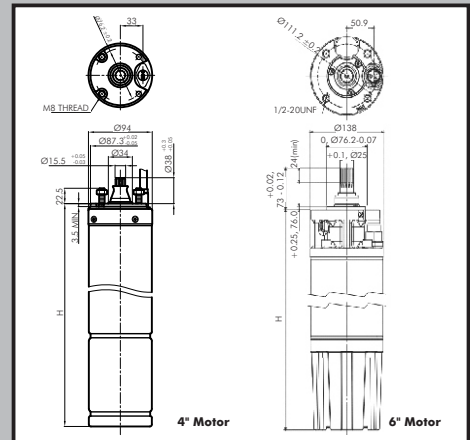




DSM

Submersible Motor



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

- 4" oil filled type motor with FDA approved colourless oil
- 6" canned type motor with resin filled stator for extended motor life
- 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: ± 10%

Max Starts/Hr: 20

Max Water Temperature: 35°C

Min Water Pass Flow Rate: 0.2m/sec

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

Installation: Vertical/horizontal with a tilt angle > 50

MOTOR DATA

SINGLE PHASE

Power		In	Istart	Efficiency	PF	RPM	Capacitor	Tail Cable		H	Weight
kW	HP	(A)	(A)	%	CosØ		µF	mm ²	m	(mm)	
0.37	0.5	3.7	12	53	0.90	2840	16	1.5	1.7	346	7
0.55	0.75	5.0	15	62			20			365	8
0.75	1	6.2	20	64			25			380	9
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			495	14

THREE PHASE

Power		In	Istart	Efficiency	PF	RPM	Thrust Load (N)	Tail Cable		H	Dia (mm)	Weight (Kg)			
kW	HP	(A)	(A)	(%)	(CosØ)			mm ²	m	(mm)					
0.37	0.5	1.6	4.5	60	0.80	2820	2000	1.5	1.7	330	7				
0.55	0.75	1.9	6.7	64						346	7				
0.75	1	2.3	8.9	66						365	8				
1.1	1.5	3.1	12	70						380	9				
1.5	2	4.0	14	72						405	10				
2.2	3	5.6	22	71						440	12				
3.0	4.0	7.4	43	73	0.85	2840	3000	2.0	2.5	516	15				
4.0	5.5	9.8	49	75						607	20				
5.5	7.5	13.7	71	76						683	23				
7.5	10	18.9	96	76						783	28				
5.5	7.5	12.7	59.5	79						2837	627	51			
7.5	10	16.5	67.5	79						2826	662	55			
9.2	12.5	21.5	62.5	78	0.86	2803	11000	4.0	4.0	704	53				
11	15	24.2	60.7	77						727	61				
13	17.5	28.9	138.7	79						2803	11000	5.0	3.0	804	64
15	20	32	142.3	80						2837	787	67			
18.5	25	40	101.2	81						2814	15500	4.0	4.0	857	75
22	30	47	139.4	77						2720	2720	6.0	4.0	907	80
26	36	58	301	82	2003	11000	5.0	5.0	1004	101					
30	40	64.1	320	83	0.84	2848	27500	8.4	8.4	1047	102				
37	50	72.4	275	82	0.85	2850				1417	117				

MATERIAL SPECIFICATION

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