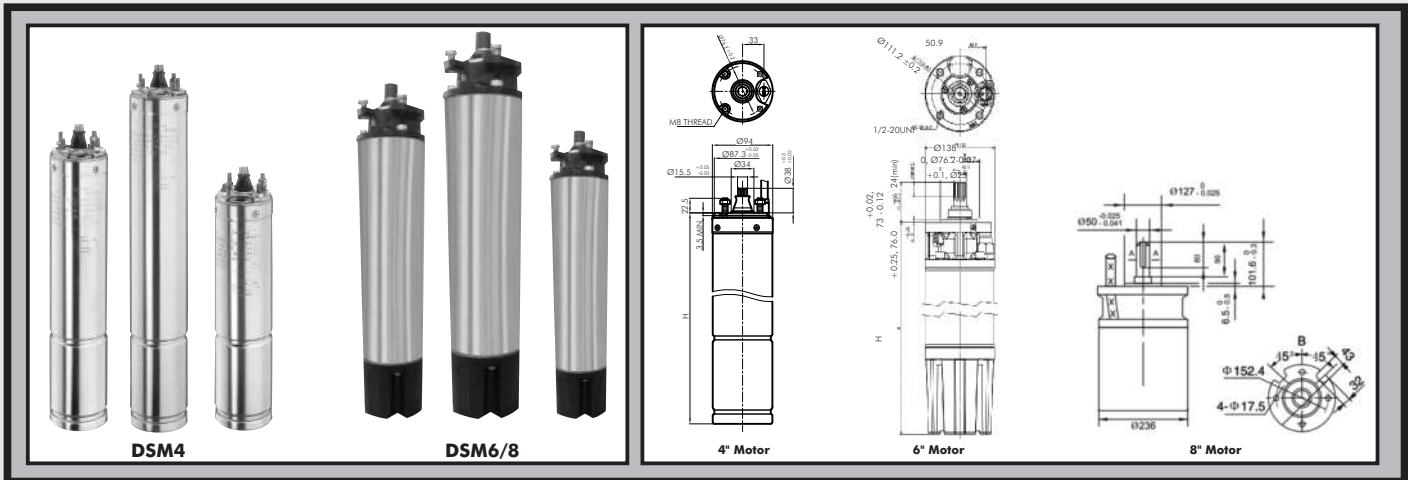




DAYLIFE DSM submersible motors are specifically designed to give exceptional reliability and efficiency in all borehole pumping applications. Features include:-

- 4/6/8" standard oil filled type motor with FDA approved colourless oil
- 6" Water cooled canned type motor with resin filled stator for extended motor life available in high temperature specification
- Largely stainless steel AISI 304 construction with cast iron top and bottom bearings
- Water lubricated thrust and radial bearings
- Reinforced netted Nylon diaphragm for internal motor pressure compensation
- Thermal overload for motor protection
- Standard NEMA flanges for use with all types of pumps

Protection: IP68

Insulation Class: F

Voltage: 1x220V/240V,50Hz/ 3x380V/415V, 50Hz

OPERATING PARAMETERS

Max Voltage Variation: $\pm 10\%$

Max Starts/Hr: 20

Max Water Temperature: 35°C for standard motors and 70°C for high temperature 6", 5.5/7.5/11kW motors available

Min Water Pass Flow Rate: 0.2m/sec

Max Immersion Depth: 200m-4" and 300m-6/8"

Installation: Vertical/horizontal with a tilt angle > 50°

MOTOR DATA SINGLE PHASE

Power kW	HP	In (A)	Istart (A)	Efficiency (%)	PF (CosØ)	RPM	Capacitor µF	Tail Cable mm ²	m	H (mm)	Dia (mm)	Weight (Kg)
0.37	0.5	3.7	12	53	0.90	2840	16	1.5	1.7	346	94	8
0.55	0.75	5.0	15	62			20			365		8.4
0.75	1	6.2	20	64			25			380		9.0
1.1	1.5	8.1	32	68			35			405		10
1.5	2	10.4	38	73			40			440		12
2.2	3	15.0	46	72			55	2.5		495		14

THREE PHASE

Power		In (A)	Istart (A)	Efficiency (%)	PF (CosØ)	RPM	Thrust Load (N)	Tail Cable		H (mm)	Dia (mm)	Weight (Kg)		
kW	HP							mm²	m					
0.37	0.5	1.6	4.5	60	0.80	2820	2000	1.5	1.7	330	94	7		
0.55	0.75	1.9	6.7	64		2840				346		7		
0.75	1	2.3	8.9	66						365		8		
1.1	1.5	3.1	12	70		2850				380		9		
1.5	2	4.0	14	72						405		10		
2.2	3	5.6	22	71	0.85	3000	3000	2.5	440	94	12			
3.0	4.0	7.4	43	73		2840			516		16			
4.0	5.5	9.8	49	75		2850			5000		2.0	607	20	
5.5	7.5	13.7	71	76								683	23	
7.5	10	18.7	96	76								783	28	
5.5	7.5	12.6	59.5	78.4	0.84		15500	4.0		4.0		627	138	44
5.5*	7.5	13.6	95.2	77	0.80		15000	6.0		3.0		767	144	48
7.5	10	16.7	67.6	79.1	0.86		15500	4.0	4.0	662	138	47		
7.5*	10	18	126	78	0.81	2840	15000	6.0	3.0	782	144	50		
11	15	25.2	60.7	77	0.86	2850	15500	4.0	4.0	727	138	53		
11*	15	25.8	180.6	79	0.82	2830	15000	6.0	3.0	852	144	61		
15	20	33.2	142.3	79.7	0.86	2850	15500	4.0	4.0	787	138	59		
18.5	25	40.6	135.5	80.6	0.85					857		65		
22	30	49.2	139.4	76.3	0.89					907		71		
26	36	58	301	82	0.86					1004		101		
30	40	67.2	288.2	81.2	0.88					1087		89		
37	50	82	358.1	81.1	0.89	2850	27500	8.4	8.4	1267	236	107		
45	60	96	672	87	0.84					16		1105	172	
55	75	118	826	88						10*2		1205	202	

MATERIAL SPECIFICATION

Component	Material
Motor shell	304 stainless steel
Sand guard	NBR
Cable connector	4"-EPDM, 6/8"-XLPE
Upper end bracket cover	4"-304 stainless steel, 6/8"-Cast Iron
Upper end bracket	Zinc plated cast iron
Mechanical Seal	Ceramic /Carbon
Shaft (0.5-10HP)	4"-304 stainless steel, 6/8"-AISI 420
Rotor (0.5-3HP)	4"-Aluminium
Rotor (4-10HP)	4"-Copper
Winding	Copper
Lower end bracket	4"-Aluminium, 6/8"-Cast Iron
Lower end bracket cover	4"-304 stainless steel, 6/8"-Cast Iron
Diaphragm	NBR

*High Temperature Water Cooled Motors