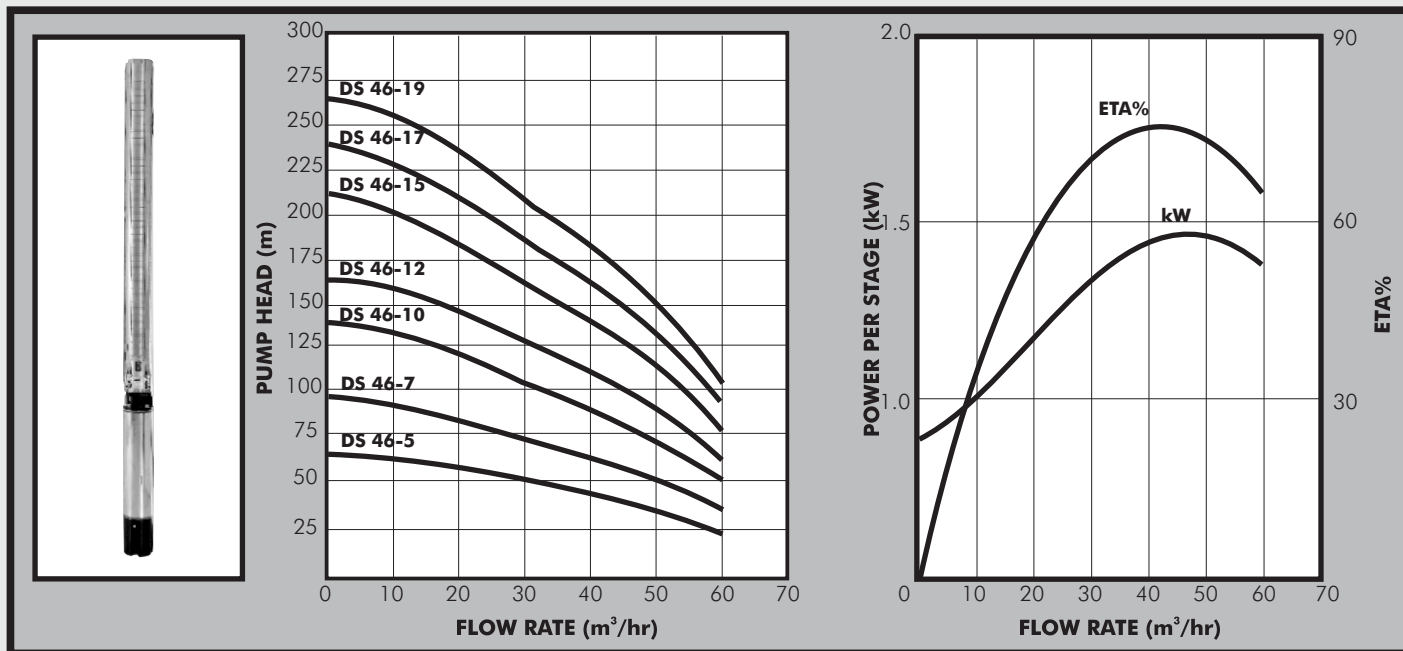




# DS 46

## 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, clean chemically non-aggressive liquids without solid particles or fibres.

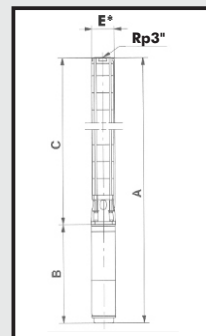
**Max. Liquid Temperature:** DS wet end -50°C

**Max. Water Depth:** 300m

**Min. Borehole Diameter:** 200m

### PUMP DATA

Model	Motor		Full Load Current (A)	I start I	Dimensions (mm)			E*	Weight (kg)
	kW	HP			A	B	C		
DS 46-5	7.5	10	18.9	5	1495	660	835	149	62
DS 46-7	11	15	24.2	4.8	1791	730	1061		74
DS 46-10	15	20	32	5.0	2185	785	1400		86
DS 46-12	18.5	25	40	5.5	2486	860	1626		99
DS 46-15	22	30	47	5.1	2885	920	1965		111
DS 46-17	26	35	58	4.9	3100	1157	2191		120
DS 46-19	30	40	64.1	4.7	3467	1050	2417		133



E\*=Maximum diameter of the pump inclusive of cable guard and motor