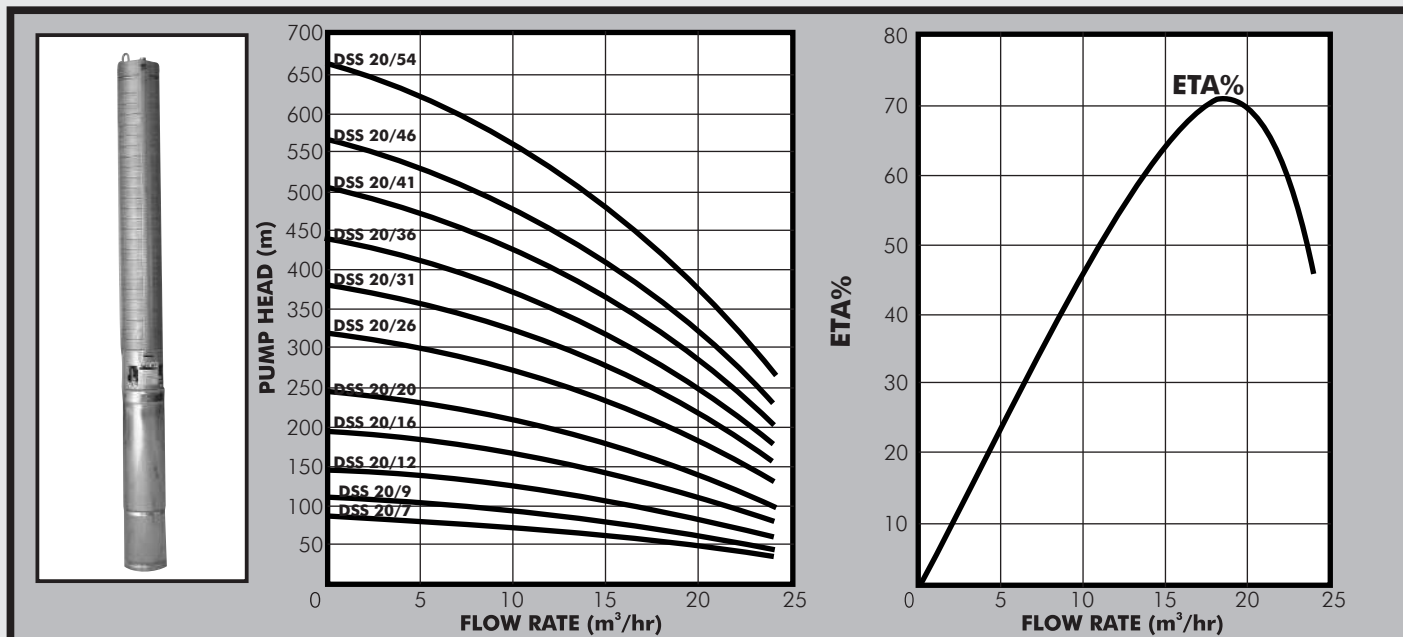




DSS20

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"

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

PUMP DATA

Model	Motor		Current (A)	Istart	DN (")	Dimensions (mm)			Weight (kg)
	kW	HP				ØD	M	P	
DSS 20/7	4	5.5	9.5	7	3	140	706	655	35.9
DSS 20/9	5.5	7.5	12.2				806	765	60.5
DSS 20/12	7.5	10	14.6				731	942	71.1
DSS 20/16	9.2	12.5	22.3				796	1162	82.2
DSS 20/20	11	15	25				861	1382	92.5
DSS 20/26	15	20	33				991	1712	114.9
DSS 20/31	18.5	25	44			145	1058	1987	104.3
DSS 20/36	22	30	54				1128	2262	121.2
DSS 20/41	26	35	58				1228	2537	146.1
DSS 20/46	30	40	62				1318	2812	161.4
DSS 20/54	37	50	82				1418	3252	181.1

