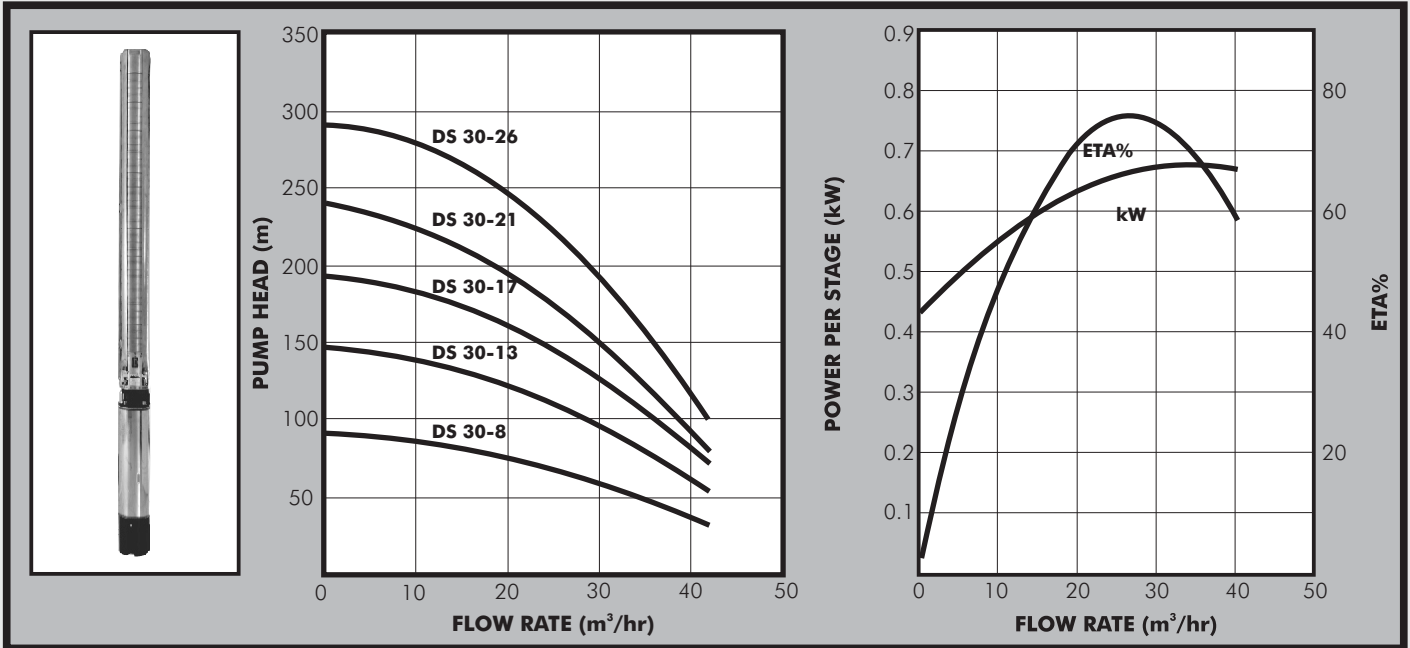




DS 30

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 AISI304 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

Voltage: 3X415V

Speed: 2900rpm

OPERATING CONDITIONS

Pumped liquid: Thin, chemically non-aggressive without solid particles or fibres

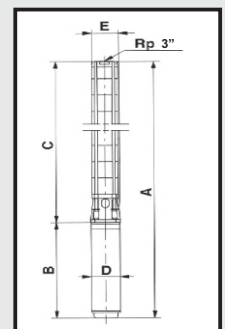
Max. Liquid Temperature: DS wet end-50°C

Max. Water Depth: 300m

Min. Borehole Diameter: 200mm

PUMP DATA

Model	Motor		Full Load Current (A)	I _{start} I	Dimensions (mm)				Weight (kg)
	kW	HP			A	B	C	E*	
DS 30-8	7.5	10	18.9	5	1816	660	1038	142	49
DS 30-13	11	15	24.2	4.8	2248	730	1518		80
DS 30-17	15	20	32	5	2687	785	1902		93
DS 30-21	18.5	25	40	5.2	3146	860	2286		107
DS 30-26	22	30	47	5.1	3686	920	2766		122



*E= Maximum diameter of the pump with one motor cable