

Material Specification			
Pos	Components	Discharge	Std
1	Discharge	Stainless Steel	304
2	Diffuser	Stainless Steel	304
3	Impeller	Stainless Steel	304
4	Split Cone	Stainless Steel	304
5	Split Cone Nut	Carbon/Graphite/PTFE	
6	Stop Ring	Stainless Steel	304
7	Neck Ring Retainer	Stainless Steel	304
8	Strainer	Stainless Steel	304
9	Suction Interconnector	Stainless Steel	304
10	Coupling	Stainless Steel	304
11	Pump Shaft	Stainless Steel	431
12	Strap	Stainless Steel	304
13	Cable Guard	Stainless Steel	304
14	Neck Ring	SUS304+NBR	
15	Nut	Stainless Steel	304
16	Bearing	NBR	304

Dayliff DS submersible multistage centrifugal pumps are specially designed for water supply from boreholes. They are manufactured to the highest standards that gives high energy efficiency, dependable performance and long service life in the most demanding of applications.

Features

- All metal parts made of 304 stainless steel, except for the shaft, which is made of 431 stainless steel to give years of trouble free operation.
- Heavy duty stainless steel discharge head with built-in check valve for long life and ease of installation.
- Motor specifications are according to NEMA standards.
- High quality shaft bearings providing low friction and high wear resistance.
- Stainless steel strainer to restrict the entry of sand and other extraneous material.
- High efficiency oil filled motors with non-toxic oil meeting all installation conditions.
- Single phase pumps are supplied with a separate control box which incorporates an isolator, run indicator light, thermal overload protection and starting capacitor with auxiliary terminals for control probes, pressure switch or float switch can be connected directly to the mains power.
- Three phase pumps require a remote starter. A DAYLIFF electronic pump controller is recommended for comprehensive pump control including wireless low level, motor overload and irregular power supply protection.
- High capacity copper wound 2-pole asynchronous squirrel-cage motor with a steady operating curve
- Enclosure Class: IP68
- Insulation Class: F

Operating Conditions

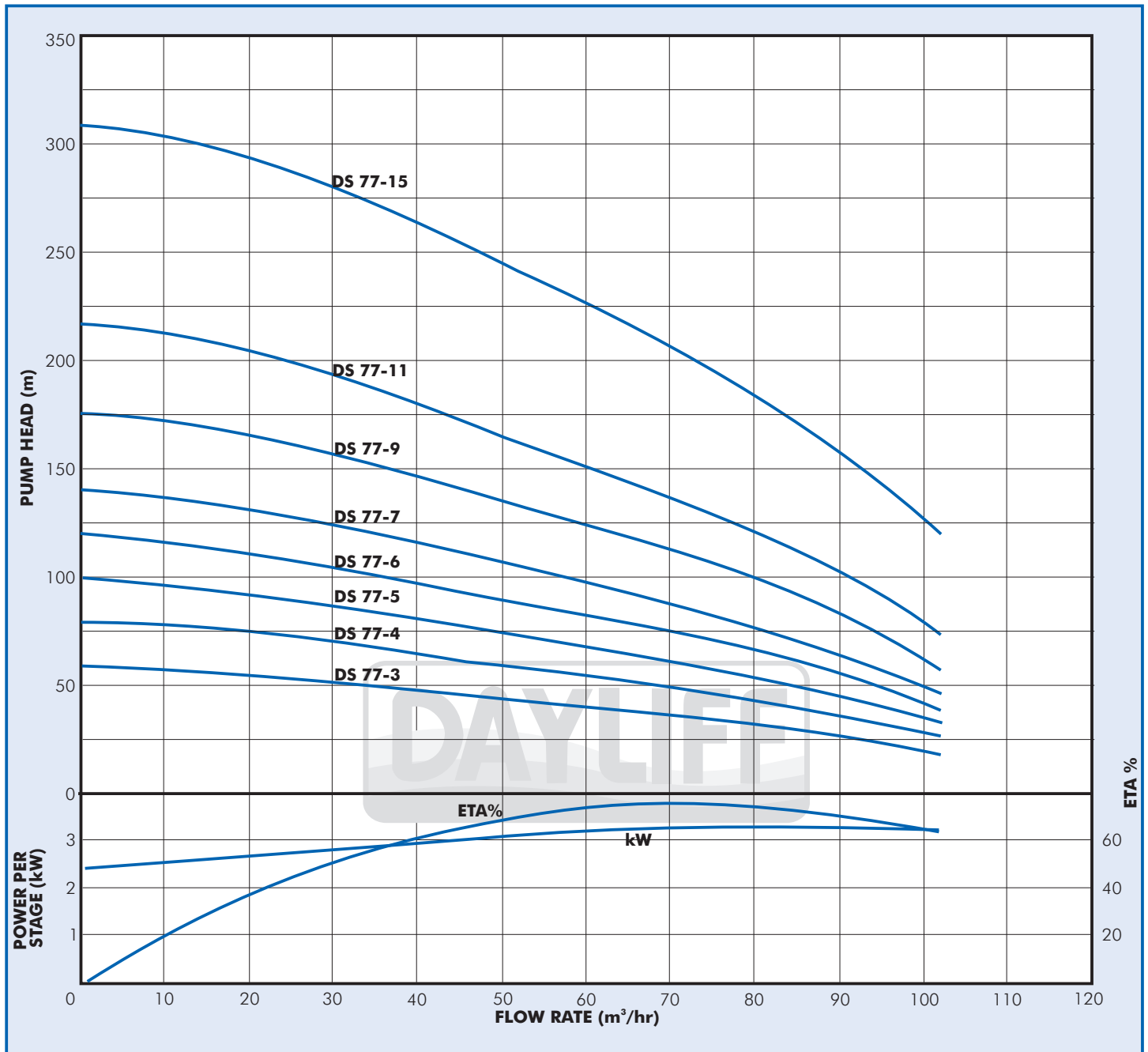
Pumped Liquids: Thin, clean, non-explosive liquids without solid particles or fibres.

Max Liquid Temperature: +30°C.

Max Immersion Depth: 300m

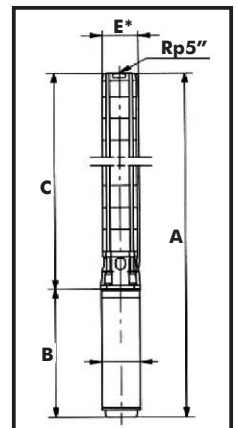
Minimum Borehole Data: 110mm(4" pumps), 160/200mm (6" pumps), 250mm(8" pumps)

Max Sand Content: 50g/m³



Pump Data

Model	Motor		Full Load Current (A)	I _{start} / I	Dimensions (mm)				Weight (kg)
	kW	HP			A	B	C	E*	
DS 77-3	11	15	26	4.8	1604	730	874	178	85
DS 77-4	15	20	34.2	5	1788	785	1003	178	95
DS 77-5	18.5	25	42	5.5	1991	860	1131	178	102
DS 77-6	22	30	47.5	5.4	2179	920	1259	178	116
DS 77-7	26	35	56	5.1	2500	874	1387	178	116
DS 77-9	30	40	63.5	4.7	2694	1050	1644	178	139
DS 77-11	37	50	79.3	3.9	3080	1180	1900	178	159
DS 77-15	55	75	111	5.9	3774	1350	2424	200	269



E* = Maximum diameter of the pump with one motor cable