ32.2	80	2.2 3	21.0	50.0 0.83	8.5	36	39	585X270X270
KBZ33.7	80	3.7 5	29.0	55.0 0.92	8.5	60	65	685X325X300
KBZ35.5	80	5.5 7.5	32.0	70.0 1.17	8.5	77	84	725X355X370
KBZ43.7	100	3.7 5	18.0	90.0 1.50	8.5	61	66	685X325X300
KBZ45.5	100	5.5 7.5	23.0	105.0 1.75	8.5	78	85	725X355X370
KBZ47.5	100	7.5 10	40.0	84.0 1.40	11.5	105	114	805X365X390
KBZ411	100	11 15	48.5	86.4 1.44	11.5	130	140	855X415X440
KBZ415	100	15 20	56.0	86.4 1.44	11.5	142	153	895X415X440
KBZ67.5	150	7.5 10	31.0	124.8 2.08	19.5	106	114	835X365X390
KBZ611	150	11 15	32.0	147.0 2.45	19.5	133	143	855X415X440
KBZ615	150	15 20	40.0	156.0 2.60	19.5	145	156	895X415X440