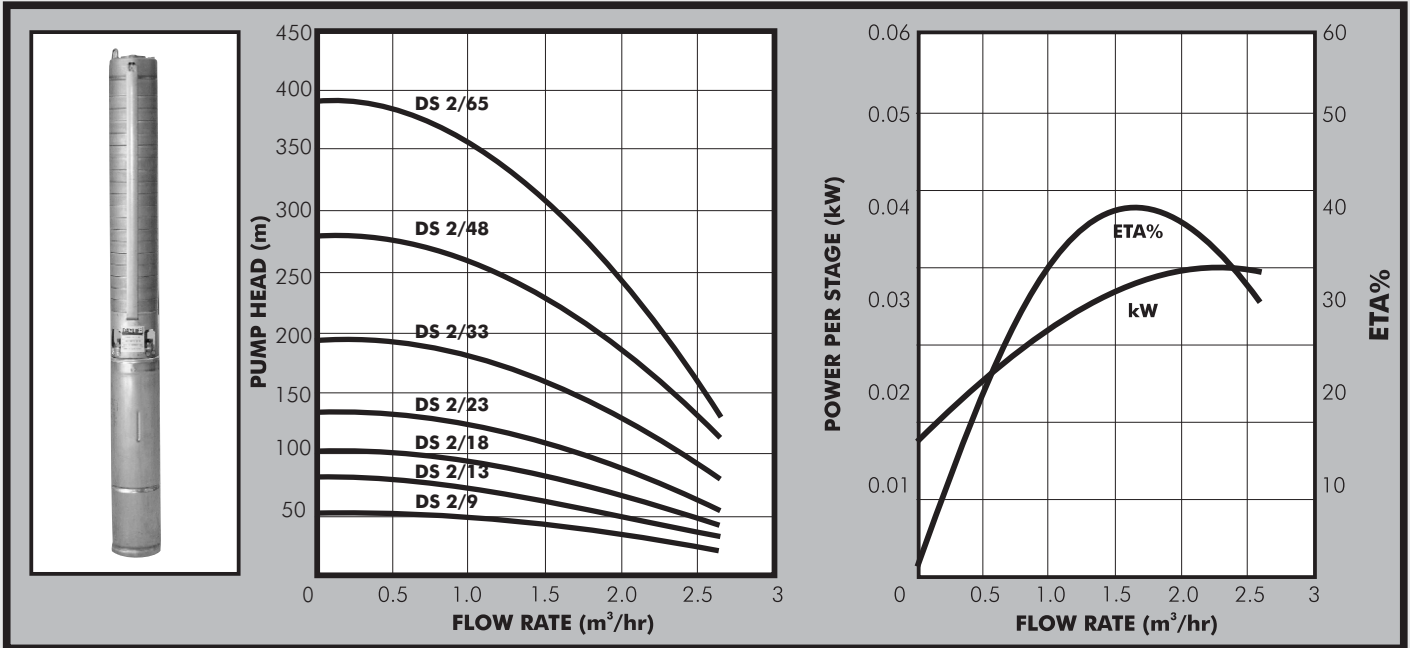




DS 2

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: 200m

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	1x240V	3x415V	1x240V	3x415V	
DS 2/9	0.37	0.5	3.7		9		356	325		681		9.5	
DS 2/13	0.55	0.75	5		15		440	365		805		12	
DS 2/18	0.75	1	6.2		20		545	375		920		13.4	
DS 2/23	1.1	1.5	8.1	3.1	32	16	650	395	375	1045	1025	15.3	14.4
DS 2/33	1.5	2	10.4	4.0	35	20	883	440	395	1323	1278	21.2	19.3
DS 2/48	2.2	3	15	5.6	45	33	1198	558	440	1756	1638	29.3	25
DS 2/65	3	4		7.4		45	1565		558		2123		41

