KBS

Submersible Slurry Pump







Application

- Civil engineering
- Mines, quarries, Coal ore & slurries
- Sewage treatment plants
- General pumping purposes
- Pumping fluid: sludge, liquids containing mud and bentonite

Pump

- Max. liquid temperature: +40℃
- Flow: up to 192 m^3/h
- Head: up to 21.5 m
- Power: 4 kW (5.5 HP) to 9 kW (12 HP)
- Max. Immersion depth: 25 m
- Cable Length: 8 m

Motor

- Copper winding
- Insulation class: B
- Enclosures class: IP68

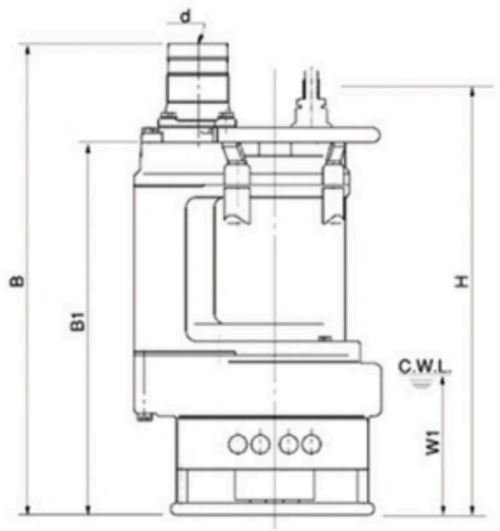
Identification Codes

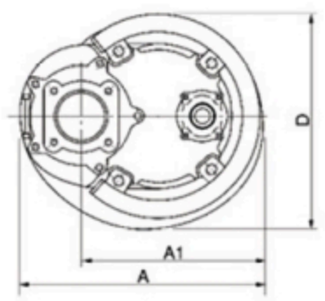
80 KBS 4 4

- 4 — Power (kW)
- 4 — Motor Pole
- KBS — Submersible Slurry Pump
- 80 — Outlet Diameter (mm)

Technical Data

Model	Power		Diameter	Max. flow		Max. head	Max. Solid Dia
	kW	HP	mm	m^3/h	l/min	m	mm
80KBS44	4	5.5	80	99	1650	14.8	30
100KBS46	6	8	100	144	2400	16.9	30
150KBS49	9	12	150	192	3200	21.5	30

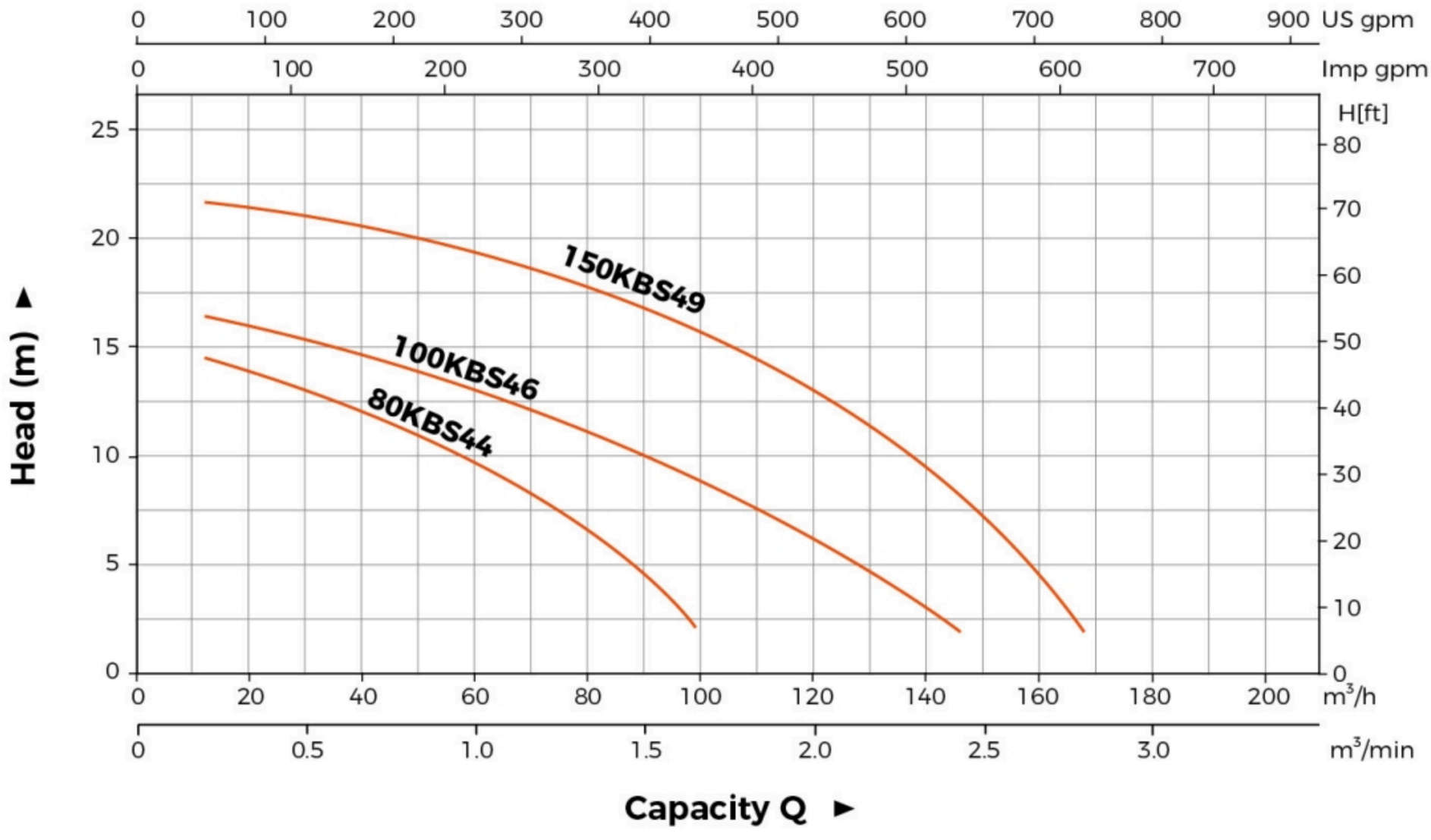




Dimension

Model	d (mm)	A (mm)	A1 (mm)	B (mm)	B1 (mm)	D (mm)	H (mm)	W1 (mm)
80KBS44	80	366	270	802	680	340	765	250
100KBS46	100	420	308	844	683	378	768	250
150KBS49	150	434	324	889	727	407	813	250

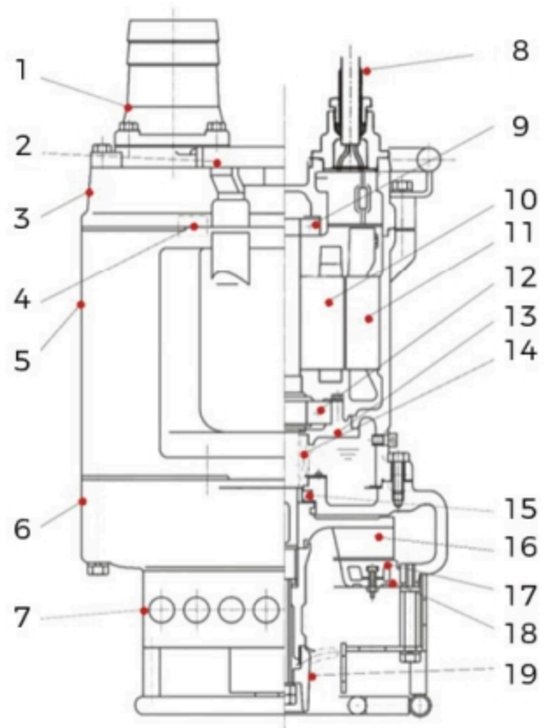
Hydraulic Performance Curves



Material Table

No.	Part	Material
1	Hose coupling	Cast iron
2	Handle	Steel
3	Upper cover	Cast iron
4	Motor protector	
5	Motor body	Cast iron
6	Pump body	Cast iron
7	Strainer	Steel
8	Cable	
9	Bearing	
10	Rotor	

No.	Part	Material
11	Stator	
12	Bearing	
13	Bearing house	Cast iron
14	Mechanical seal	Sic-Sic/Sic-Sic
15	Oil seal	
16	Impeller	High chrome alloy
17	Inlet plate	High chrome alloy
18	Inlet base	Cast iron
19	Agitator	High chrome alloy



Package Information

Model	N.W (kg)	GW (kg)	L (mm)	W (mm)	H (mm)	Quantity (PCS/20'TEU)
80KBS44	108.5	119	855	385	395	186
100KBS46	141	151	880	450	455	162
150KBS49	171	183	940	470	475	96