

KSB Series Submersible Drainage Pump



Structure and characteristics

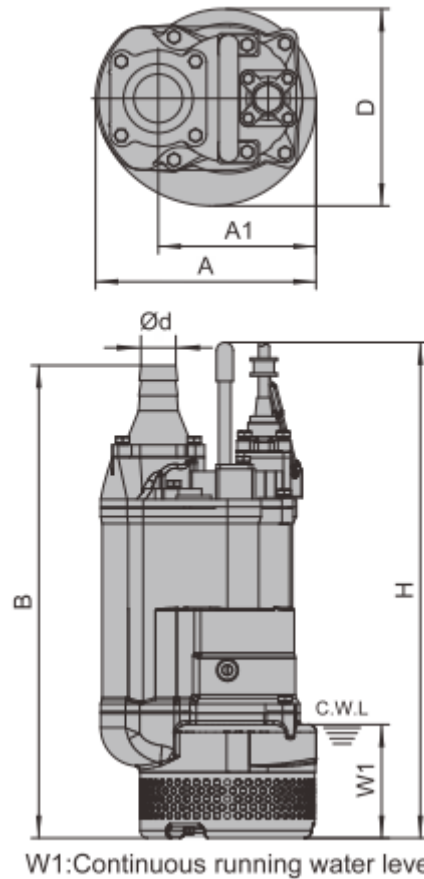
- The body of motor and pump is made of rigid cast iron-lasting durability.
- Greatly increased maximum submersion depth due to mechanical seal resistant to high pressure.
- Semi-open impeller made of high chrome alloy match with wear plate(ductile iron) achieves superior durability.
- Effective motor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

Application:

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

Specification

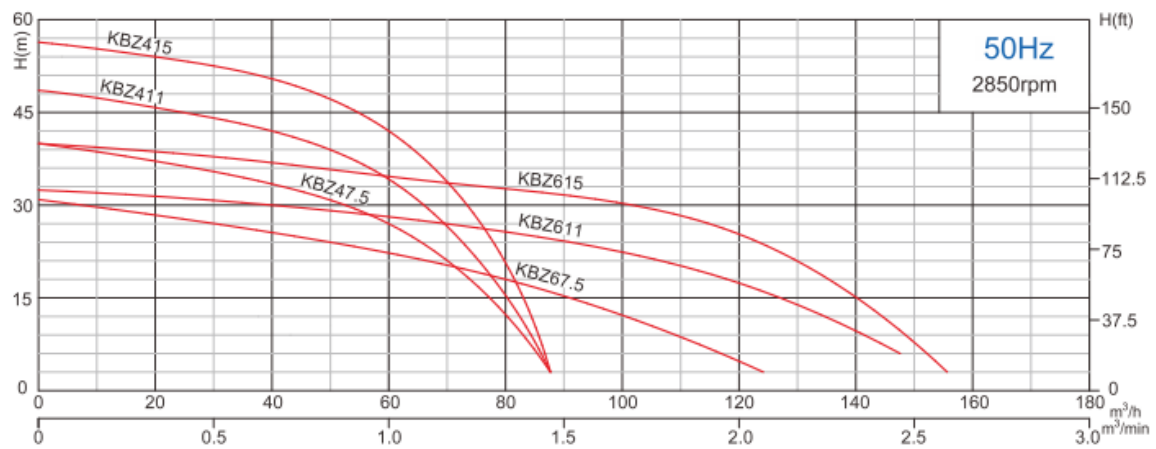
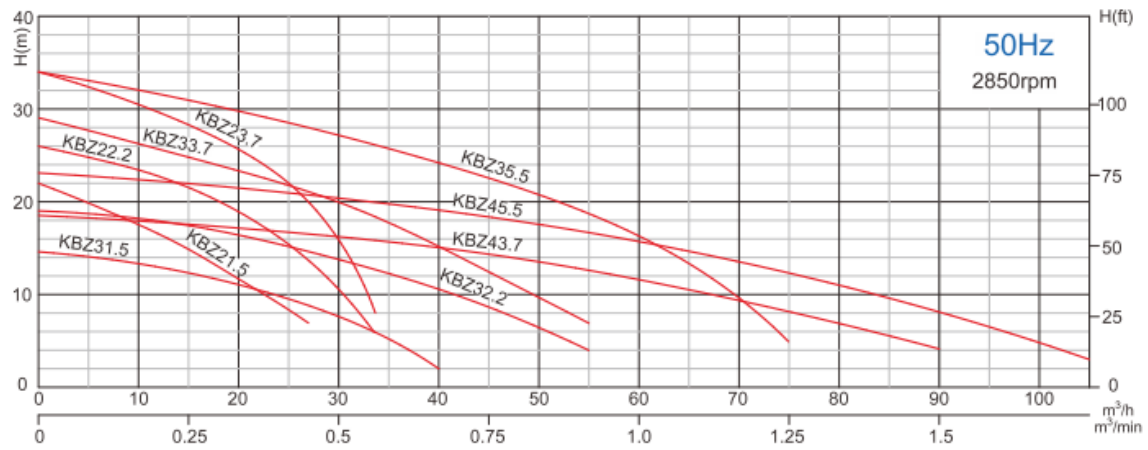
- Capacity up to 160 m³/h
- Head up to 57 meter
- Power: 1.5kW (2HP) to 15kW (20HP)
- Power supply: three phase 380V ±10% 50Hz
- Insulation class F
- Protection class: IP68
- Cable length: 8m
- Water temperature: up to 40°C
- Max. Water depth 25m



Dimensions & weights

Model (50/60Hz)	d	A	A1	B	D	H	W1	N.W	G.W	Packing dimension mm
	mm	mm	mm	mm	mm	mm	mm	Kg	Kg	
KSB21.5	50	235	173	535	216	505	120	36	40	610x265x265
KSB31.5	80	235	173	535	216	505	120	36	40	610x265x265
KSB22.2	50	235	173	535	216	505	120	39	43	610x265x265
KSB32.2	80	235	173	535	216	505	120	39	43	610x265x265
KSB23.7	50	283	208	628	252	629	150	63	68	710x320x295
KSB33.7	80	283	208	628	252	629	150	63	68	710x320x295
KSB43.7	100	283	208	642	252	629	150	63	68	710x320x295
KSB35.5	80	283	208	671	252	590	150	77	84	750x350x360
KSB45.5	100	283	208	686	252	590	150	77	84	750x350x360
KSB43.7	100	330	240	764	314	676	190	106	116	835x365x385
KSB67.5	150	330	240	790	314	676	190	108	119	865x365x385
KSB411	100	373	255	807	350	695	190	136	148	885x415x435
KSB611	150	373	255	807	350	695	190	139	150	885x415x435
KSB415	100	373	255	842	350	755	190	144	158	935x415x435
KSB615	150	373	255	842	350	755	190	146	160	935x415x435

Performance curves



Model (50Hz)	Outlet	Motor Power	Rated Current (400V)	Rated Capacity		Rated Head	Max Capacity		Max Head	Impeller Passage
				M ³ /h	M ³ /min		M ³ /h	M ³ /min		
KSB21.5	50	1.5 / 2	3.5	15	0.25	15	27	0.45	22	8.5
KSB22.2	50	2.2 / 3	5.0	18	0.30	20	33	0.55	26	8.5
KSB23.7	50	3.7 / 5	7.7	12	0.20	30	33	0.55	34	8.5
KSB31.5	80	1.5 / 2	3.5	30	0.50	8	40	0.67	14.5	8.5
KSB32.2	80	2.2 / 3	5.05	36	0.60	11	55	0.92	19	8.5
KSB33.7	80	3.7 / 5	7.7	30	0.50	20	55	0.92	29	8.5
KSB35.5	80	5.5 / 7.5	11.4	36	0.60	25	75	1.25	34	8.5
KSB43.7	100	3.7 / 5	7.7	60	1.0	11.5	90	1.50	18.5	8.5
KSB45.5	100	5.5 / 7.5	11.4	60	1.0	16	105	1.75	23	8.5
KSB47.5	100	7.5 / 10	15	48	0.80	30	84	1.40	40	11.5
KSB67.5	150	7.5 / 10	15	90	1.60	15	124.8	2.08	31	19.5
KSB411	100	11 / 15	22	60	1.00	35	84	1.40	48.5	11.5
KSB611	150	11 / 15	22	102	1.70	22	147	2.45	32	19.5
KSB415	100	15 / 20	29.5	60	1.00	42	84	1.40	56	11.5
KSB615	150	15 / 20	29.5	102	1.70	30	156	2.60	40	19.5