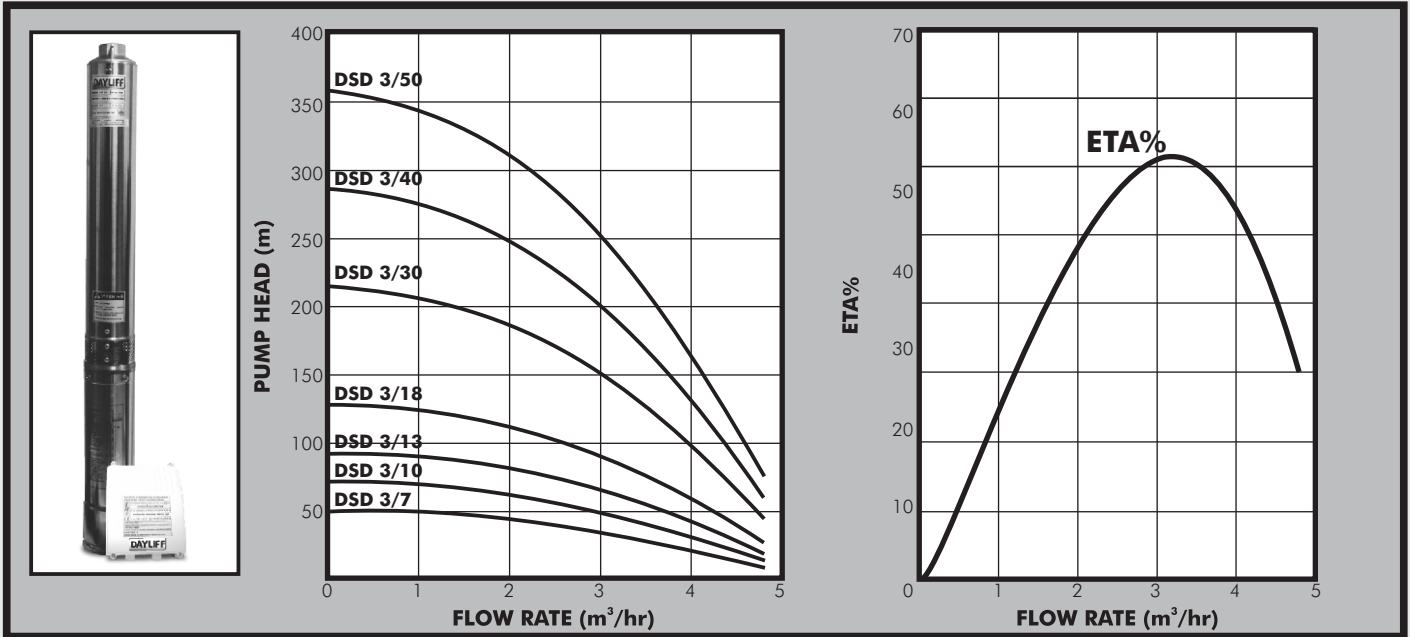




DSD3

Submersible Borehole Pumps



PUMP

Dayliff DSD range of Submersible Multistage centrifugal pumps are specially designed for domestic and small scale water supply from wells and boreholes. Material of construction include polycarbonate impellers and diffusers, cast iron delivery and suction chambers and AISI 304 stainless steel pump housing, shaft and shaft coupling. These quality materials together with the polycarbonate impellers provide the pumps with excellent sand handling capabilities for a longer life. 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

OPERATING CONDITIONS

Pumped liquid: Thin, clean, chemically non-aggressive liquids with a max. sand content of 0.25%

Max. Water temperature: +35°C

Max. immersion depth: 150m

Min. borehole diameter: 110mm

PUMP DATA

Model	Motor		Voltage (V)	Current (A)	Istart I	DN (")	Dimensions (mm)		Weight (kg)
	kW	HP					A	D	
DSD 3/7	0.37	0.5	1x240 V	3.7	4	1 1/4	410	717	10
DSD 3/10	0.55	0.75		4.7			517	861	12
DSD 3/13	0.75	1.0		6.2			568	920	14
DSD 3/18	1.1	1.5		8			673	1065	17
DSD 3/30	2.2	3	3x415 V	15	7	1047	1564	27	
DSD 3/40	3	4		6			1588	25	
DSD 3/50	4	5.5		8			1341	1923	32
				10			1604	2261	38

