

EBS series is 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. Slim pump body with a top discharge design enables pump installation in narrow spaces. The pump is also designed for pumping bentonite mixed water in foundation works or muddy water in civil engineer works.



Specification

- Capacity: up to 1,716 GPM
- Head: up to 128 FT
- Discharge: 80mm(3") to 200mm(8")
- Power: 4kW (5.5HP) to 37kW (50HP)
- Power Supply: 3 phase 400V $\pm 10\%$, 50Hz

460V $\pm 10\%$, 60Hz

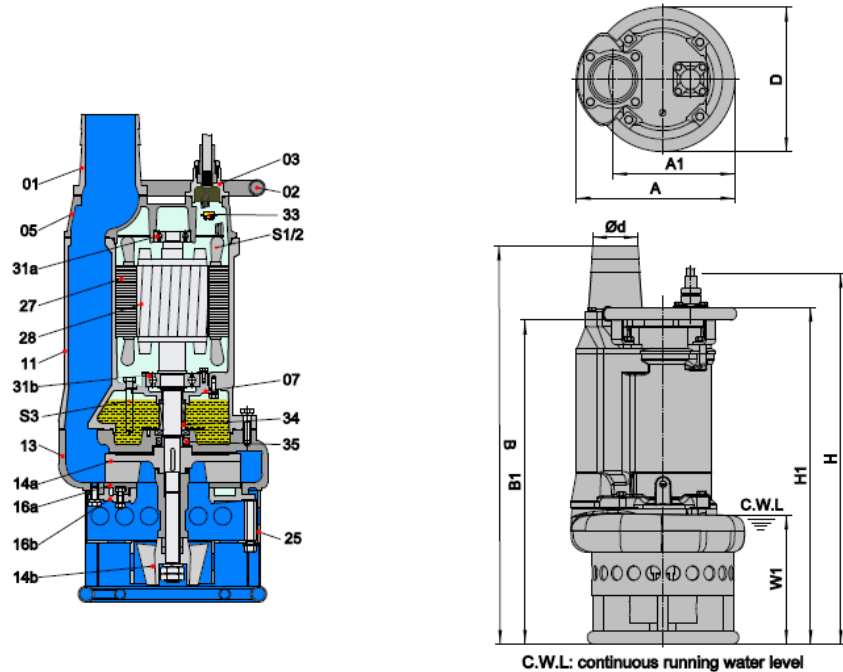
- Insulation class: F
- Protection class: IP68
- Cable length: 26 ft
- Water temperature: up to 104 °F
- Max water depth: 49 ft

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
- Cable length is adjustable

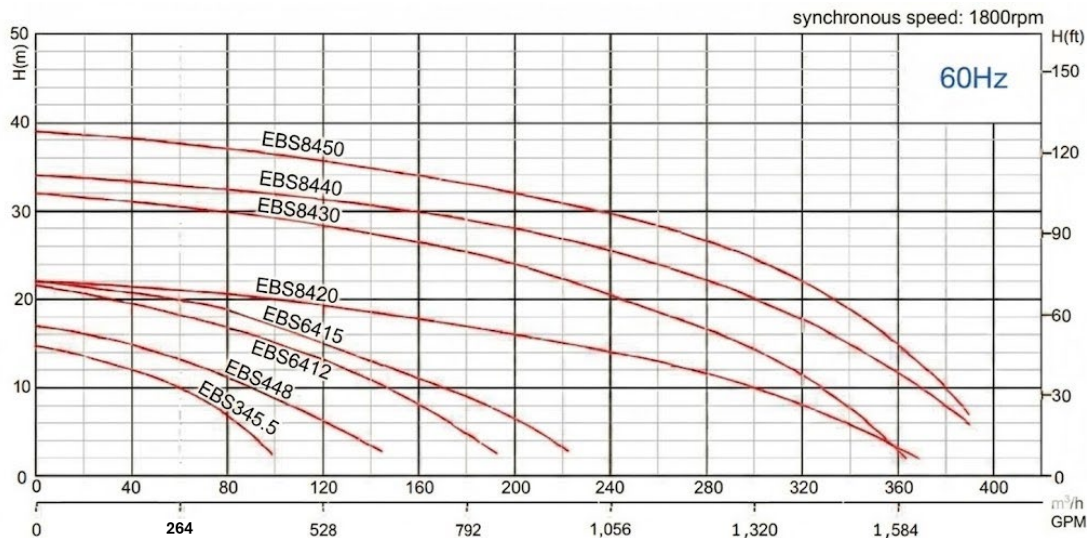


Materials of components

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	d	A	A1	B	D	H	H1	W1	N.W	G.W.	Packing dimensions mm
	mm	mm	mm	mm	mm	mm	mm	mm	Kg	Kg	
EBS345.5	80	366	270	802	340	765	700	250	108.5	119	855X385X395
EBS448	100	420	308	844	378	768	720	250	141	151	880X450X455
EBS6412	150	434	324	889	407	813	735	250	171	183	940X470X475
EBS6415	150	434	324	926	407	850	802	250	197	210	980X465X465
EBS8420	200	484	352	1121	457	1025	935	295	260	290	1285X570X705
EBS8430	200	575	442	1243	528	1200	1040	330	408	458	1455X660X765
EBS8440	200	622	469	1378	543	1345	1198	432	510	560	1565X700X775
EBS8450	200	622	469	1378	543	1345	1198	432	535	585	1565X700X775



PERFORMANCE TABLE

Model	Outlet		Motor Power		Rated current (460) A	Rate capacity		Rated head m	Rated head ft	max capacity		max head m	Impeller passage mm
	mm	inch	kW	HP		m ³ /h	GPM			m ³ /h	GPM		
EBS345.5	80	3	4	5.5	8.4	60	264	10	32.8	99	435.6	14.8	30
EBS448	100	4	6	8	11.4	90	396	10	32.8	144	633.6	16.9	30
EBS6412	150	6	9	12	16.1	100	440	15	49.2	192	844.8	21.5	30
EBS6415	150	6	11	15	18.2	120	528	15	49.2	234	1029.6	22	30
EBS8420	200	8	15	20	24.9	200	880	16	52.5	372	1636.8	22	30
EBS8430	200	8	22	30	34.7	200	880	24	78.7	360	1584	32	30
EBS8440	200	8	30	40	47.6	200	880	28	91.8	390	1716	34	30
EBS8450	200	8	37	50	57.7	200	880	32	105.0	390	1716	39	30