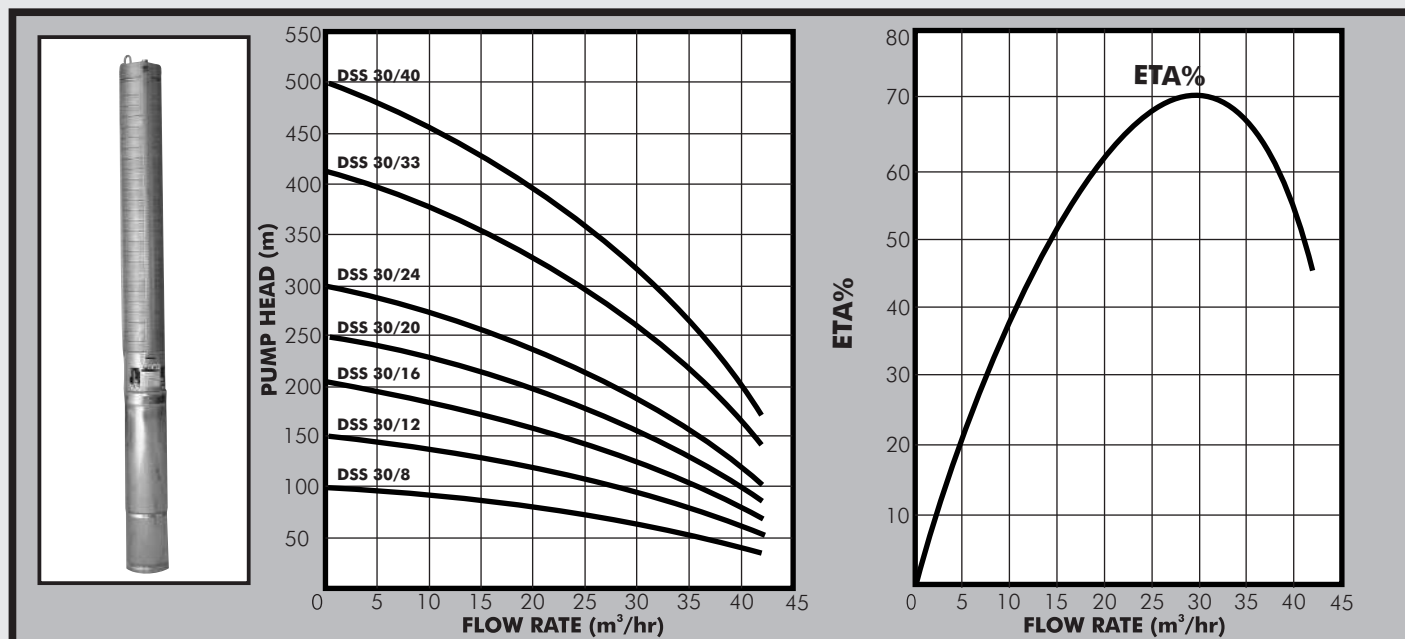




DSS30

Multistage Centrifugal Borehole Pump



PUMP

DAYLIFF DSS submersible pumps are designed specifically for borehole supply applications. They are of multistage centrifugal impeller design and all parts are made from the standard 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

Voltage: 3x415V

Speed: 2900 rpm

OPERATING CONDITIONS

Pumped Liquid: Thin, clean, chemically non-aggressive liquids with a maximum sand content of 0.25%

Max Liquid Temperature: +35°C

Max Water Depth: 200m-4", 300m-6"

Min Borehole Diameter: 110mm-4", 200mm-6"

PUMP DATA

Model	Motor		Current (A)	Istart I	DN (")	Dimensions (mm)			Weight (kg)
	kW	HP				ØD	M	P	
DSS 30/8	7.5	10	17	7	3	140	731	1038	72.2
DSS 30/12	11	15	25				861	1434	92.7
DSS 30/16	15	20	33	5			991	1818	115.8
DSS 30/20	18.5	25	44	7		145	1058	2202	107.0
DSS 30/24	22	30	54				1128	2586	125.8
DSS 30/33	30	40	62				1318	3450	162.9
DSS 30/40	37	50	82				1415	4122	195.1

