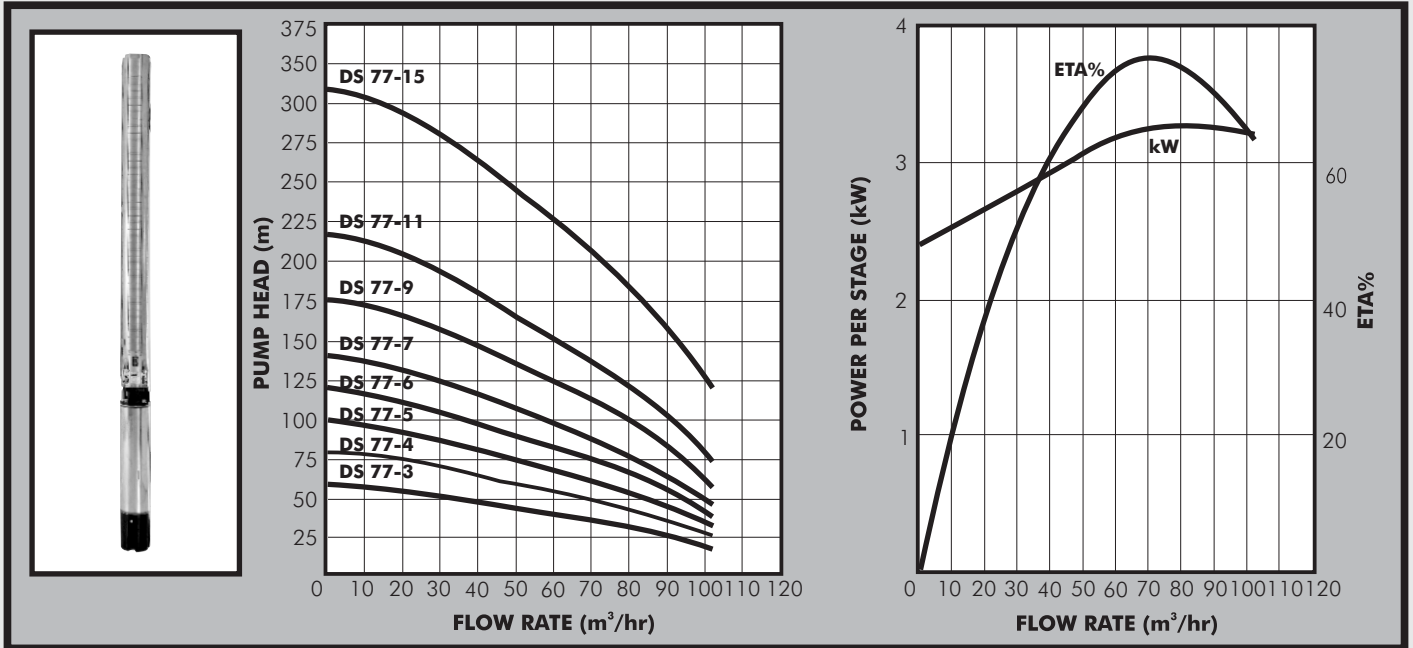




DS 77

Multistage Centrifugal Borehole Pumps



PUMP

DAYLIFF DS submersible pumps are designed specifically for borehole supply applications. They are of multistage centrifugal impeller design and all parts are made from premium AISIS304 stainless steel with water lubricated rubber bearings. A submersible motor is fitted beneath the pump and suction is effected through a strainer between the pump and motor.

MOTOR

The pump is coupled to a sealed liquid cooled 2-pole asynchronous squirrel cage motor constructed from stainless steel. The motor requires a remote starter and if unstable supply voltage is likely, an additional quick tripping control relay is recommended. Note that due to low starting torques of submersible motors, it is recommended that DOL starters are used. 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:** F **Volatge:** 3x415V **Speed:** 2900rpm

OPERATING CONDITIONS

Pumped Liquid: Thin, clean chemically non-aggressive liquids without solid particles or fibres.

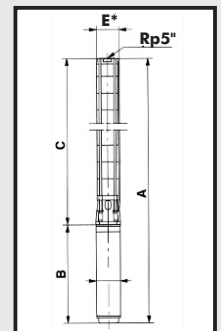
Max. Liquid Temperature: DS wet end -50°C

Max. Water Depth: 300m

Min. Borehole Diameter: 200mm-6"
254mm-8"

PUMP DATA

Model	Motor Size (")	Motor		Full Load Current (A)	I start I	Dimensions (mm)				Weight (Kg)
		kW	HP			A	B	C	E*	
DS 77-3	6	11	15	24.2	4.8	1604	730	874	178	92
DS 77-4		15	20	32	5	1788	785	1003		113
DS 77-5		18.5	25	40	5.5	1991	860	1131		119
DS 77-6		22	30	47	5.1	2179	920	1259		138
DS 77-7		26	35	56.5	5.1	2500	1157	1387		181
DS 77-9		30	40	64	5.7	2694	1050	1644		200
DS 77-11		37	50	78.5	3.7	3080	1180	1900		217
DS 77-15		8	55	75	114	5.9	3400	1350		2424



E* = Maximum diameter of the pump inclusive of cable guard and motor