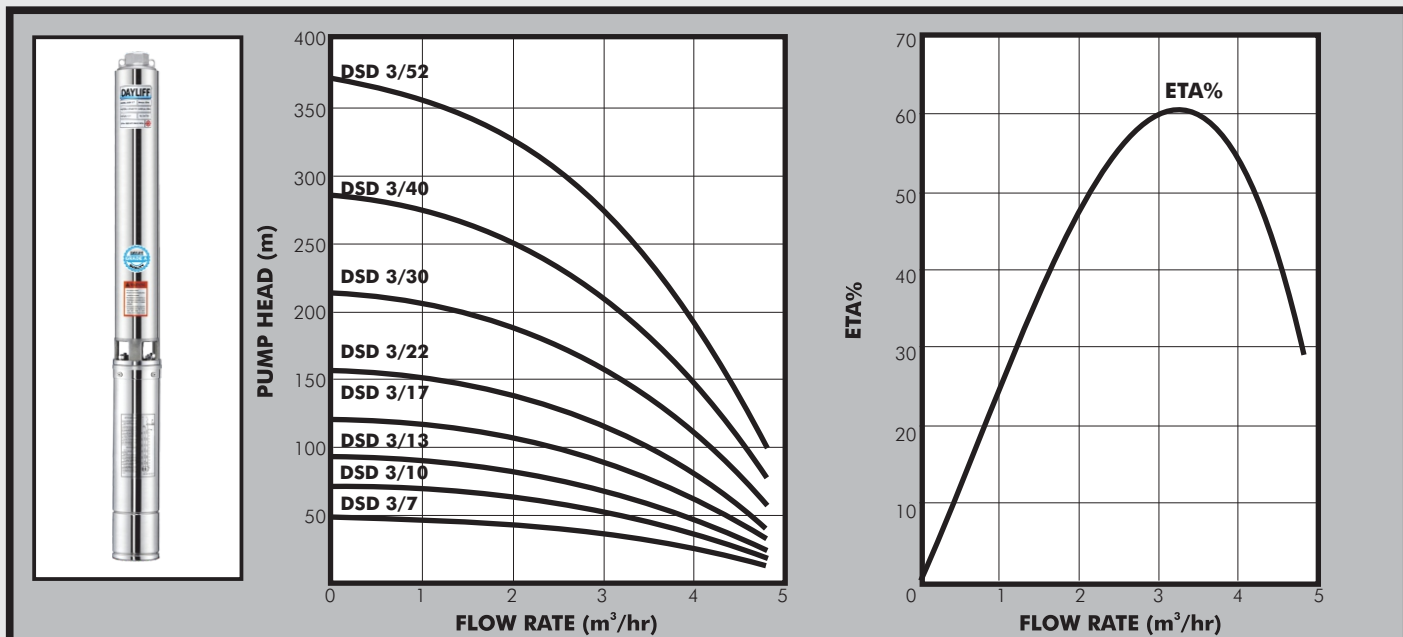




# DSD3

## Submersible Borehole Pumps



### PUMP

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 Controllor.

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:** 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	4	4	1 1/4	405	709	10
DSD 3/10	0.55	0.75		5			482	801	11
DSD 3/13*	0.75	1.0		6			559	908	13
DSD 3/17	1.1	1.5		9			661	1050	15
DSD 3/22	1.5	2		11			821	1260	19
DSD 3/30*	2.2	3		16			1080	1594	25
			3x415	6	7			1554	23
DSD 3/40	3	4		8			1385	1939	30
DSD 3/52	4	5.5		11			1745	2374	36

