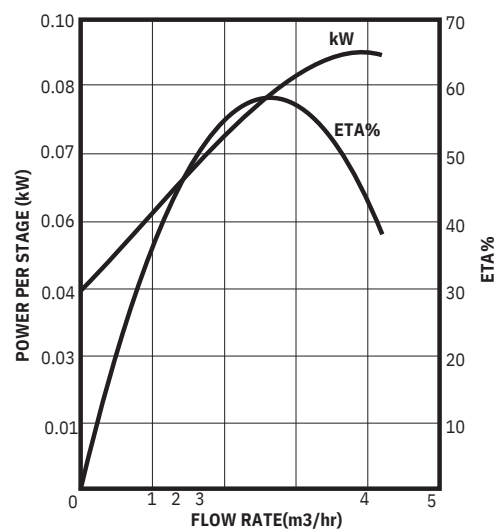
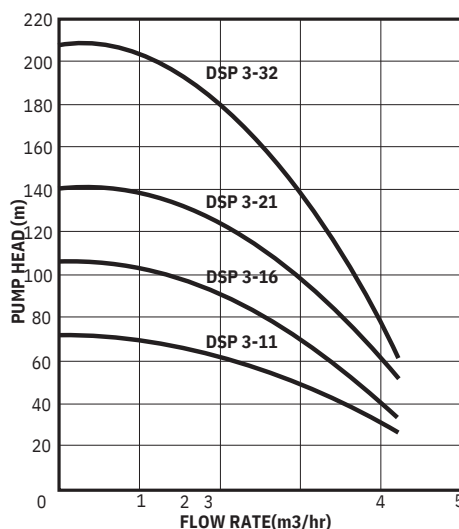


DSP3 Submersible Borehole Pump

Performance Curves



Typical Applications

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

Technical Data

Model	Motor		Current (A)	I _{start} I	Weight (kg)	Voltage (V)	Dimensions (mm)		
	kW	HP					A	D	C
DSP 3-11	0.75	1	4.3	4.7	21	1x240	342	722	98
			2.3	3.9	20	3x415		707	
DSP 3-16	1.1	1.5	8.1	4.0	24	1x240	430	835	
			3.1	3.9	22	3x415		810	
DSP 3-21	1.5	2	10.4	3.7	28	1x240	519	959	
			4	3.5	25	3x415		924	
DSP 3-32	2.2	3	15	3.1	35	1x240	749	1124	
			5.6	3.9	30	3x415		1189	

