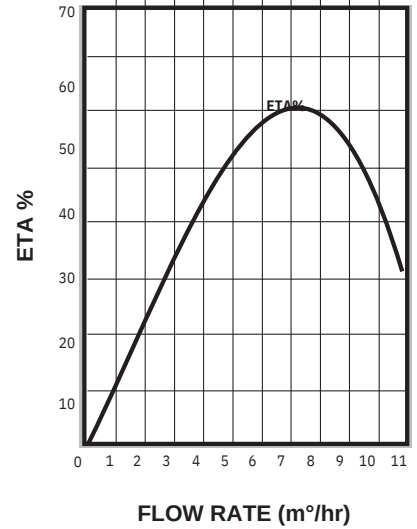
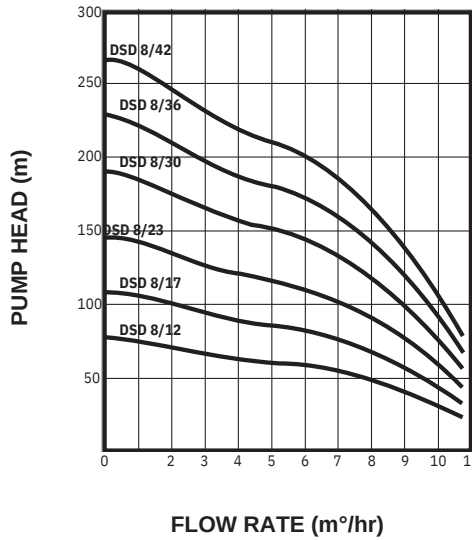


DSD8 Submersible Borehole Pump

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. DSD8/12 is supplied complete with 30m cable and a 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: 2900rpm

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. The kit is provided with 90m waterproof power cable for both single phase and three phase pumps.

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)	I _{start}	Voltage (V)	Weight (kg)	Dimensions (mm)	
	kW	HP					A	D
DSD 8/12	1.5	2.0	11	4	1x240	18	662	1101
DSD 8/17*	2.2	3.0	16			21	876	1390
			6			21	1350	
DSD 8/23	3	4.0	8	7	3x415	28	1093	1647
DSD 8/30	4	5.5	11			33	1380	2009
DSD 8/36	5.5	7.5	14			40	1630	2349
DSD 8/42	7.5	10	15			48	1847	2686

