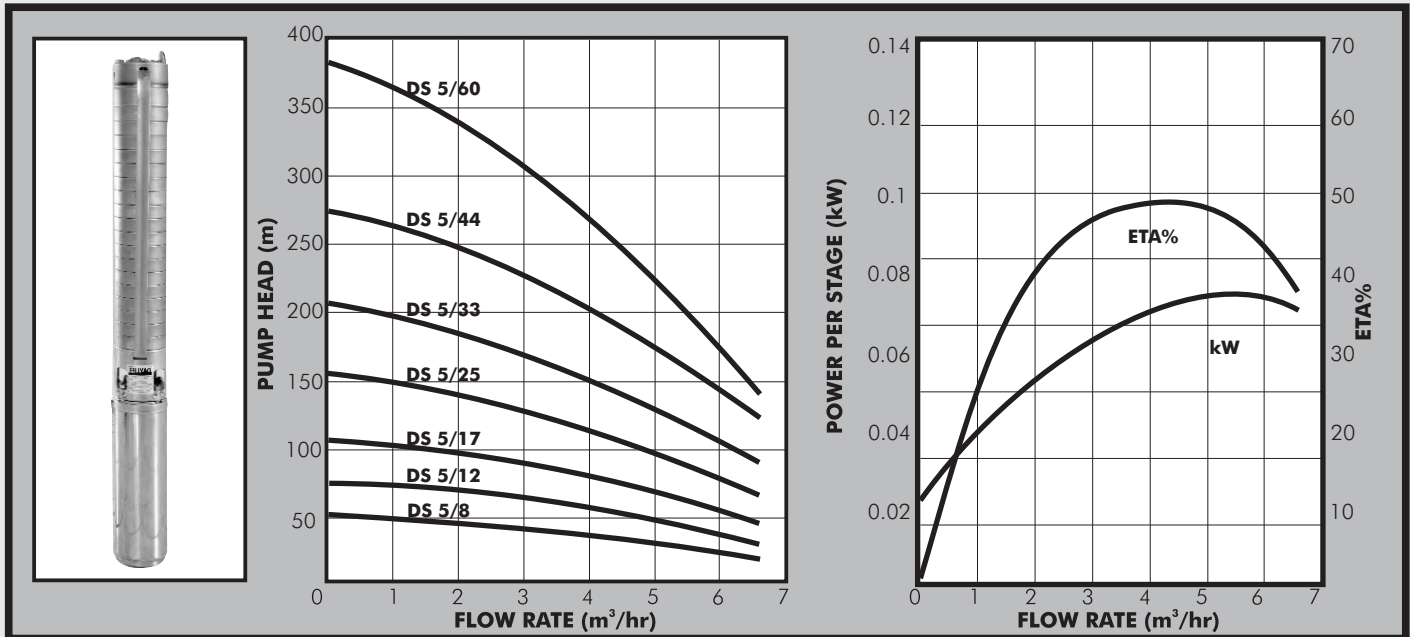




DS 5

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 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: F

Speed: 2900 rpm

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-6", 200m-4"

Minimum Borehole Diameter: 110mm

PUMP DATA

Model	Motor		Full Load Current (A)		Start Current (A)		Dimensions (mm)				Weight (kg)	
							C	B		A		
	kW	HP	1x240V	3x415V	1x240V	3x415V		1x240V	3x415V			
DS 5/8	0.75	1.0	6.2		20		335	375		710		11.5
DS 5/12	1.1	1.5	8.1	3.1	32	16	419	395	375	814	794	13.2
DS 5/17	1.5	2.0	10.1	4.0	35	20	524	440	395	964	919	16
DS 5/25	2.2	3.0	15	5.6	45	22	692	558	440	1250	1132	21.8
DS 5/33	3.0	4.0		7.4		45	868		558		1426	27.2
DS 5/44	4.0	5.5		9.5		55	1099		614		1713	35.4
DS 5/60	5.5	7.5		13.7		70	1460		684		2144	60

