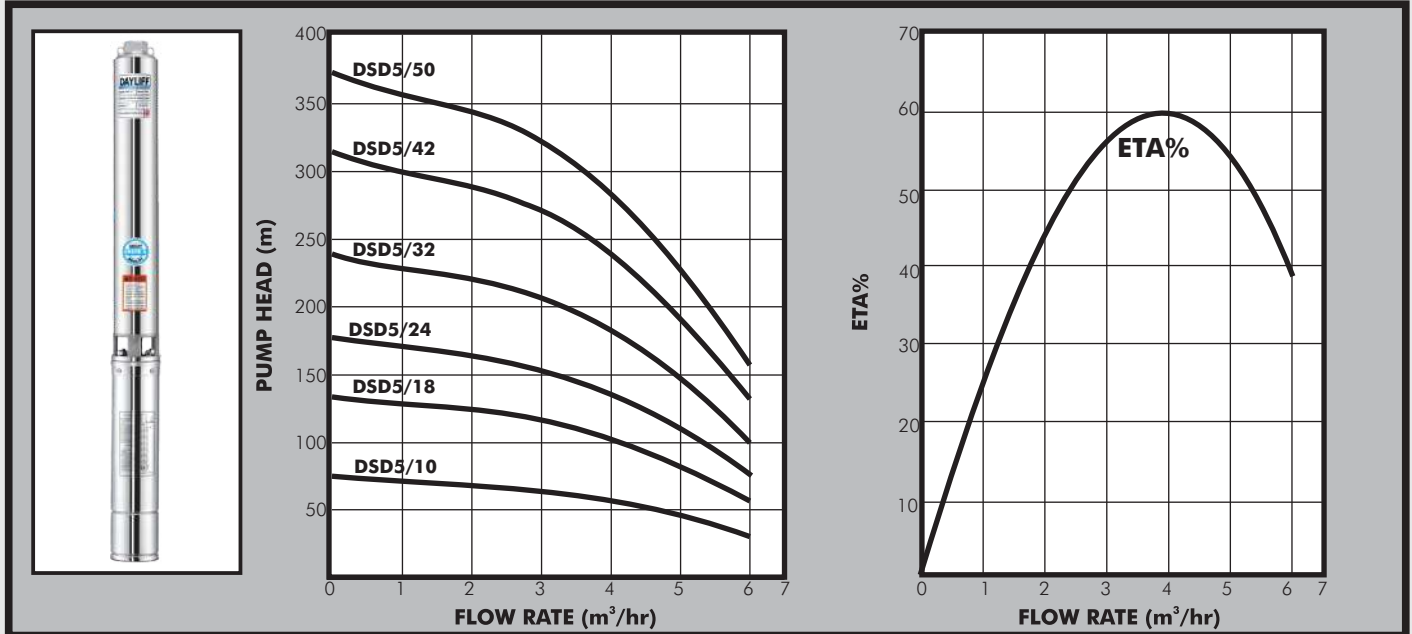




# DSD5

## 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 5/10 and 5/18 are provided 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. DSD5/18 Kit is supplied with 80m cable and DSD5/24 with 100m for both single 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:** 110mm

### PUMP DATA

Model	Motor		Voltage (V)	Current (A)	Istart I	DN (")	Dimensions (mm)		Weight (kg)
	kW	HP					A	D	
DSD 5/10	0.75	1.0	1x240	6	4	1 1/4	507	856	13
DSD 5/18*	1.5	2.0		11			763	1202	19
DSD 5/24*	2.2	3.0		16			932	1446	24
			6	932	1406		22		
DSD 5/32	3.0	4.0	3x415	8	7		1246	1800	29
DSD 5/42	4.0	5.5		11			1576	2205	35
DSD 5/50	5.5	7.5		14		1816	2535	42	

