

SUBMERSIBLE MOTORS

6 INCH MTSF

PRODUCT INFORMATION & SERVICE MANUAL



SHAKTI

THE POWER OF INNOVATION, EFFICIENCY & TECHNOLOGY.

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6" PRODUCT INFORMATION

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PRODUCT APPLICATION AND PRODUCT SPECIFICATION

GENERAL DATA

These 150 mm Rewindable motors, manufactured in ISO 9001:2015 & ISO 14001:2015 certified facilities

Applications

This motor is built for dependable operation in 150 mm diameter or larger water wells. It is fitted with water lubricated radial and thrust bearings for a maintenance – free operations. The motor is filled with a special fluid, Providing frost protection down to -15°C storage temperature . A special diaphragm ensures pressure compensation inside the motor.

Product advantages

- High efficiency electrical design (low operation cost).
- Design for retrofittable PT100 sensor.
- Motor With SiC Mechanical seal and sand slinger.
- Cable material in accordance with regulations for drinking water.
- Water lubricated radial and thrust bearing.
- All motors pre-filled and 100% tested.
- Non contaminating, water-filled design.
- Max. storage temperature -15°C to +60°C.

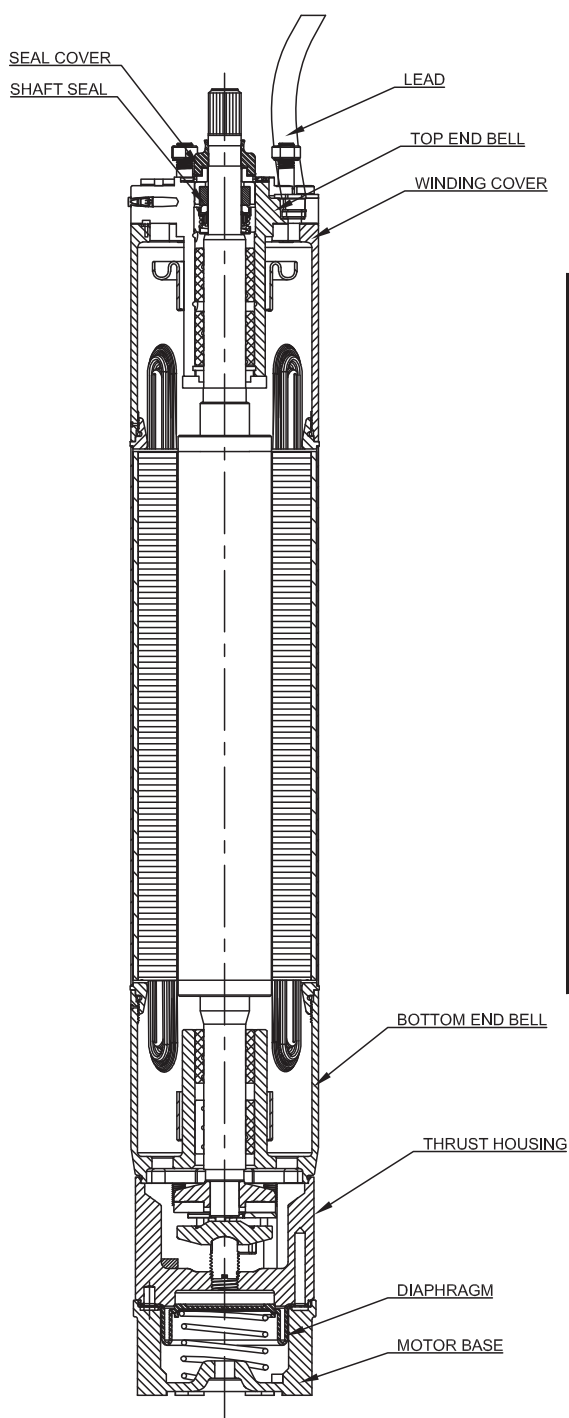
Technical specification

Power range	: 5.5 HP - 50 HP / 4 kW - 37 kW
Flange	: 150 mm NEMA
Degree of protection	: IP68
Ambient temperature	: 30°C
Cooling flow	: 5.5 HP - 10 HP / 4 kW - 7.5 kW = 0.2 m/s 12.5 HP - 50 HP / 9.3 kW - 37 kW = 0.5 m/s
Starts/hr	: 10
Voltage tolerance	: +6% / -10% UN

Considering continuous product development the information/performance/specifications and illustrations disseminated in this catalogue are subject to change without notice.

SUBMERSIBLE MOTORS			
Material	CI, Stainless Steel 304/316	Rating	4kW-37kW/5.5HP-50HP
Type	Rewindable MTSFC/ MTSFN	Thrust Rating	15500-27500 N

6" Rewindable



PART	MATERIAL		
	CI	AISI SS 304	AISI SS 316
TOP END BELL	CAST IRON POWDER COATED	AISI SS 304	AISI SS 316
WINDING COVER	CAST IRON POWDER COATED	AISI SS 304	AISI SS 316
STATOR SHELL	AISI SS 304	AISI SS 304	AISI SS 316
SEALS	NBR	NBR	NBR
SEAL COVER	AISI SS 304	AISI SS 304	AISI SS 316
SHAFT END	DUPLEX	DUPLEX	DUPLEX
SHAFT SEAL	SIC	SIC	SIC
MOTOR BASE	CAST IRON POWDER COATED	AISI SS 304	AISI SS 316
THRUST HOUSING	CAST IRON POWDER COATED	AISI SS 304	AISI SS 316
BOTTOM END BELL	CAST IRON POWDER COATED	AISI SS 304	AISI SS 316
DIAPHRAGM	EPDM	EPDM	EPDM
LEAD	EPR	EPR	EPR

SUBMERSIBLE MOTORS			
Material	Cl, Stainless Steel 304/316	Rating	4kW-37kW/5.5HP-50HP
Type	Rewindable MTSFC/ MTSFN	Thrust Rating	15500-27500 N

6" Rewindable Motors - Model Numbers 50/60 Hz

HP	kW	[V/Hz]	CONNECTION - Δ		
			Cl	304	316
5.5	4	380/400/415 50Hz	9000006071	9000006263	9000006167
		415/460 60Hz			
7.5	5.5	380/400/415 50Hz	9000006072	9000006264	9000006168
		415/460 60Hz			
10	7.5	380/400/415 50Hz	9000006073	9000006265	9000006169
		415/460 60Hz			
12.5	9.3	380/400/415 50Hz	9000006074	9000006266	9000006170
		415/460 60Hz			
15	11	380/400/415 50Hz	9000006075	9000006267	9000006171
		415/460 60Hz			
17.5	13	380/400/415 50Hz	9000006076	9000006268	9000006172
		415/460 60Hz			
20	15	380/400/415 50Hz	9000006077	9000006269	9000006173
		415/460 60Hz			
25	18.5	380/400/415 50Hz	9000006078	9000006270	9000006174
		415/460 60Hz			
30	22	380/400/415 50Hz	9000006079	9000006271	9000006175
		415/460 60Hz			
35	26	380/400/415 50Hz	9000006080	9000006272	9000006176
		415/460 60Hz			
40	30	380/400/415 50Hz	9000006081	9000006273	9000006177
		415/460 60Hz			
50	37	380/400/415 50Hz	9000006082	9000006274	9000006178
		415/460 60Hz			

SUBMERSIBLE MOTORS			
Material	Cl, Stainless Steel 304/316	Rating	4kW-37kW/5.5HP-50HP
Type	Rewindable MTSFC/ MTSFN	Thrust Rating	15500-27500 N

6" Rewindable Motors - Model Numbers 50/60 Hz

HP	kW	[V/Hz]	CONNECTION - YΔ		
			Cl	304	316
5.5	4	380/400/415 50Hz	9000006083	9000006275	9000006179
		415/460 60Hz			
7.5	5.5	380/400/415 50Hz	9000006084	9000006276	9000006180
		415/460 60Hz			
10	7.5	380/400/415 50Hz	9000006085	9000006277	9000006181
		415/460 60Hz			
12.5	9.3	380/400/415 50Hz	9000006086	9000006278	9000006182
		415/460 60Hz			
15	11	380/400/415 50Hz	9000006087	9000006279	9000006183
		415/460 60Hz			
17.5	13	380/400/415 50Hz	9000006088	9000006280	9000006184
		415/460 60Hz			
20	15	380/400/415 50Hz	9000006089	9000006281	9000006185
		415/460 60Hz			
25	18.5	380/400/415 50Hz	9000006090	9000006282	9000006186
		415/460 60Hz			
30	22	380/400/415 50Hz	9000006091	9000006283	9000006187
		415/460 60Hz			
35	26	380/400/415 50Hz	9000006092	9000006284	9000006188
		415/460 60Hz			
40	30	380/400/415 50Hz	9000006093	9000006285	9000006189
		415/460 60Hz			
50	37	380/400/415 50Hz	9000006094	9000006286	9000006190
		415/460 60Hz			

SUBMERSIBLE MOTORS			
Material	CI, Stainless Steel 304/316	Rating	4kW-37kW/5.5HP-50HP
Type	Rewindable MTSFC/ MTSFN	Thrust Rating	15500-27500 N

6" Rewindable Motors - Model Numbers 50/60 Hz

HP	kW	[V/Hz]	CONNECTION - Δ		
			CI	304	316
5.5	4	230 60Hz	9000006119	9000006311	9000006215
7.5	5.5	230 60Hz	9000006120	9000006312	9000006216
10	7.5	230 60Hz	9000006121	9000006313	9000006217
12.5	9.3	230 60Hz	9000006122	9000006314	9000006218
15	11	230 60Hz	9000006123	9000006315	9000006219
17.5	13	230 60Hz	9000006124	9000006316	9000006220
20	15	230 60Hz	9000006125	9000006317	9000006221
25	18.5	230 60Hz	9000006126	9000006318	9000006222
30	22	230 60Hz	9000006127	9000006319	9000006223
35	26	230 60Hz	9000006128	9000006320	9000006224

SUBMERSIBLE MOTORS			
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Type	Rewindable MTSFC/ MTSFN	Thrust Rating	15500-27500 N

6" Rewindable Motors - Model Numbers 50/60 Hz

HP	kW	[V/Hz]	CONNECTION - Y		
			Cl	304	316
5.5	4	380 60Hz	9000006131	9000006323	9000006227
7.5	5.5	380 60Hz	9000006132	9000006324	9000006228
10	7.5	380 60Hz	9000006133	9000006325	9000006229
12.5	9.3	380 60Hz	9000006134	9000006326	9000006230
15	11	380 60Hz	9000006135	9000006327	9000006231
17.5	13	380 60Hz	9000006136	9000006328	9000006232
20	15	380 60Hz	9000006137	9000006329	9000006233
25	18.5	380 60Hz	9000006138	9000006330	9000006234
30	22	380 60Hz	9000006139	9000006331	9000006235
35	26	380 60Hz	9000006140	9000006332	9000006236
40	30	380 60Hz	9000006141	9000006333	9000006237
50	37	380 60Hz	9000006142	9000006334	9000006238

HP	kW	[V/Hz]	CONNECTION - YΔ		
			Cl	304	316
5.5	4	230/380 60Hz	9000011937	9000012425	9000012430
7.5	5.5	230/380 60Hz	9000012179	9000012426	9000012432
10	7.5	230/380 60Hz	9000012015	9000012016	9000012433
12.5	9.3	230/380 60Hz	9000012178	9000012427	9000012434
15	11	230/380 60Hz	9000011606	9000011608	9000012436
17.5	13	230/380 60Hz	9000012176	9000012428	9000012437
20	15	230/380 60Hz	9000011028	9000011566	9000012439
25	18.5	230/380 60Hz	9000011029	9000011567	9000012440
30	22	230/380 60Hz	9000010939	9000011568	9000012442
35	26	230/380 60Hz	9000012177	9000012429	9000012443
40	30	230/380 60Hz	9000006129	9000011569	9000012445
50	37	230/380 60Hz	9000006130	9000011570	9000012445

SUBMERSIBLE MOTORS			
Material	Cl, Stainless Steel 304/316	Rating	4kW-37kW/5.5HP-50HP
Type	Rewindable MTSFC/ MTSFN	Thrust Rating	15500-27500 N

6" Rewindable Motors Performance Data 50 Hz

Material Code	[HP]	[kW]	Thrust	U_N	n_N	I_N	I_A	EFFICIENCY[%]			POWER FACTOR [%]			T_N	T_A
			F[N]	[V]	[min ⁻¹]	[A]	[A]	50	75	100	50	75	100	[Nm]	[Nm]
9000006071	5.5	4.0	15500	380	2872	10.3	46	65	72	75	0.63	0.77	0.80	13.3	17.3
		4.0		400	2884	10.3	46	64	71	75	0.61	0.74	0.77	13.2	17.2
		4.0		415	2892	10.5	47	63	71	74	0.58	0.71	0.73	13.2	17.2
9000006072	7.5	5.5	15500	380	2856	13.7	62	75	78	78	0.69	0.80	0.84	18.4	23.9
		5.5		400	2872	12.7	57	74	77	78	0.66	0.77	0.81	18.3	23.8
		5.5		415	2880	12.6	57	72	76	78	0.64	0.74	0.79	18.2	23.7
9000006073	10.0	7.5	15500	380	2872	18.0	81	69	74	76	0.69	0.81	0.84	24.9	32.4
		7.5		400	2888	17.9	81	66	73	75	0.66	0.78	0.81	24.8	32.2
		7.5		415	2896	18.1	81	64	71	74	0.64	0.75	0.79	24.7	32.1
9000006074	12.5	9.3	15500	380	2796	22.4	101	75	77	78	0.60	0.74	0.81	31.7	41.3
		9.3		400	2802	22.0	103	74	76	78	0.58	0.70	0.80	31.7	41.2
		9.3		415	2826	22.2	104	73	75	78	0.57	0.68	0.77	31.4	40.8
9000006075	15.0	11.0	15500	380	2846	25.7	121	75	77	79	0.67	0.80	0.83	36.9	49.8
		11.0		400	2858	25.3	119	73	76	78	0.64	0.77	0.81	36.7	49.6
		11.0		415	2872	25.4	119	72	75	78	0.62	0.75	0.79	36.6	49.4
9000006076	17.5	13.0	15500	380	2840	28.5	134	76	78	79	0.78	0.81	0.88	43.7	59.0
		13.0		400	2848	27.9	131	75	77	79	0.75	0.78	0.85	43.6	58.8
		13.0		415	2860	27.6	130	75	76	79	0.75	0.77	0.84	43.4	58.6
9000006077	20.0	15.0	15500	380	2852	33.2	159	79	80	81	0.71	0.76	0.85	50.2	67.8
		15.0		400	2864	31.9	153	78	79	81	0.70	0.75	0.84	50.0	67.5
		15.0		415	2872	32.0	154	77	78	81	0.70	0.74	0.82	49.9	69.8
9000006078	25	18.5	27500	380	2844	40.8	196	78	79	81	0.70	0.79	0.85	62.1	86.9
		18.5		400	2862	40.2	193	77	79	81	0.70	0.78	0.83	61.7	86.4
		18.5		415	2876	40.4	194	78	79	81	0.71	0.77	0.81	61.4	86.0
9000006079	30	22	27500	380	2860	48.7	234	80	81	82	0.70	0.77	0.84	73.4	102.8
		22		400	2872	48.9	235	80	81	82	0.70	0.77	0.80	73.1	102.4
		22		415	2888	49.3	242	80	80	81	0.70	0.76	0.78	72.7	101.8
9000006080	35	26	27500	380	2860	58.5	287	79	81	82	0.70	0.74	0.82	86.8	121.5
		26		400	2876	58.6	287	80	81	82	0.71	0.74	0.79	86.3	120.8
		26		415	2880	59.5	292	79	81	82	0.70	0.73	0.76	86.2	120.6
9000006081	40	30	27500	380	2864	64.5	316	82	83	84	0.70	0.77	0.84	100.0	140.0
		30		400	2876	64.2	315	81	82	84	0.69	0.76	0.81	99.6	139.4
		30		415	2880	64.7	317	80	81	83	0.69	0.75	0.78	99.4	139.2
9000006082	50	37.0	27500	380	2868	79.3	389	80	82	83	0.75	0.80	0.86	123.1	172.4
		37.0		400	2874	79.5	390	80	81	83	0.71	0.77	0.82	122.9	172.0
		37.0		415	2880	80.0	392	79	80	82	0.70	0.75	0.79	122.6	171.7

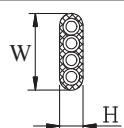
SUBMERSIBLE MOTORS			
Material	Cl, Stainless Steel 304/316	Rating	4kW-37kW/5.5HP-50HP
Type	Rewindable MTSFC/ MTSFN	Thrust Rating	15500-27500 N

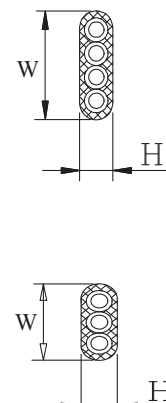
6" Rewindable Motors Performance Data 60 Hz

Material Code	[HP]	[kW]	Thrust	U _N	n _N	I _N	I _A	EFFICIENCY[%]			POWER FACTOR [%]			T _N	T _A
			F[N]	[V]	[min ⁻¹]	[A]	[A]	50	75	100	50	75	100	[Nm]	[Nm]
9000006119	5.5	4.0	15500	220	3476	16.3	73.35	71	76	77	0.73	0.77	0.82	11.0	14.3
9000006131		4.0		380	3480	11.4	51.3	63	71	74	0.65	0.69	0.73	10.97	14.6
9000006071		4.0		460	3472	8.4	37.8	64	71	75	0.63	0.68	0.72	11	14.3
9000006120	7.5	5.5	15500	220	3408	22.1	99.45	74	77	76	0.77	0.82	0.85	15	20.0
9000006132		5.5		380	3468	13.8	62.1	71	74	76	0.69	0.73	0.80	15	19.7
9000006072		5.5		460	3456	10.6	47.7	71	75	78	0.69	0.73	0.79	15	19.6
9000006121	10.0	7.5	15500	220	3456	29	130.5	75	78	80	0.75	0.79	0.84	21	26.9
9000006133		7.5		380	3460	19.3	86.85	71	75	77	0.69	0.72	0.77	22	27.0
9000006073		7.5		460	3472	14.7	66.15	70	74	76	0.69	0.71	0.76	21	26.8
9000006122	12.5	9.3	15500	220	3412	37.8	170.1	78	80	78	0.79	0.84	0.83	26	33.8
9000006134		9.3		380	3460	21.8	98.1	76	79	77	0.78	0.84	0.83	26	36.0
9000006074		9.3		460	3396	18.5	83.25	74	76	78	0.78	0.83	0.82	26	34.0
9000006123	15.0	11.0	15500	220	3436	41.1	184.95	80	80	81	0.82	0.82	0.87	31	39.7
9000006135		11.0		380	3448	26.7	120.15	73	77	78	0.72	0.75	0.80	30	39.6
9000006075		11.0		460	3446	21.2	95.4	73	77	79	0.70	0.74	0.79	30	39.6
9000006124	17.5	13.0	15500	220	3340	52.2	234.9	76	77	76.4	0.75	0.79	0.84	37	48.3
9000006136		13.0		380	3350	30.5	137.25	75	76	77	0.71	0.75	0.82	37	49.0
9000006076		13.0		460	3440	23.5	105.75	75	78	79	0.71	0.75	0.8	36	46.9
9000006125	20.0	15.0	15500	220	3420	58.2	261.9	78	79	80	0.74	0.78	0.83	42	55.0
9000006137		15.0		380	3440	33.9	152.55	76	79	80	0.76	0.79	0.84	42	54.1
9000006077		15.0		460	3452	27.3	122.85	77	80	81	0.76	0.79	0.83	41	53.9
9000006126	25	18.5	27500	220	3412	65	292.5	79	81	82	0.80	0.85	0.90	52	67.3
9000006138		18.5		380	3444	45.6	205.2	78	80	82	0.70	0.74	0.76	51	66.7
9000006078		18.5		460	3444	33.9	152.55	78	80	81	0.62	0.66	0.74	51	68.0
9000006127	30	22	27500	220	3440	77.9	350.55	81	82	83	0.79	0.83	0.89	61	79.4
9000006139		22		380	3486	54	243	73	77	79	0.70	0.74	0.79	60	78.3
9000006079		22		460	3460	40.6	182.7	78	81	82	0.70	0.73	0.78	61	78.9
9000006128	35	26	27500	220	3384	97.2	437.4	78	79	79.4	0.78	0.81	0.87	73	95.3
9000006140		26		380	3380	56	252	77	78	79	0.77	0.82	0.86	72	93.6
9000006080		26		460	3460	48.3	217.35	81	83	82	0.68	0.72	0.82	71	92.3
9000006141	40	30	27500	380	3440	70.1	315.45	80	81	82	0.71	0.75	0.80	83	108.2
9000006081		30		460	3464	53.5	240.75	80	82	84	0.71	0.74	0.79	83	107.5
9000006142	50	37	27500	380	3432	87.2	392.4	79	80	81	0.71	0.74	0.79	103	133.8
9000006082		37		460	3472	75	337.5	78	82	83	0.70	0.73	0.78	102	132.2

SUBMERSIBLE MOTORS			
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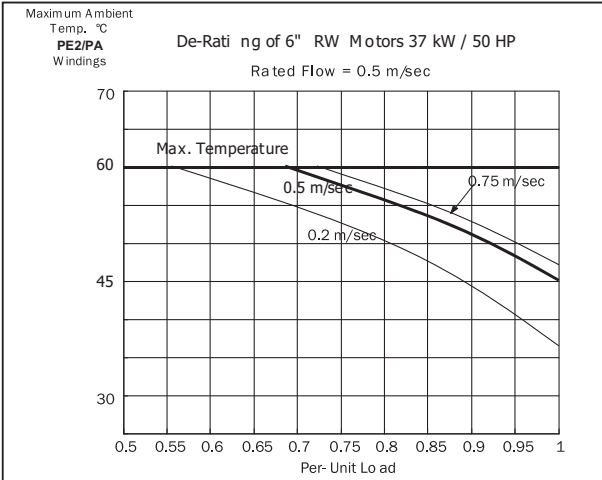
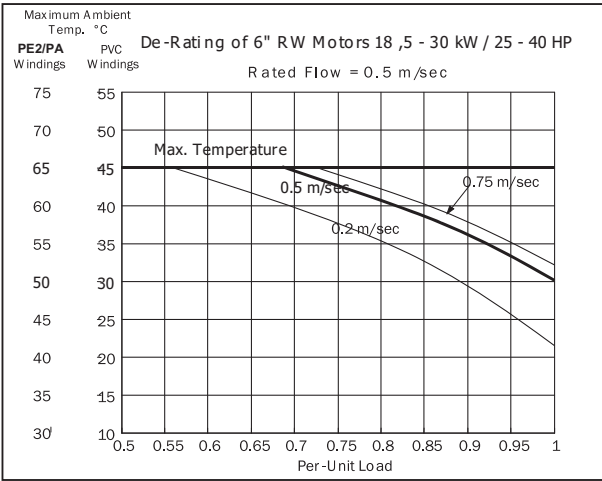
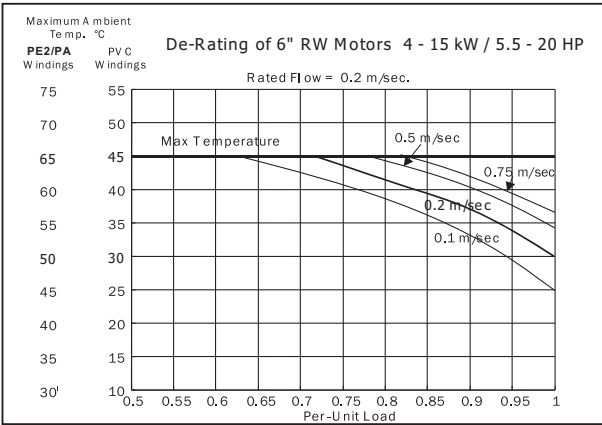
6" Rewindable Motors Leads

DOL	[kW]	[HP]	St.	Ø	W/H	Length
			#	[mm ²]	[mm]	[M]
	4-9.3	5.5-12.5	1	4X4	23X8.2	4
	11-30	15-40		4X6	25X9	
	37	50		3X10	24.5X11.5	

YΔ	[kW]	[HP]	St.	Ø	W/H	Length	
			#	[mm2]	[mm]	[M]	
	4-9.3	5.5-12.5	1	4X4	23X8.2	4	
				3X4	17.8X8.5		
	11-30	15-40		4X6	25X9		
				3X6	19.5X9.5		
	37	50		4X10	30X10.5		
				3X10	24.5X11.5		

SUBMERSIBLE MOTORS			
Material	Cl, Stainless Steel 304/316	Rating	4kW-37kW/5.5HP-50HP
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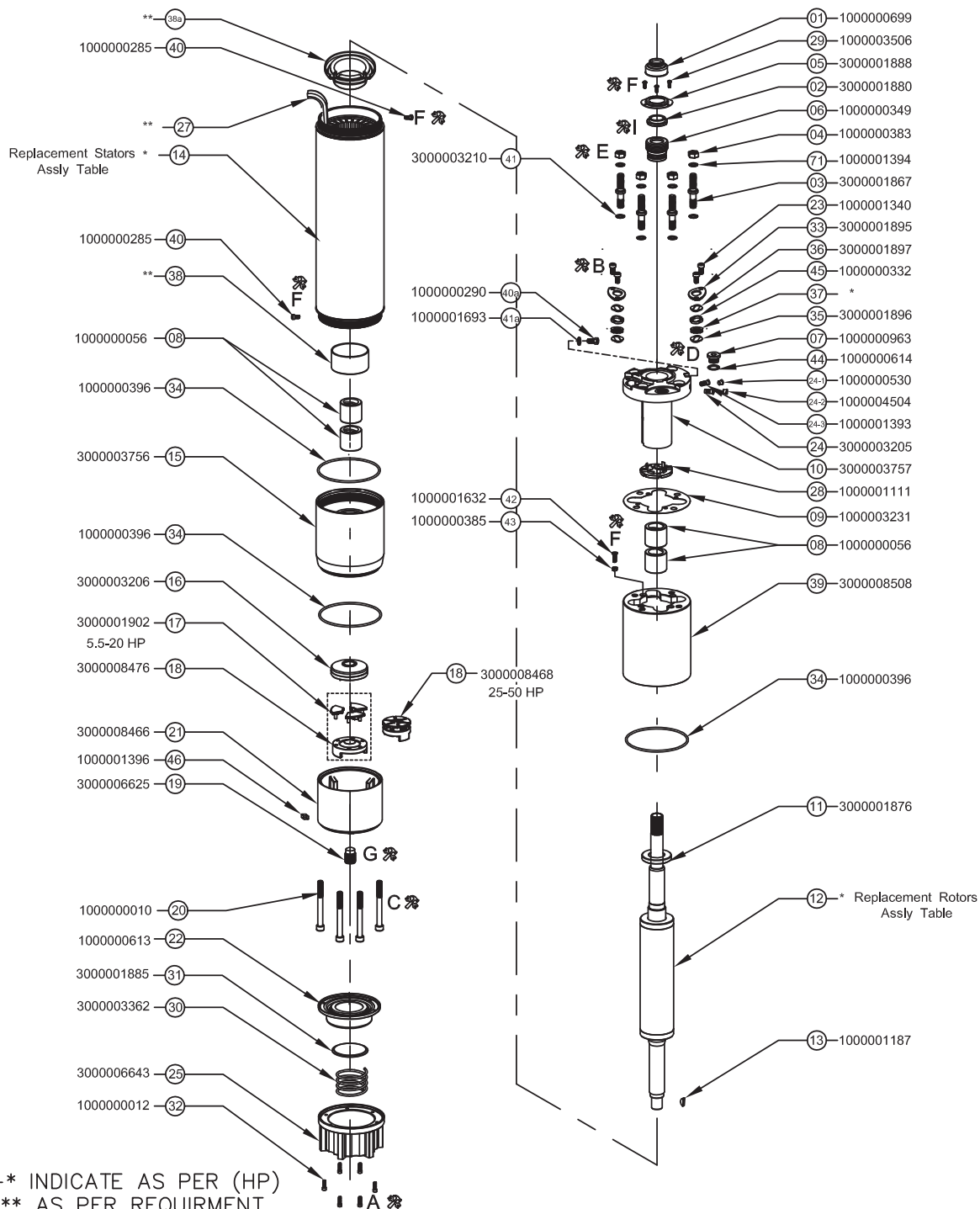
6" Rewindable Motors Performance Data 50Hz



If above conditions are not met please contact Shakti Pumps

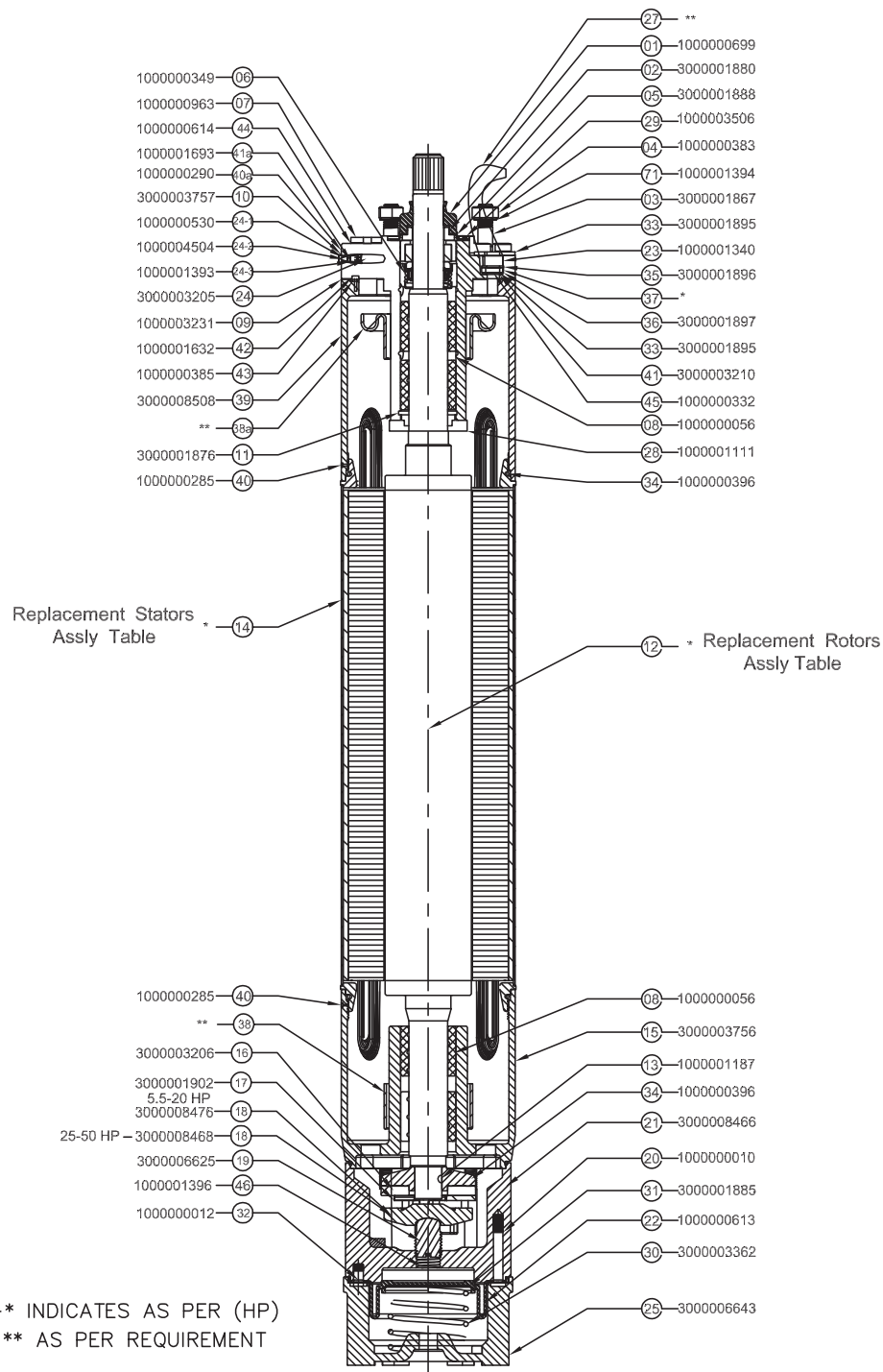
SUBMERSIBLE MOTORS			
Material	Cl, Stainless Steel 304/316	Rating	4kW-37kW/5.5HP-50HP
Type	Rewindable MTSFC/ MTSFN	Thrust Rating	15500-27500 N

Exploded View



SUBMERSIBLE MOTORS			
Material	CI, Stainless Steel 304/316	Rating	4kW-37kW/5.5HP-50HP
Type	Rewindable MTSFC/ MTSFN	Thrust Rating	15500-27500 N

6" Rewindable Motors Leads @ 400 V



SUBMERSIBLE MOTORS			
Material	CI, Stainless Steel 304/316	Rating	4kW-37kW/5.5HP-50HP
Type	Rewindable MTSFC/ MTSFN	Thrust Rating	15500-27500 N

POS	MATERIAL CODE	PART DISCRIPTION	QTY	MATERIAL
01	1000000699	SAND SLINGER	1	NEOPRINE RUBBER
29	1000003506	SLOTED THRD CUTSCREW(M4)	3	SS AISI-304
05	3000001888	DUST COVER	1	SS AISI-304
02	3000001880	BUSH	1	LTB-4
06	1000000349	MECH SEAL ASSLY	1	N/A
04	1000000383	NUT M12(HH)	4	SS AISI-304
71	1000001394	SPRING WASHER	4	SS AISI-304
3	3000001867	STUD(M12)	4	SS AISI-304
41	3000003210	GASKET WASHER	4	CAF GASKET
23	1000001340	ALLEN BOLT M8X12	4	SS AISI-304
33	3000001895	LEAD CLAMP	2	SS AISI-304
36	3000001897	LEAD SEAL UPPER	2	SS AISI-304
45	1000000332	LEAD SPACER	2	HDPE
37	*	GROMATE	2	NITRILE RUBBER
35	3000001896	LEAD SEAL LOWER	2	SS AISI-304
7	1000000963	DRAIN PLUG	1	BRASS
44	1000000614	RUBBER GASKET WASHER	1	NBR
24-1	1000000530	PVC CAP(WHITE)	1	PP
24-2	1000004504	PVC CAP(GREEN)	1	PP
24-3	1000001393	FILTER	2	N/A
24	3000003205	PRESSUR RELIEF VALUE ASSLY.	2	N/A
10	3000003757	END BELL UPPER	1	CI FG-260
40a	1000000290	H.H. BOLT M6X12 mm	1	SS AISI-304
41a	1000001693	S.S WASHER M6XTH.1.0mm	1	SS AISI-304
28	1000001111	UP THRUST BEARING	1	NORYL(GLASS FILLED)
9	1000003231	GASKET	1	OILPAPER
08	1000000056	BUSH CARBON	2	REGIN IMPREGATED CARBON
39	3000008508	WINDING COVER	1	CI FG-260
34	1000000396	O-RING(123.5X3.5)	1	EPDM
42	1000001632	CHEESE HEAD SCREW	1	SS AISI-304
43	1000000385	NUT(H.H M6)	1	SS AISI-304
11	3000001876	THRUST PLATE	1	CI FG-260
12	*	ROTOR SUB ASSLY	1	N/A
13	1000001187	WOODRUF KEY(5X7.5)	1	En8
38a	** 1000005899	UPPER SUPPORT RING	1	PPS
40	1000000285	GRUB SCR(W(M5X6)	1	BRASS
27	**	CABLE	1	RUBBER
14	*	STATOR SUB ASSLY	1	N/A
40	1000000285	GRUB SCR(W(M5X6)	1	BRASS
38	** 1000000828	SUPPORT RING	1	PPS
08	1000000056	BUSH CARBON	2	REGIN IMPREGATED CARBON

SUBMERSIBLE MOTORS			
Material	CI, Stainless Steel 304/316	Rating	4kW-37kW/5.5HP-50HP
Type	Rewindable MTSFC/ MTSFN	Thrust Rating	15500-27500 N

POS	MATERIAL CODE	PART DISCRIPTION	QTY	MATERIAL
34	1000000396	O-RING(123.5X3.5)	1	EPDM
15	3000003756	END BELL LOWER	1	CI FG-260
34	1000000396	O-RING(123.5X3.5)	1	EPDM
16	3000003206	REVOLVING PLATE ASSLY	1	N/A
17	3000001902	THUST BRG.SEG	3	AISI SS-420
18	3000008476	THRUST BER PLATE(5-20 HP)	1	CI FG-260
18	3000008468	THRUST BER PLATE(25-50 HP)	1	CI FG-260
21	3000008466	THRUST BEARING HOUSING	1	CI FG-260
46	1000001396	MAGNET	1	MAGNET
19	3000006625	ADJUSTING STUD	1	DUPLEX
20	1000000010	ALLEN BOLT M10X100	4	SS AISI-304
22	1000000613	DIAPHRAM	1	EPDM
31	3000001885	DIAPHRGAM PLATE	1	SS AISI-304
30	3000003362	SPRING ID 59.5X3.81X72	1	SS AISI-304
25	3000006643	MOTOR BASE	1	CI FG-260
32	1000000012	ALLEN BOLT M5X16	6	SS AISI-304

SUBMERSIBLE MOTORS			
Material	Cl, Stainless Steel 304/316	Rating	4kW-37kW/5.5HP-50HP
Type	Rewindable MTSFC/ MTSFN	Thrust Rating	15500-27500 N

Replacment Rotor & Sleeve Assembly

POS	P _N	P _N	UPPER SLEEVE	LOWER SLEEVE	ROTOR MODEL NO.
	[HP]	[kW]			
12.01	5.5	4	3000001866 LENGTH – 115.0 mm	3000022409 LENGTH – 131.5 mm	3000002166
12.02	7.5	5.5			3000002166
12.03	10.0	7.5			3000002167
12.04	12.5	9.3			3000002168
12.05	15.0	11			3000002169
12.06	17.5	13			3000002170
12.07	20.0	15	3000001866 LENGTH – 115.0 mm	3000022410 LENGTH – 119.0 mm	3000002171
12.08	25.0	18.5			3000002172
12.09	30.0	22			3000002173
12.1	35.0	26			3000002174
12.11	40.0	30			3000002175
12.12	50.0	37			3000002176

Replacment Stator Assembly

POS	P _N	P _N	STATOR ASSEMBLY	STATOR MODEL NO.
	[HP]	[kW]		
14.01	5.5	4.0	STATOR ASSEMBLY	3000002223
14.02	7.5	5.5		3000002223
14.03	10.0	7.5		3000003158
14.04	12.5	9.3		3000002224
14.05	15.0	11.0		3000002225
14.06	17.5	13.0		3000002226
14.07	20.0	15.0		3000002227
14.08	25.0	18.5		3000002228
14.09	30.0	22.0		3000002229
14.10	35.0	26.0		3000002230
14.11	40.0	30.0		3000002231
14.12	50.0	37.0		3000002232

SUBMERSIBLE MOTORS			
Material	CI, Stainless Steel 304/316	Rating	4kW-37kW/5.5HP-50HP
Type	Rewindable MTSFC/ MTSFN	Thrust Rating	15500-27500 N

Replacement Stators Assly

POS	P _N	P _N	STATORS	ROTOR MODEL NO. (CI)/(304)	ROTOR MODEL NO. (316)
	[HP]	[kW]			
14.01	5.50	4.00	STATOR ASSLY	3000002223	3000002212
14.02	7.50	5.50	STATOR ASSLY	3000002223	3000002212
14.03	10.00	7.50	STATOR ASSLY	3000003158	3000002213
14.04	12.50	9.30	STATOR ASSLY	3000002224	3000002214
14.05	15.00	11.00	STATOR ASSLY	3000002225	3000002215
14.06	17.50	13.00	STATOR ASSLY	3000002226	3000002216
14.07	20.00	15.00	STATOR ASSLY	3000002227	3000002217
14.08	25.00	18.50	STATOR ASSLY	3000002228	3000002218
14.09	30.00	22.00	STATOR ASSLY	3000002229	3000002219
14.10	35.00	26.00	STATOR ASSLY	3000002230	3000002220
14.11	40.00	30.00	STATOR ASSLY	3000002231	3000002221
14.12	50.00	37.00	STATOR ASSLY	3000002232	3000002222

SUBMERSIBLE MOTORS			
Material	Cl, Stainless Steel 304/316	Rating	4kW-37kW/5.5HP-50HP
Type	Rewindable MTSFC/ MTSFN	Thrust Rating	15500-27500 N

STANDARD STATOR AND ROTOR MODEL NUMBER

HP	[kW]	[V/Hz]	STATOR INCL. WINDING		ROTOR
			DOL	YΔ	
5.5	4	380, 400, 415/50, 460/60	3000008396	3000002263	3000002166
7.5	5.5	380, 400, 415/50, 460/60	3000008430	3000002271	3000002166
10	7.5	380, 400, 415/50, 460/60	3000002279	3000002280	3000002167
12.5	9.3	380, 400, 415/50, 460/60	3000002287	3000002288	3000002168
15	11	380, 400, 415/50, 460/60	3000008286	3000002296	3000002169
17.5	13	380, 400, 415/50, 460/60	3000002303	3000008312	3000002170
20	15	380, 400, 415/50, 460/60	3000002311	3000002314	3000002171
25	18.5	380, 400, 415/50, 460/60	3000002319	3000002321	3000002172
30	22	380, 400, 415/50, 460/60	3000002327	3000002329	3000002173
35	26	380, 400, 415/50, 460/60	3000002335	3000008372	3000002174
40	30	380, 400, 415/50, 460/60	3000002343	3000008390	3000002175
50	37	380, 400, 415/50, 460/60	3000023468	3000008412	3000002176

STANDARD WINDINGS (380 - 415 / 460 VOLTS AND 50/60 Hz)

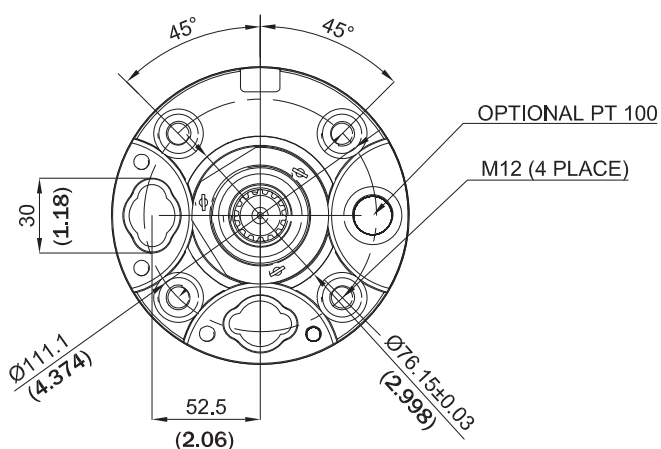
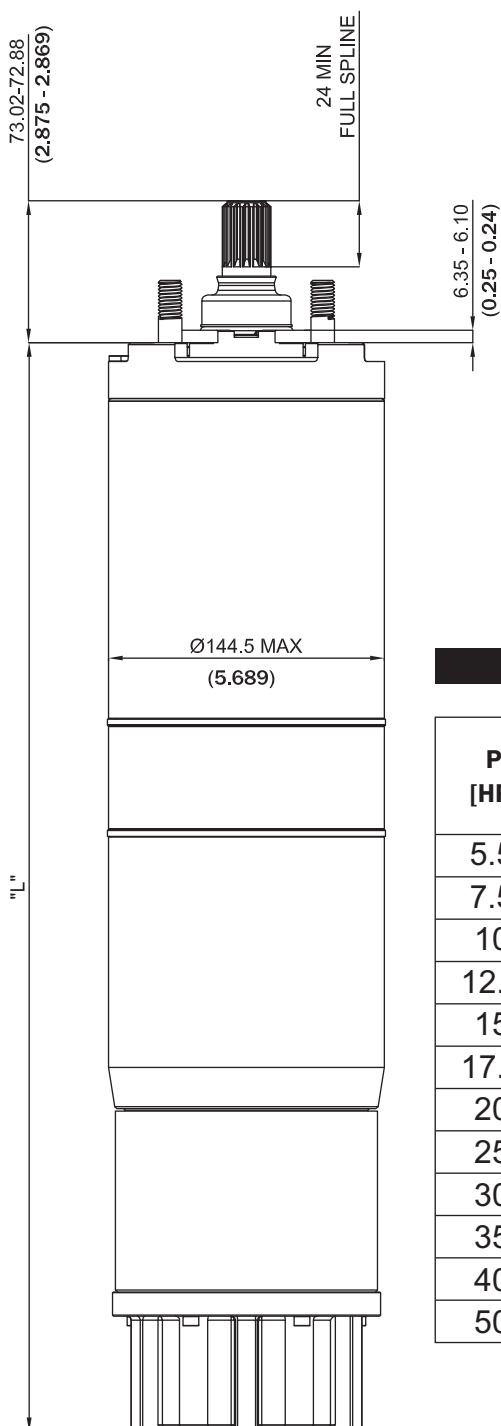
HP	[kW]	TURNS PER COIL	WIRE DIAMETER [MM]	TYPE OF ISOLATION	GROUP CONNECTION	TOTAL WIRE LENGTH [M]	RESISTANT COIL [Ω]	RESISTANT YΔ[Ω]	Resistant Dol (U1-V1) [Ω]
5.5	4	56+56+56+56	1.0/1.5	PVC	Series	540.0	4.76	5.0400	3.19
7.5	5.5	56+56+56+56	1.0/1.5	PVC	Series	540.0	4.76	5.0400	3.19
10	7.5	47+47+47+47	1.1/1.6	PVC	Series	500.0	3.6	3.9620	2.38
12.5	9.3	41+41+41+41	1.2/1.7	PVC	Series	466.0	2.8	2.9910	1.86
15	11	36+36+36+36	1.3/1.8	PVC	Series	436.0	2.2	2.3270	1.5
17.5	13	31+31+31+31	1.4/2.0	PVC	Series	400.0	1.75	1.8980	1.2
20	15	27+27+27+27	1.5/2.1	PVC	Series	395.0	1.52	1.5940	0.94
25	18.5	24+24+24+24	1.5/2.1	PVC	Series	362.0	1.2	1.2630	0.79
30	22	20+20+20+20	1.7/2.3	PVC	Series	342.0	0.8	0.8638	0.59
35	26	17+17+17+17	1.9/2.5	PVC	Series	330.0	0.86	0.9140	0.57
40	30	15+15+15+15	1.9/2.5	PVC	Series	624.0	0.64	1.0247	0.46
50	37	13+13+13+13	2.1/2.7	PVC	Series	302.0	0.56	0.6096	0.37

INSULATION RESISTANCE (20°C / 500 VDC)

NEW MOTOR WITHOUT DROP CABLE	200>M 46
USED MOTOR WITHOUT DROP CABLE	20>M 46
NEW MOTOR WITH DROP CABLE	2>M 46
USED MOTOR WITH DROP CABLE	0.5>M 46

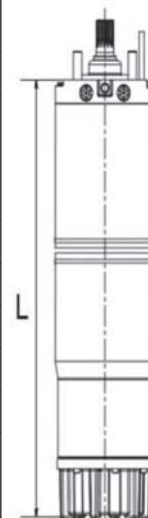
SUBMERSIBLE MOTORS			
Material	Cl, Stainless Steel 304/316	Rating	4kW-37kW/5.5HP-50HP
Type	Rewindable MTSFC/ MTSFN	Thrust Rating	15500-27500 N

Outline drawings



Motor Lengths & Weights

P _N [HP]	P _N [kW]	L [mm] 304	L [mm] 316	Motor Weights [kg]	
				Net Wt.	Incl. Packing
5.5	4	699	712	48	51
7.5	5.5	699	712	48	51
10	7.5	719	732	50	54
12.5	9.3	749	762	56	60
15	11	779	792	56	60
17.5	13	829	842	62	66
20	15	874	887	67	71
25	18.5	919	932	73	78
30	22	1009	1022	81	86
35	26	1114	1127	91	98
40	30	1214	1127	100	107
50	37	1294	1307	108	116





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