

Item No.	Part name	Material
01	Hose coupling	Ductile iron
03	Terminal box	Cast iron
05	Upper cover	Cast iron
07	Bearing house	Cast iron
10a	Seal bracket	Cast iron
10b	Seal bracket	Cast iron
11	Motor body	Cast iron
12	Outer casing	Steel
14	Impeller	High chrome alloy
15	Diffuser	Ductile iron
16a	Inlet plate	Ductile iron
16b	Inlet plate	Cast iron
24	Neck ring	High chrome alloy
25	Strainer	AISI304SS
27	Stator	
28	Rotor	Shaft: AISI420SS
31a	Bearing	Ball bearing
31b	Bearing	Ball bearing
34	Mechanical seal	Tc-Sic/Sic-Sic
35	Oil seal	
41	Shim	Cast iron
47	Cable	

W1: Continuous running water level

Model	H	W1	ØA	ØB	ØC	ØD	n-Ød
BSD422	1374	240	100	180	220	420	8-Ø17.5
BSD430	1374	240	100	180	220	420	8-Ø17.5
BSD622	1434	250	150	240	285	420	8-Ø22
BSD630	1434	250	150	240	285	420	8-Ø22
BSD637	1424	180	150	240	285	530	8-Ø22
BSD645	1424	180	150	240	285	530	8-Ø22
BSD837	1474	180	200	295	340	530	12-Ø22
BSD845	1474	180	200	295	340	530	12-Ø22

Model	Outlet	Motor power		Rated capacity		Rated head	Max capacity		Max head	Impeller passage	N.W.	G.W.	Packing dimension
	mm	kW	HP	m <sup>3</sup> /h	m <sup>3</sup> /min	m	m <sup>3</sup> /h	m <sup>3</sup> /min	m	mm	Kg	Kg	mm
BSD422	100	22	30	66	1.1	60	130	2.17	68	6	365	408	620x740x1540
BSD430	100	30	40	72	1.2	70	170	2.83	78	6	370	413	620x740x1540
BSD622	150	22	30	120	2.0	37	200	3.33	50	15	375	420	620x740x1600
BSD630	150	30	40	140	2.33	45	220	3.67	56	15	380	425	620x740x1600
BSD637	150	37	50	60	1.0	80	200	3.33	88	6	555	610	620x740x1600
BSD645	150	37	50	84	1.4	80	220	3.67	90	6	555	610	620x740x1600
BSD837	200	45	60	216	3.6	35	330	5.5	48	20	570	620	620x740x1650
BSD845	200	45	60	270	4.5	35	372	6.2	53	20	570	620	620x740x1650

## IMPORTANT FEATURES

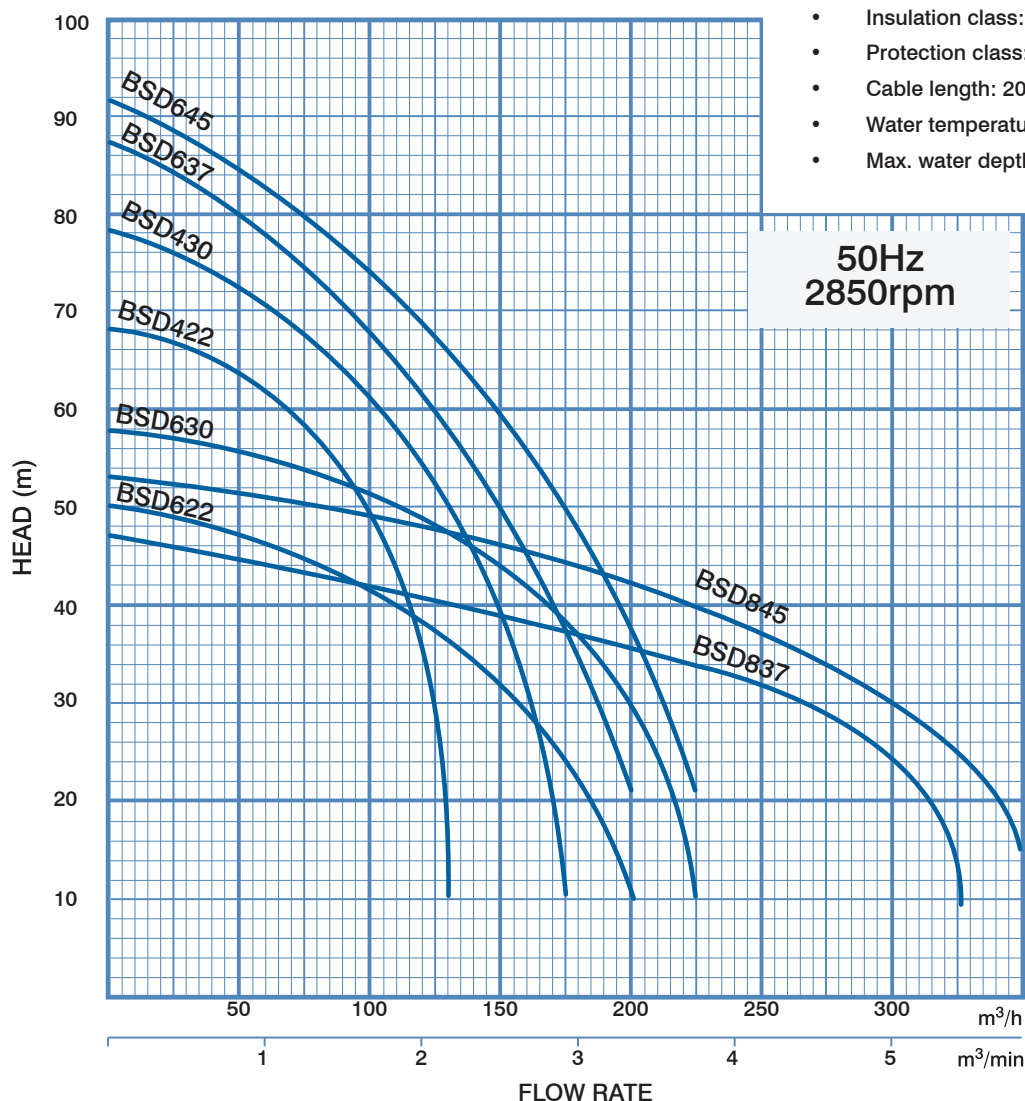
- LARGE pumps - high head AND high flow rate
- Materials of construction promote durability
- Built-in safety features - hydraulic part under the motor
- Top outlet reduces space requirements
- Hermetically sealed motor
- Discharge 100mm to 200mm
- Motor 22kW (30HP) to 45kW (60HP) - available in 400V and 525V
- Motor is dry type submersible

## APPLICATION

- Deep-well pre-dewatering or high-head dewatering
- Civil engineering and construction works
- Mines, quarries, coal ore and slurries
- Sewage treatment plants
- General pumping purposes

## SPECIFICATION

- Capacity: up to 372m<sup>3</sup>/h
- Head: up to 90 meters
- Power 22kW (30HP) to 45kW (60HP)
- Supply voltage: Three Phase 400V ±10%, 50Hz, 60Hz
- Insulation class: F
- Protection class: IP68
- Cable length: 20m
- Water temperature: up to 40°C
- Max. water depth: 30m



**EASY | COST-EFFECTIVE | RELIABLE**

### Pump and Abrasion Technologies (Pty) Ltd.

Reg. No.: 2013/114441/07

299 Barolong Street, Icon Industrial Park, Sunderland Ridge, Centurion

P.O. Box 54767, Wierda Park, 0149, Centurion, South Africa

Tel: +27 12 666-0904/5 | Fax: +27 86 617 9407

Email: sales@pumpab.co.za

Website: www.pumpandabrasion.co.za

### Rustenburg Branch

Unit 3, River Industrial Park, Tiger Fish Street, Waterfall East Ext. 5

Tel: 014 592 6231

Email: rustenburg@pumpab.co.za

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TECHNOLOGIES

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