



KBS SUBMERSIBLE SLURRY PUMP

Submersible slurry pump with 4-pole motor for increased lifetime and greater convenience. High chrome alloy impeller combined with agitator is designed for pumping heavy slurry. Silt design with a top discharge enabling installation in smaller casing. For bentonite mixed water in foundation works or muddy water in civil engineer works.



Specification

- Capacity: up to 390m³/h
- Head: up to 39 meters
- Discharge: 80mm(3") to 200mm(8")
- power: 4kw (5.5HP) to 37kw (50HP)
- power supply: three phase 380V $\pm$ 10%,50HZ
380V $\pm$ 10%, 60HZ
- Insulation class: F
- protection class: IP68
- cable length: 8m
- water temperature: up to 40°C
- Max.water depth:15m

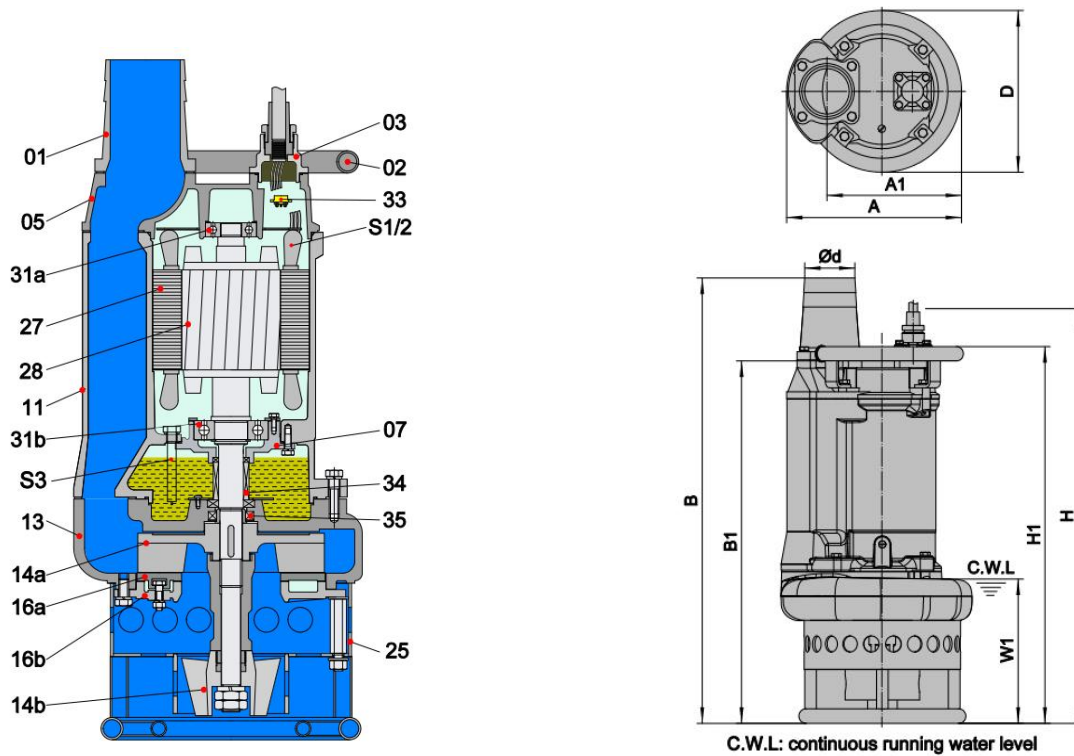
Application

- civil engineering
- Mines, quarries, coal ore & slurries
- Sewage treatment plants
- General pumping purposes
- Pumping fluid: sludge, liquid-containing mud and bentonite

special features on request

- Other voltages
- The length of cable is optional

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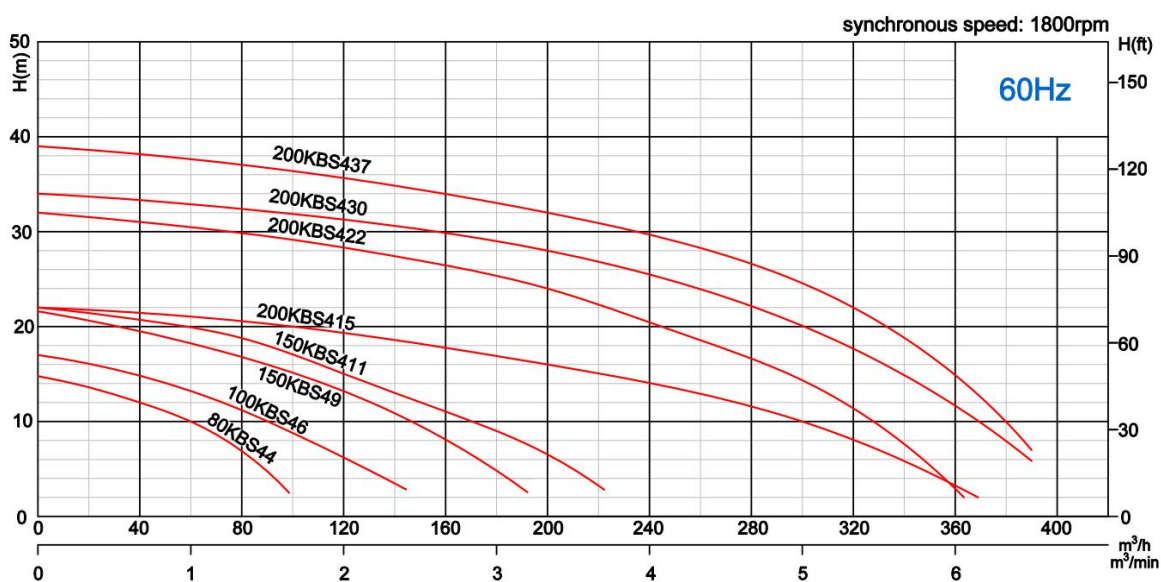
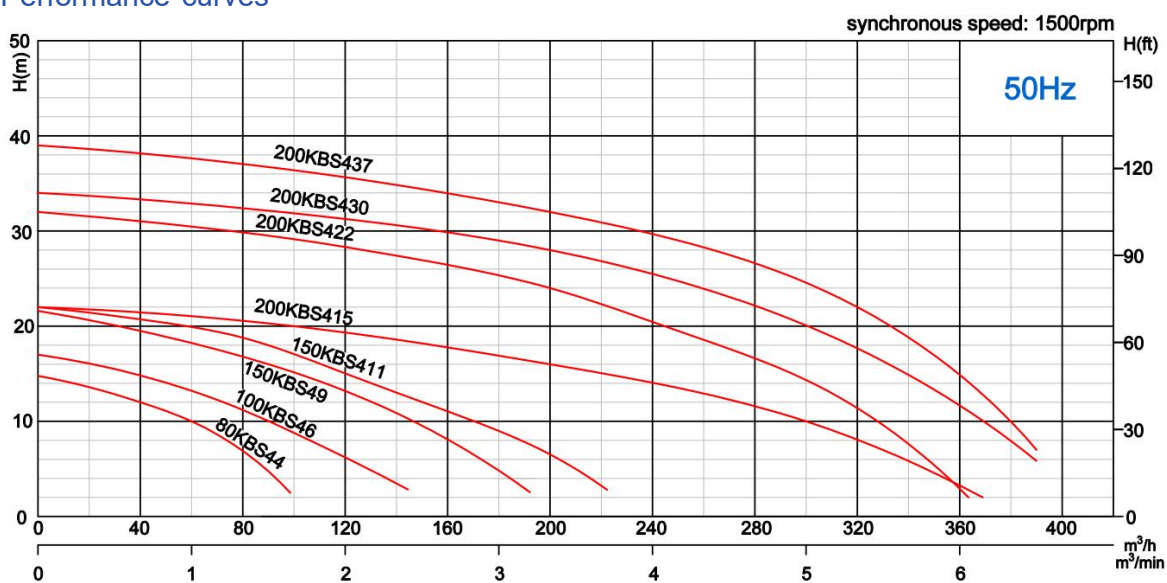
Materials of components

Item No.	Part name	Material	Item No.	Part name	Material
01	Hose coupling	Cast iron	27	Stator	
02	Handle	Steel	28	Rotor	Shaft: AISI420SS
05	Upper cover	Cast iron	31a	Bearing	Ball bearing
07	Bearing house	Cast iron	31b	Bearing	
11	Motor body	Cast iron	33	Motor protector	4~11kW
13	Pump body	Cast iron	34	Mechanical seal	
14a	Impeller	High chrome alloy	35	Oil seal	
14b	Agitator	High chrome alloy	47	Cable	
16a	Inlet plate	High chrome alloy	S1/2	Overheat protector : 15~37kW	
16b	Inlet plate	Cast iron	S3	Oil water leakage probe : on option (only for pumps ≥22kW)	
25	strainer	Steel			

Dimensions & weights

Model (50/60Hz)	d mm	A mm	A1 mm	B mm	B1 mm	D mm	H mm	H1 mm	W1 mm	N.W Kg	G.W Kg	Packing dimension mm
80KBS44	80	366	270	802	680	340	765	700	250	108.5	119	855x385x395
100KBS46	100	420	308	844	683	378	768	720	250	141	151	880x450x455
150KBS49	150	434	324	889	727	407	813	735	250	171	183	940x470x475
150KBS411	150	434	324	926	765	407	850	802	250	197	210	980x465x465
200KBS415	200	484	352	1121	890	457	1025	935	295	260	290	1285x570x705
200KBS422	200	575	442	1243	1011	528	1200	1040	330	408	458	1455x660x765
200KBS430	200	622	469	1378	1147	543	1345	1198	432	510	560	1565x700x775
200KBS437	200	622	469	1378	1147	543	1345	1198	432	535	585	1565x700x775

Performance curves



Performance table

Model (50/60Hz)	Outlet mm	Motor power		Starting method	Rated current (380V) A	Rated capacity		Rated head m	Max capacity		Max head m	Impeller passage mm
		KW	HP			m³/h	m³/min		m³/h	m³/min		
80KBS44	50	1.5	2		3.5	15	0.25	15	27	0.45	22	8.5
100KBS46	80	1.5	2		3.5	30	0.50	8	40	0.67	14.5	8.5
150KBS49	50	2.2	3		5.0	18	0.30	20	33	0.55	26	8.5
150KBS411	80	2.2	3		5.0	36	0.60	11	55	0.92	19	8.5
200KBS415	50	3.7	5		7.7	12	0.20	30	33	0.55	34	8.5
200KBS422	80	3.7	5		7.7	30	0.50	20	55	0.92	29	8.5
200KBS430	100	3.7	5		7.7	60	1.00	11.5	90	1.50	18.5	8.5
200KBS437	80	5.5	7.5		11.4	36	0.60	25	75	1.25	34	8.5