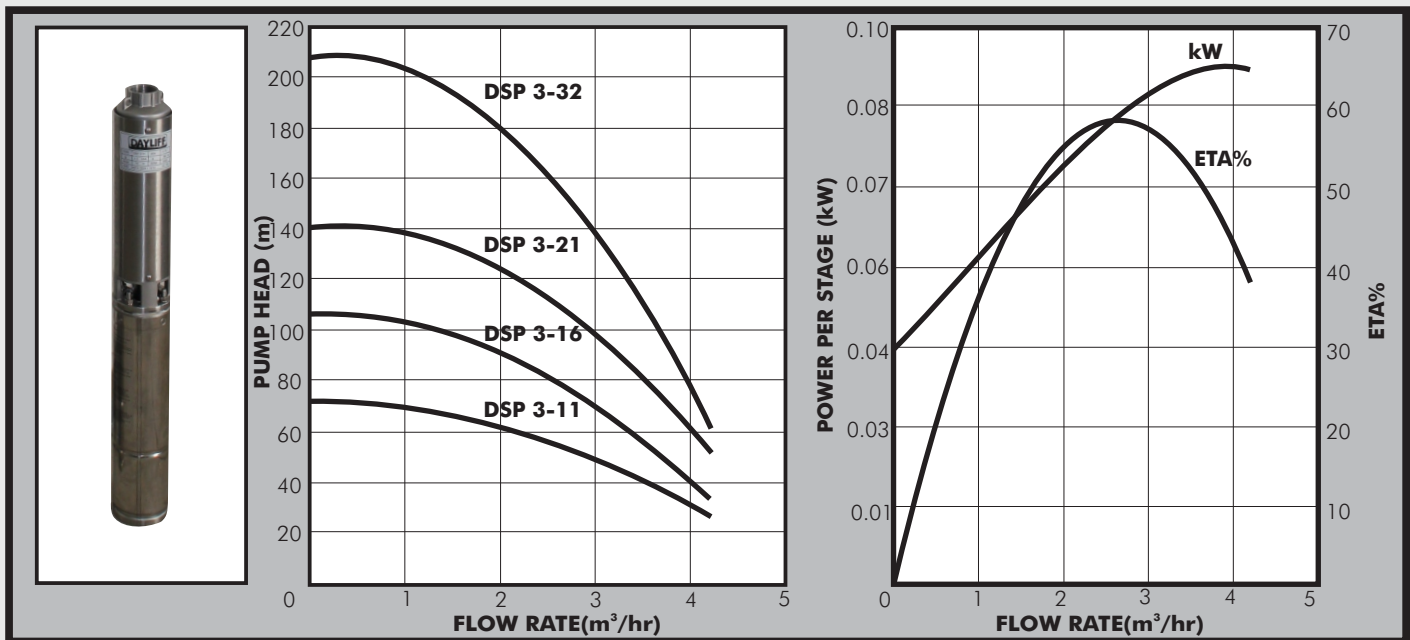




DSP 3

Submersible Borehole Pump



PUMP

The DAYLIFF DSP range of submersible multistage centrifugal pumps are specially designed for borehole supply applications. Material of construction include Noryl impellers, glass filled polycarbonate diffusers, stainless steel inlet and outlet chambers, stage casings, shaft and pump housing. These quality materials together with the floating type impeller design provide the pumps with efficient performance, excellent sand handling capabilities and long life.

MOTOR

The pump is coupled to a two pole sealed motor constructed principally from stainless steel. Single phase motors are supplied with a separate control unit that incorporates an isolator, run indicator light, thermal overload protection and starting capacitor which can be connected directly to the mains power. The box is also provided with auxiliary terminals for control probes, pressure switch or float switch. Three phase motors require a remote DOL starter; DAYLIFF SCM/SCT electronic pump controllers are recommended for comprehensive pump control including wireless low level protection, motor overload and voltage fluctuation.

Enclosure Class: IP68

Insulation Class: F

Speed: 2900rpm

OPERATING CONDITIONS

Pumped liquid: Thin, clean, chemically non aggressive liquids with a max. sand content of 50g/m³.

Max. Water temperature: +35°C

Max. immersion depth: 200m

Min. borehole diameter: 110mm

PUMP DATA

Model	Voltage (V)	Motor		Current (A)	Istat	DN (")	Dimensions (mm)			Weight (kg)
		kW	HP		I		A	C	D	
DSP 3-11	1x240	0.75	1	4.3	4.7	1¼	342	98	722	21
	3x415			2.3	3.9				707	20
DSP 3-16	1x240	1.1	1.5	8.1	4.0		430		835	24
	3x415			3.1	3.9				810	22
DSP 3-21	1x240	1.5	2	10.4	3.7		519		959	28
	3x415			4	3.5				924	25
DSP 3-32	1x240	2.2	3	15	3.1		749		1244	35
	3x415			5.6	3.9				1189	30

