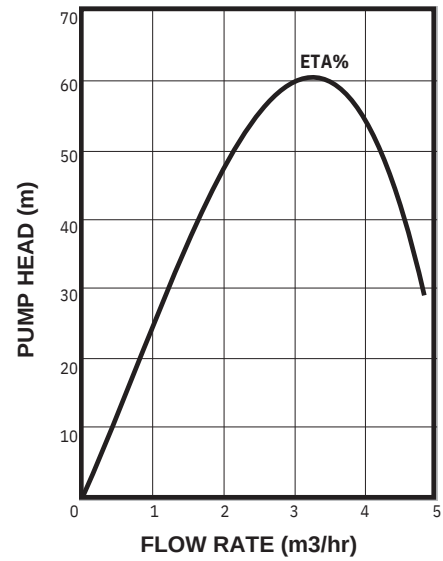
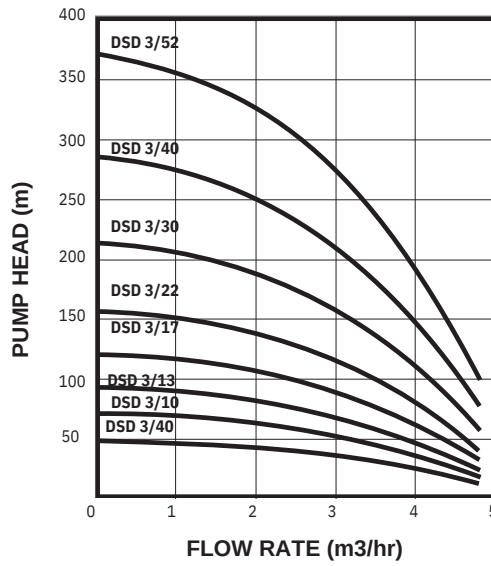


DSD3

Submersible Borehole Pump

Performance Curves



DAYLIFF DSD range of submersible multistage centrifugal pumps are specially designed for water supply from wells and boreholes. Material of construction include polycarbonate impellers and diffusers, AISI 201 stainless steel delivery and suction chambers and AISI 304 stainless steel pump housing, shaft and shaft coupling. These corrosion resistant materials together with the advanced hydraulic design provide the pumps with excellent sand handling capabilities for a longer life and operational efficiency. DSD 3/7, 3/10, 3/13 and 3/18 are supplied complete with 30m cable and control box.

MOTOR

The pump is coupled to a sealed liquid cooled 2-pole asynchronous squirrel-cage motor constructed of stainless steel. Single phase motors should be supplied with purpose designed Dayliff SCM control boxes for operation and protection against overload, dry running and over/under voltage. Three phase motors require a remote DOL starter; A DAYLIFF SCT electronic Pump Controller is recommended for comprehensive pump control including low level, motor overload and irregular power supply protection.

Enclosure Class: IP68 **Insulation Class:** B **Speed:** 2850rpm

PUMP KITS

Pump Kits are available for the indicated*models including pump, quick connection fittings, cast aluminium well head cover, Safety rope and Dayliff SCM/SCT Controller.

DSD 3/13 Kit is supplied with 80m cable, DSD3/30 Kit with 135m for single phase and 150m for three phase.

OPERATING CONDITIONS

Pumped liquid: Thin, clean, chemically non-aggressive liquids with a maximum particle size of 2.3mm

Max. Water temperature: +35°C

Max. immersion depth: 150m

Min. borehole diameter: 110m

Technical Data

Model	Motor		Current (A)	Istart I	Weight (kg)	Dimensions (mm)	
	kW	HP				D	H
DSD 3/7	0.37	0.5	4	4	10	405	709
DSD 3/10	0.55	1.0	5		11	482	801
DSD 3/13*	0.75	1.0	6		13	559	908
DSD 3/17	1.1	1.5	9		15	661	1050
DSD 3/22	1.5	2	11		19	821	1260
DSD 3/30	2.2	3	16		25	1080	1594
DSD 3/40	3	4	8	7	23	1385	1939
DSD 3/52*	4	5.5	11	7	30	1745	2374

