

SUBMERSIBLE MOTORS

6 INCH NG PREMIUM

PRODUCT INFORMATION & SERVICE MANUAL



SHAKTI

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6 INCH ENCAPSULATED NG PREMIUM MOTOR

6 INCH ENCAPSULATED NG PREMIUM

GENERAL DATA

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

Applications

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

Product advantages:

- Hermetically sealed stator, anti track, self healing stator resin prevents motor burn out.
- Removable “water bloc” lead connector.
- Cable material according to drinking water regulations.
- Max storage temperature -15 °C to +60 °C
- High efficiency electrical design for low cost operation.
- All motor pre-filled and 100% tested.
- Non contaminating, water-filled design.
- Standard motor in AISI SS 304

Technical Specification

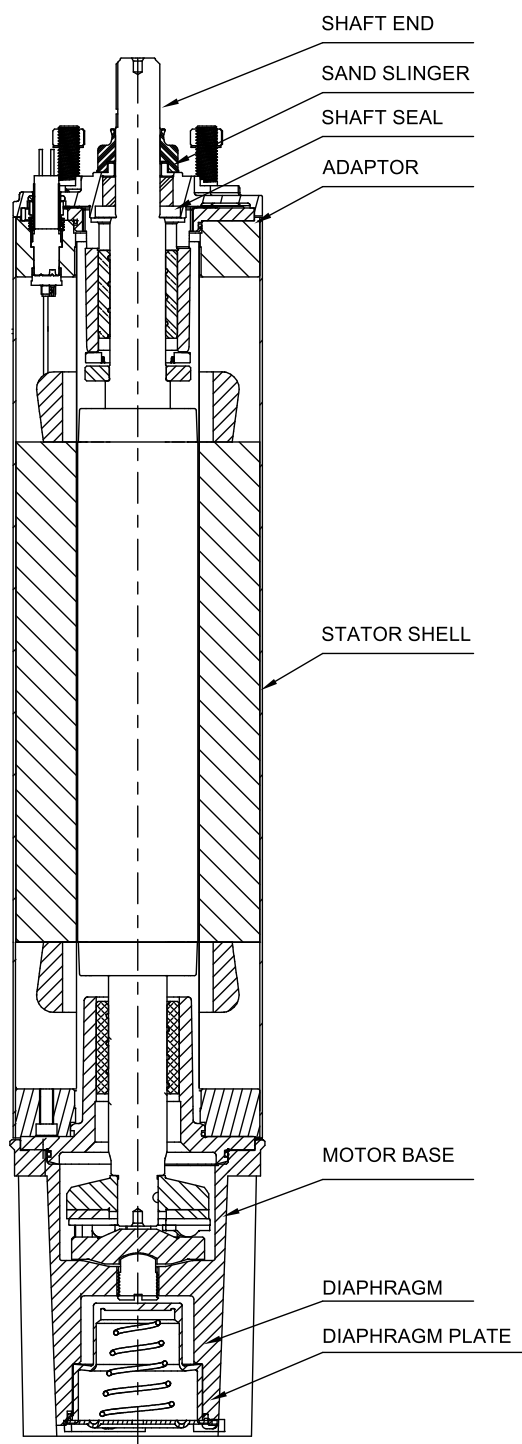
- Power range : 4 – 37 kW
- Flange : 150 mm NEMA flange
- Protection : IP68
- Starts per hour : 20
- Installation: vertical/horizontal
- Standard Voltage : 380-415V / 50 Hz, 460 / 60 Hz
- Voltage tolerance : 50 Hz from +6% / -10% UN
- Voltage tolerance : 60 Hz from ±10% UN
- Insulation : Class F
- Rated ambient temperature : (4kW - 30kW) 30 °C & from (37kW) 50 °C
- Cooling flow: Min 0.2 m/sec.

6 INCH ENCAPSULATED NG PREMIUM MOTOR

MOTOR MOC DIAGRAM

SUBMERSIBLE MOTORS			
Material	Stainless Steel 304	Rating	4 kW-37 kW / 5.5HP-50 HP
Type	Encapsulated	Thrust Rating	15500 - 27500 N

6" Encapsulated MOC (4 kW To 11 kW)



LIST OF MATERIAL

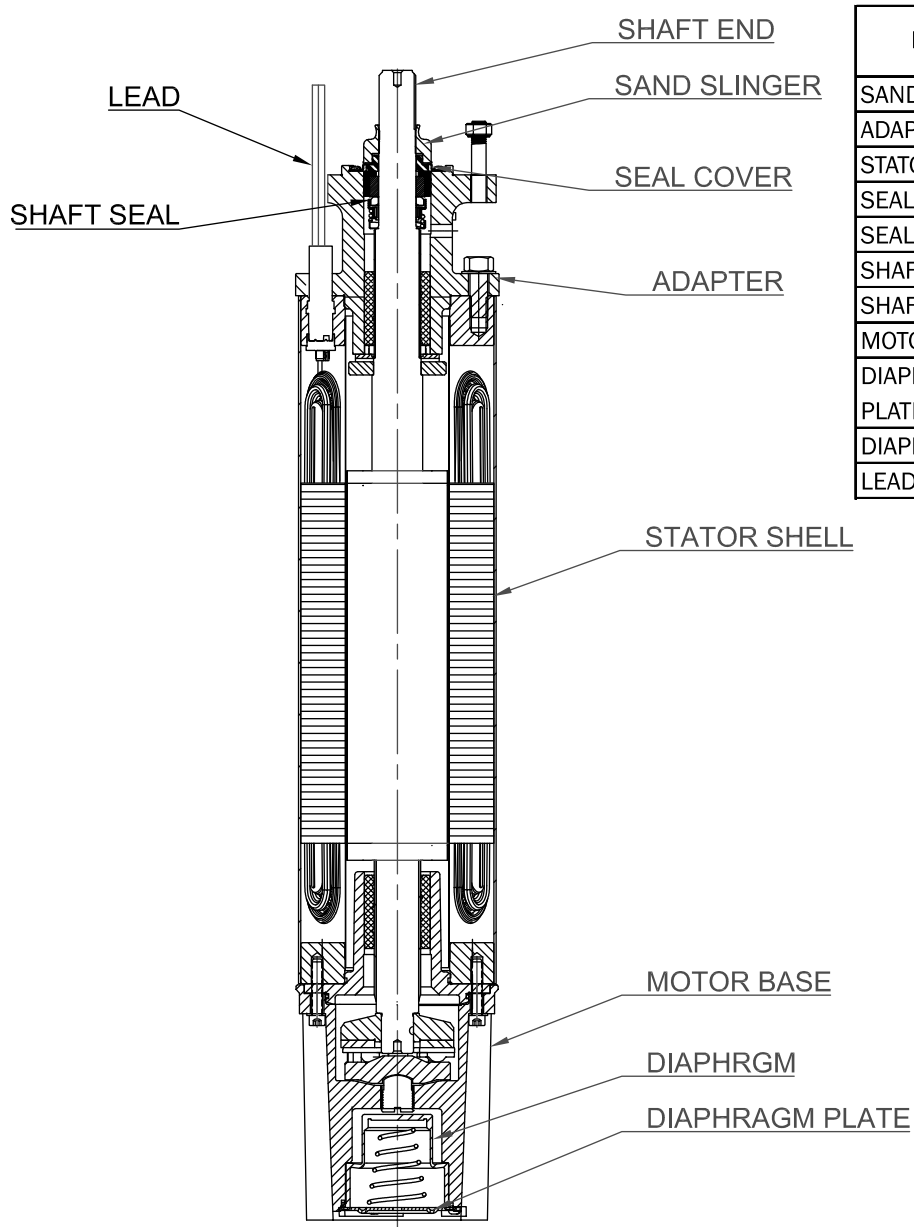
PART	MATERIAL
ADAPTOR	AISI SS 304
STATOR SHELL	AISI SS 304
SEALS	NBR
SAND SLINGER	NBR
SHAFT END	DUPLEX
SHAFT SEAL	SIC
MOTOR BASE	AISI SS 304
DIAPHRAGM	EPDM
DIAPHRAGM PLATE	AISI SS 304
LEAD	EPR

6 INCH ENCAPSULATED NG PREMIUM MOTOR

MOTOR OUTLINE DRAWING

SUBMERSIBLE MOTORS			
Material	Stainless Steel 304	Rating	4 kW-37 kW / 5.5HP-50 HP
Type	Encapsulated	Thrust Rating	15500 - 27500 N

6" Encapsulated MOC (15 kW To 37 kW)



PART	MATERIAL	
	AISI SS 304	AISI SS 316
SAND SLINGER	NBR	NBR
ADAPTER	AISI SS 304	AISI SS 316
STATOR SHELL	AISI SS 304	AISI SS 316
SEAL COVER	AISI SS 304	AISI SS 316
SEALS	NBR	NBR
SHAFT END	DUPLEX	DUPLEX
SHAFT SEAL	SiC	SiC
MOTOR BASE	AISI SS 304	AISI SS 316
DIAPHRAGM PLATE	AISI SS 304	AISI SS 316
DIAPHRAGM	EPDM	EPDM
LEAD	XLPE	XLPE

6 INCH ENCAPSULATED NG PREMIUM MOTOR

MOTOR PERFORMANCE DATA NG PREMIUM

SUBMERSIBLE MOTORS			
Material	Stainless Steel 304	Rating	4 kW-37 kW / 5.5HP-50 HP
Type	Encapsulated	Thrust Rating	15500 - 27500 N

Encapsulated Motors - Model Numbers 50 / 60Hz

[HP]	[KW]	[V/Hz]	CONNECTION SINGLE CABLE
			SS
5.5	4	380/400/415 50 Hz	9000029653
		460 60 Hz	
7.5	5.5	380/400/415 50 Hz	9000029654
		460 60 Hz	
10	7.5	380/400/415 50 Hz	9000029655
		460 60 Hz	
15	11	380/400/415 50 Hz	9000029656
		460 60 Hz	
20	15	380/400/415 50 Hz	9000029657
		460 60 Hz	
25	18.5	380/400/415 50 Hz	9000029723
		460 60 Hz	
30	22	380/400/415 50 Hz	9000029895
		460 60 Hz	
40	30	380/400/415 50 Hz	9000029896
		460 60 Hz	
50	37	380/400/415 50 Hz	9000029897
		460 60 Hz	

Encapsulated Motors - Model Numbers 60Hz

[HP]	[KW]	[V/Hz]	CONNECTION SINGLE CABLE
			SS
5.5	4	220 60Hz	9000029730
7.5	5.5	220 60Hz	9000029731
10	7.5	220 60Hz	9000029732
15	11	220 60Hz	9000029733
20	15	220 60Hz	9000029734
25	18.5	220 60Hz	9000029735
30	22	220 60Hz	9000029999

6 INCH ENCAPSULATED NG PREMIUM MOTOR

MOTOR PERFORMANCE DATA NG PREMIUM

SUBMERSIBLE MOTORS			
Material	Stainless Steel 304	Rating	4 kW-37 kW / 5.5HP-50 HP
Type	Encapsulated	Thrust Rating	15500 - 27500 N

Encapsulated Motors - Model Numbers 60Hz

[HP]	[KW]	[V/Hz]	CONNECTION SINGLE CABLE
			SS
5.5	4	230 60Hz	9000029736
7.5	5.5	230 60Hz	9000029737
10	7.5	230 60Hz	9000029738
15	11	230 60Hz	9000029739
20	15	230 60Hz	9000029740
25	18.5	230 60Hz	9000029741
30	22	230 60Hz	9000030000

[HP]	[KW]	[V/Hz]	CONNECTION SINGLE CABLE
			SS
5.5	4	380 60Hz	9000029742
7.5	5.5	380 60Hz	9000029743
10	7.5	380 60Hz	9000029744
15	11	380 60Hz	9000029745
20	15	380 60Hz	9000029746
25	18.5	380 60Hz	9000029747
30	22	380 60Hz	9000030001

[HP]	[KW]	[V/Hz]	CONNECTION SINGLE CABLE
			SS
5.5	4	460 60Hz	9000029724
7.5	5.5	460 60Hz	9000029725
10	7.5	460 60Hz	9000029726
15	11	460 60Hz	9000029727
20	15	460 60Hz	9000029728
25	18.5	460 60Hz	9000029729
30	22	460 60Hz	9000029998

6 INCH ENCAPSULATED NG PREMIUM MOTOR

MOTOR PERFORMANCE DATA NG PREMIUM

SUBMERSIBLE MOTORS			
Material	Stainless Steel 304	Rating	4 kW-37 kW / 5.5HP-50 HP
Type	Encapsulated	Thrust Rating	15500 - 27500 N

6" Encapsulated Motors Performance Data 50 Hz

[kW]	Thrust	U _N	n _N	I _N	I _A	Efficiency at [%] load			Power Factor at [%] load			T _N	T _A
	F[N]	[V]	[min ⁻¹]	[A]	[A]	50	75	100	50	75	100	[Nm]	[Nm]
4.0	15500	380	2840	9.5	43	78	80	79	0.75	0.81	0.82	13.5	19.2
		400	2860	9.3	42	78	80	79	0.72	0.78	0.79	13.4	20.1
		415	2880	9.3	42	78	80	79	0.70	0.75	0.76	13.6	21.8
5.5	15500	380	2850	12.3	55	81	82	82	0.80	0.81	0.83	18.5	31.5
		400	2870	12.2	55	81	82	82	0.75	0.78	0.80	18.6	34.4
		415	2880	12.5	56	81	82	81	0.74	0.75	0.76	18.7	35.6
7.5	15500	380	2850	16.3	73	81	82	82	0.84	0.85	0.86	25.0	43.7
		400	2860	16	72	81	82	82	0.80	0.82	0.83	24.9	44.8
		415	2880	16.2	73	81	83	82	0.76	0.78	0.79	24.8	47.9
11.0	15500	380	2860	23.4	112	81	82	82	0.85	0.87	0.88	36.7	66.0
		400	2860	23.2	111	81	82	82	0.76	0.80	0.84	36.8	70.0
		415	2870	23.2	111	80	82	82	0.74	0.79	0.81	36.9	75.7
15.0	27500	380	2850	31.5	154	84	84	83	0.79	0.82	0.87	50.9	80.4
		400	2860	31.3	153	83	84	83	0.75	0.78	0.85	51.4	87.0
		415	2870	31	152	83	83	83	0.71	0.73	0.83	51.7	93.0
18.5	27500	380	2850	38.1	187	81	84	83	0.82	0.86	0.88	62.0	111.7
		400	2850	37.7	185	81	84	83	0.79	0.84	0.86	63.0	121.0
		415	2850	37.8	185	81	84	83	0.75	0.82	0.83	63.4	126.8
22.0	27500	380	2840	46.5	233	81	83	83	0.81	0.86	0.88	74.4	139.8
		400	2860	45.2	226	80	82	82	0.76	0.81	0.86	75.4	151.0
		415	2870	45	225	79	81	82	0.72	0.77	0.83	75.7	159.0
30.0	27500	380	2860	63.2	310	84	84	84	0.76	0.80	0.86	99.5	208.0
		400	2860	63.3	310	83	84	84	0.72	0.76	0.82	100.8	221.0
		415	2880	64.4	316	82	83	84	0.69	0.72	0.79	101.6	236.0
37.0	27500	380	2863	77.6	388	82	84	84	0.77	0.82	0.87	123.5	240.8
		400	2878	76.7	384	81	83	84	0.74	0.77	0.83	124.9	255.9
		415	2885	77.4	387	80	83	84	0.69	0.74	0.80	125.7	265.3

6 INCH ENCAPSULATED NG PREMIUM MOTOR

MOTOR PERFORMANCE DATA NG PREMIUM

SUBMERSIBLE MOTORS			
Material	Stainless Steel 304	Rating	4 kW-37 kW / 5.5HP-50 HP
Type	Encapsulated	Thrust Rating	15500 - 27500 N

6" Encapsulated Motors Performance Data 60 Hz

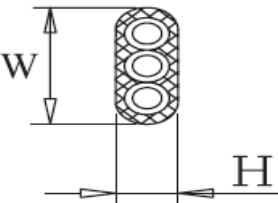
[kW]	Volts	HZ	S.F	Full load		Maximum Load		Line to Line resistance Ohms	Efficiency %		Locked rotor amps
				Amps	Watts	Amps	Watts		S.F	F.L	
4.0	220	60	1.15	15	5000	17.3	5750	0.75-0.92	80	80	78
	230	60	1.15	15	5070	17.3	5830	0.75 - 0.92	80	80	78
	380	60	1.15	9.1	5100	10.3	5850	2.2-2.7	78	79	46
	460	60	1.15	7.5	5150	8.6	5900	2.72-3.33	79	79	39
5.5	220	60	1.15	22.4	6900	25.7	7950	0.43 - 0.52	80	80	116
	230	60	1.15	21.3	7000	24.6	8050	0.43 - 0.52	80	80	111
	380	60	1.15	12.8	6950	14.7	8000	1.28 - 1.57	80	80	66
	460	60	1.15	10.6	6750	12.2	7750	1.55-1.9	82	82	55
7.5	220	60	1.15	29.1	9250	33.5	10650	0.29 - 0.36	81	81	151
	230	60	1.15	28.4	9350	32.0	10600	0.29 - 0.36	81	81	144
	380	60	1.15	16.7	9200	19.2	10600	0.9-1.1	81	81	86
	460	60	1.15	14.1	9250	16.1	10600	1.17-1.43	82	81	72
11.0	220	60	1.15	41.6	13700	47.8	15750	0.21- 0.26	81	81	234
	230	60	1.15	41	13700	47.2	15750	0.21- 0.26	81	81	231
	380	60	1.15	23.8	13600	27.4	15600	0.64 - 0.79	81	81	134
	460	60	1.15	20.3	13500	23.5	15500	0.72-0.89	82	82	115
15.0	220	60	1.15	53.9	18000	61.0	20680	0.16 - 0.19	83	83	299
	230	60	1.15	53.6	18200	60.5	20900	0.16 - 0.19	83	83	296
	380	60	1.15	31.1	18050	36.0	20750	0.48 - 0.59	83	83	176
	460	60	1.15	26.8	18400	30.3	21150	0.63-0.78	83	83	148
18.5	220	60	1.15	67.5	22300	77.0	25650	0.12- 0.15	83	84	385
	230	60	1.15	67	22550	76.4	25930	0.12- 0.15	84	84	382
	380	60	1.15	38	22075	44.0	25400	0.37- 0.46	83	84	220
	460	60	1.15	33	22300	37.9	25600	0.52-0.63	83	83	190
22.0	220	60	1.15	78.3	26100	90.0	30000	0.10- 0.13	84	84	441
	230	60	1.15	78.8	26440	90.4	30450	0.10- 0.13	83	82	443
	380	60	1.15	44.9	26100	51.6	30000	0.32- 0.39	84	84	253
	460	60	1.15	39.5	26900	45.1	30600	0.33-0.40	83	82	221

6 INCH ENCAPSULATED NG PREMIUM MOTOR

6 INCH NG PREMIUM MOTOR LEAD

SUBMERSIBLE MOTORS			
Material	Stainless Steel 304	Rating	4 kW-37 kW / 5.5HP-50 HP
Type	Encapsulated	Thrust Rating	15500 - 27500 N

6" Encapsulated Motors Leads (4 kW To 37 kW)

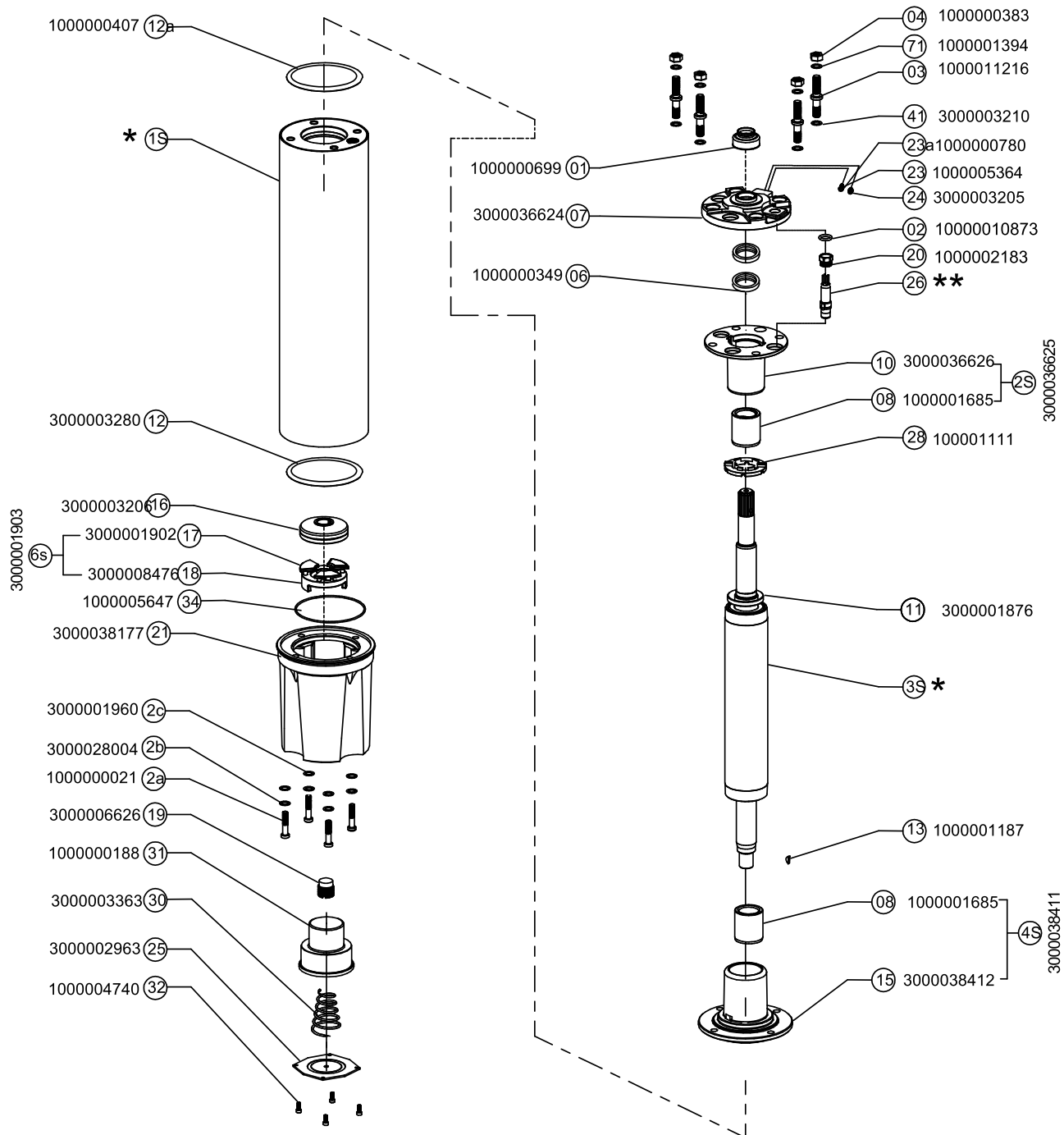
LEAD	[kW]	[HP]	Ø[mm ²]	WXH[mm]	L[m]
	4.0-7.5	5.5-10	2.5X3	13X6.2	3
	11.0-22.0	15.0-30.0	4X3	15.3X7.1	
	30	40	6X3	19.2X8.4	
	37	50	10X3	24.2X10.4	

6 INCH ENCAPSULATED NG PREMIUM MOTOR

EXPLODED VIEW NG PREMIUM

SUBMERSIBLE MOTORS			
Material	Stainless Steel 304	Rating	4 kW-37 kW / 5.5HP-50 HP
Type	Encapsulated	Thrust Rating	15500 - 27500 N

Exploded View (4 kW To 11 kW)



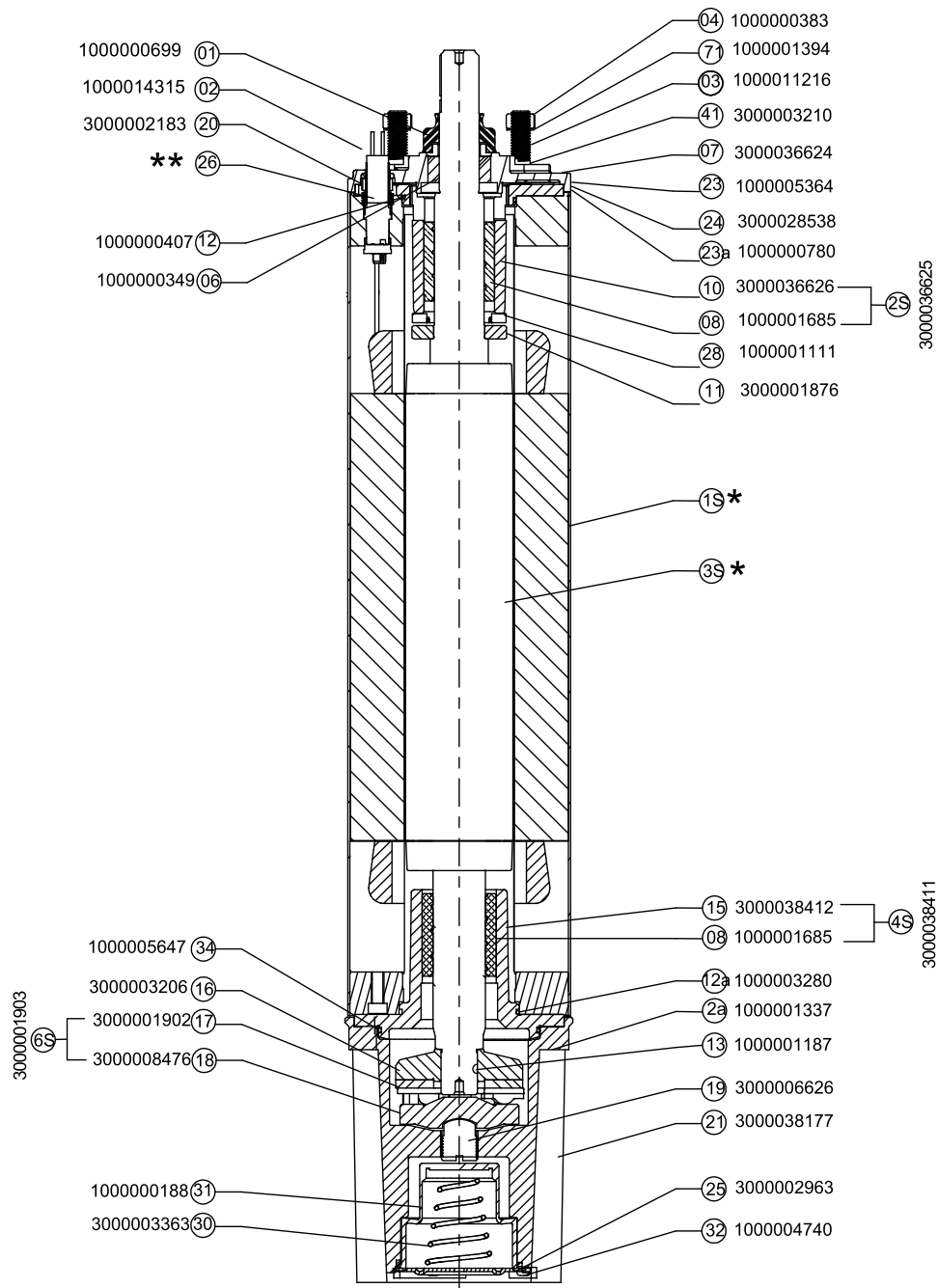
NOTE:- * INDICATE AS PER (HP)
 ** INDICATE AS PER MODEL

6 INCH ENCAPSULATED NG PREMIUM MOTOR

MOTOR SECTIONAL VIEW NG PREMIUM

SUBMERSIBLE MOTORS			
Material	Stainless Steel 304	Rating	4 kW-37 kW / 5.5HP-50 HP
Type	Encapsulated	Thrust Rating	15500 - 27500 N

Sectional View (4 kW To 11 kW)



NOTE:-* INDICATE AS PER (HP)
 ** INDICATE AS PER MODEL

6 INCH ENCAPSULATED NG PREMIUM MOTOR

PART LIST NG PREMIUM

SUBMERSIBLE MOTORS			
Material	Stainless Steel 304	Rating	4 kW-37 kW / 5.5HP-50 HP
Type	Encapsulated	Thrust Rating	15500 - 27500 N

Part List (4 kW To 11 kW)

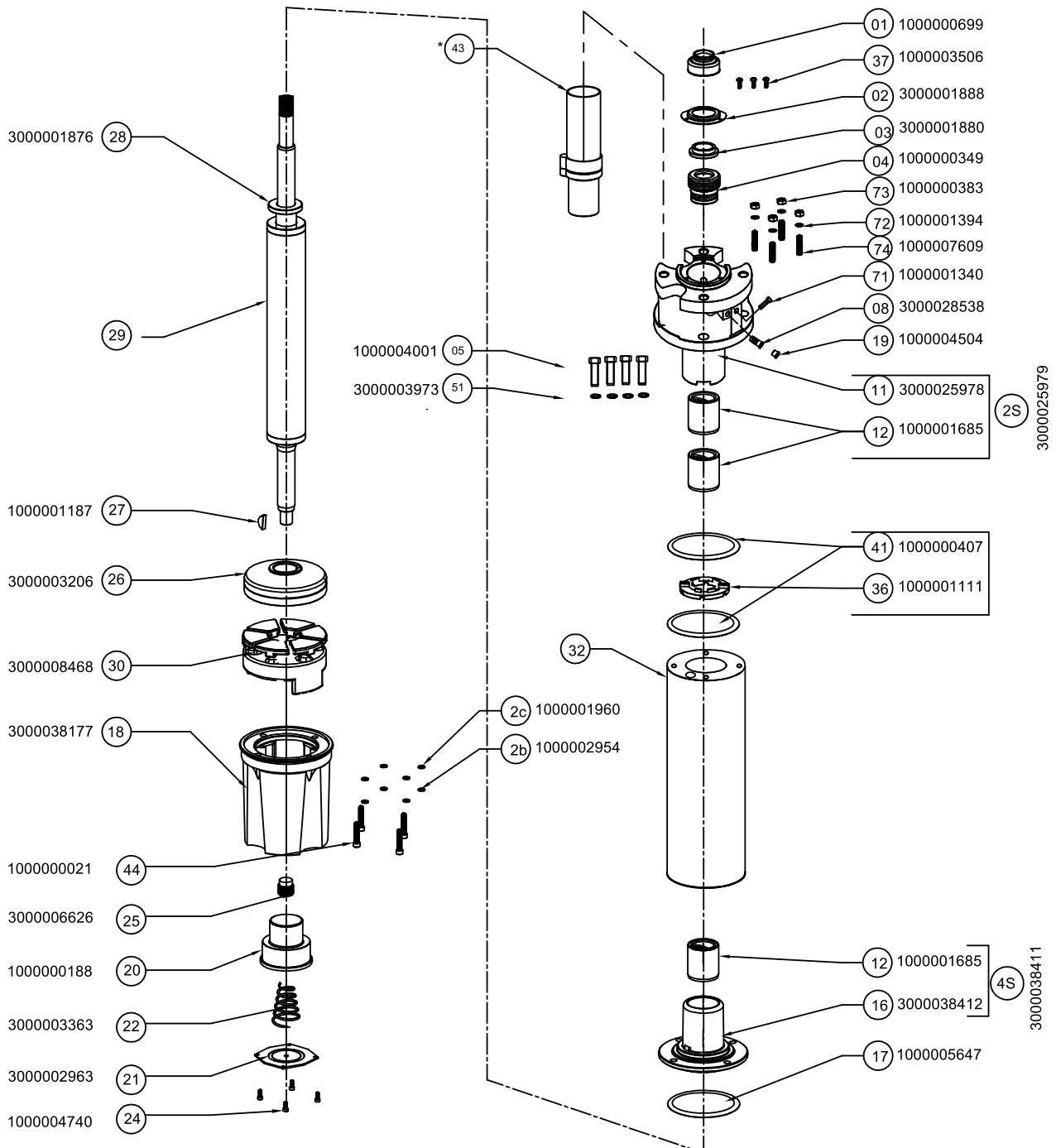
POS.	MATERIAL CODE	DESCRIPTION	QTY	MATERIAL
01	1000000699	SAND SLINGER	1	NBR
06	1000000349	MECHANICAL SEAL	2	NA
04	1000000383	NUT M12(HH)	4	AISI SS-304
71	1000001394	SPRING WASHER M12	4	AISI SS-304
03	1000011216	STUD(M12)	4	AISI SS-304
41	3000003210	GASKET WASHER	4	CAF GASKET
02	1000010873	O-RING ID 14.5X3.25 C/S	1	NBR
20	1000002183	CONNECTOR LUG	1	AISI SS-304
26	**	CONNECTOR FEMALE	1	NA
07	3000036624	ADAPTER	1	AISI SS-304
24	3000028538	PRV ASSLY	1	NA
23	1000005364	ALLEN BOLT M5X5	1	AISI SS-304
23a	1000000780	SPRING WASHER M5	1	AISI SS-304
28	1000001111	UPTHRUST BEARING	1	Noryl Glass Filled
10	3000036626	END BELL UPPER M/C	1	CI FG-260
08	1000001685	CARBON BUSH	1	REGIN IMPREGATED CARBON
11	3000001876	UPTHRUST WASHER	1	AISI SS-304
	*	ROTOR SUB ASSLY	1	NA
13	1000001187	WOOD RUFF KEY	1	EN8
08	1000001685	CARBON BUSH	1	REGIN IMPREGATED CARBON
15	3000038412	END BELL LOWER MC	1	NA
12	1000000407	O RING ID 65X2.5 C/S	1	STD
12a	1000003280	O RING 62X3.0	1	STD
34	1000005647	O RING 96X2.5		STD
	*	STATOR ASSLY M/C	1	NA
16	3000003206	REVOLVING PLATE ASSLY	1	NA
17	3000001902	THRUST BRG. SEG.	1	NA
18	3000008476	THRUST BRG. PLT	1	AISI SS -420
2c	1000001960	O RING M8	4	NBR
2b	3000002954	COPPER WASHER	4	COPPER
21	3000038177	MOTOR BASE	1	AISI SS -304
19	3000006626	ADJUSTING STUD	1	AISI SS -304
31	1000000188	DIAPHRAGM	1	EPDM
30	3000003363	DIAPHRAGM SPRING	1	AISI SS-304
25	3000002963	DIAPHRAGM COVER	1	AISI SS -304
32	1000004740	ALLEN BOLT M4X10	4	AISI SS -304

6 INCH ENCAPSULATED NG PREMIUM MOTOR

EXPLODED VIEW NG PREMIUM

SUBMERSIBLE MOTORS			
Material	Stainless Steel 304	Rating	4 kW-37 kW / 5.5HP-50 HP
Type	Encapsulated	Thrust Rating	15500 - 27500 N

Exploded View (15 kW To 22 kW)



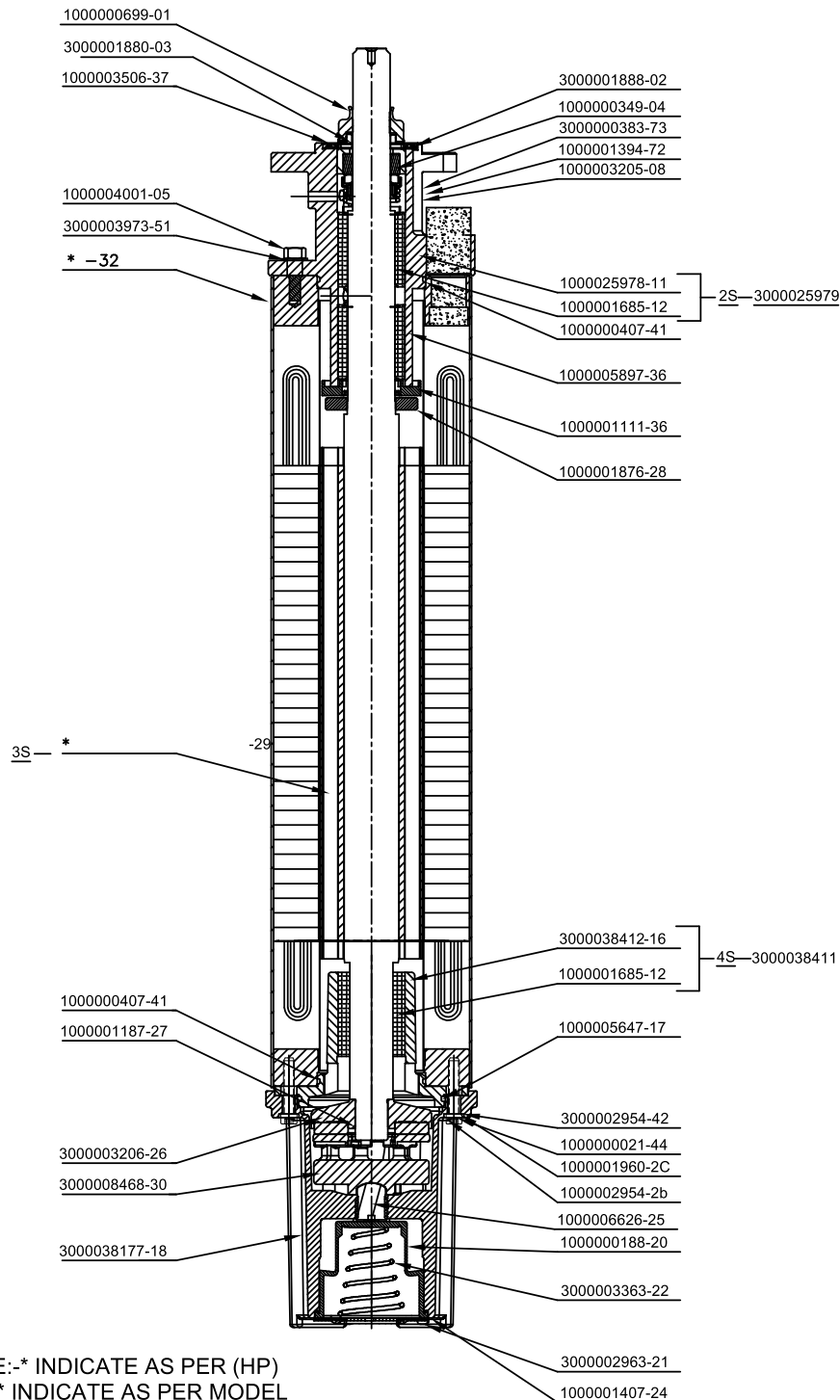
NOTE:-* INDICATE AS PER (HP)
 ** INDICATE AS PER MODEL

6 INCH ENCAPSULATED NG PREMIUM MOTOR

MOTOR SECTIONAL VIEW NG PREMIUM

SUBMERSIBLE MOTORS			
Material	Stainless Steel 304	Rating	4 kW-37 kW / 5.5HP-50 HP
Type	Encapsulated	Thrust Rating	15500 - 27500 N

Sectional View (15 kW To 22 kW)



NOTE:-* INDICATE AS PER (HP)
 ** INDICATE AS PER MODEL

6 INCH ENCAPSULATED NG PREMIUM MOTOR

PART LIST NG PREMIUM

SUBMERSIBLE MOTORS			
Material	Stainless Steel 304	Rating	4 kW-37 kW / 5.5HP-50 HP
Type	Encapsulated	Thrust Rating	15500 - 27500 N

Part List (15 kW To 22 kW)

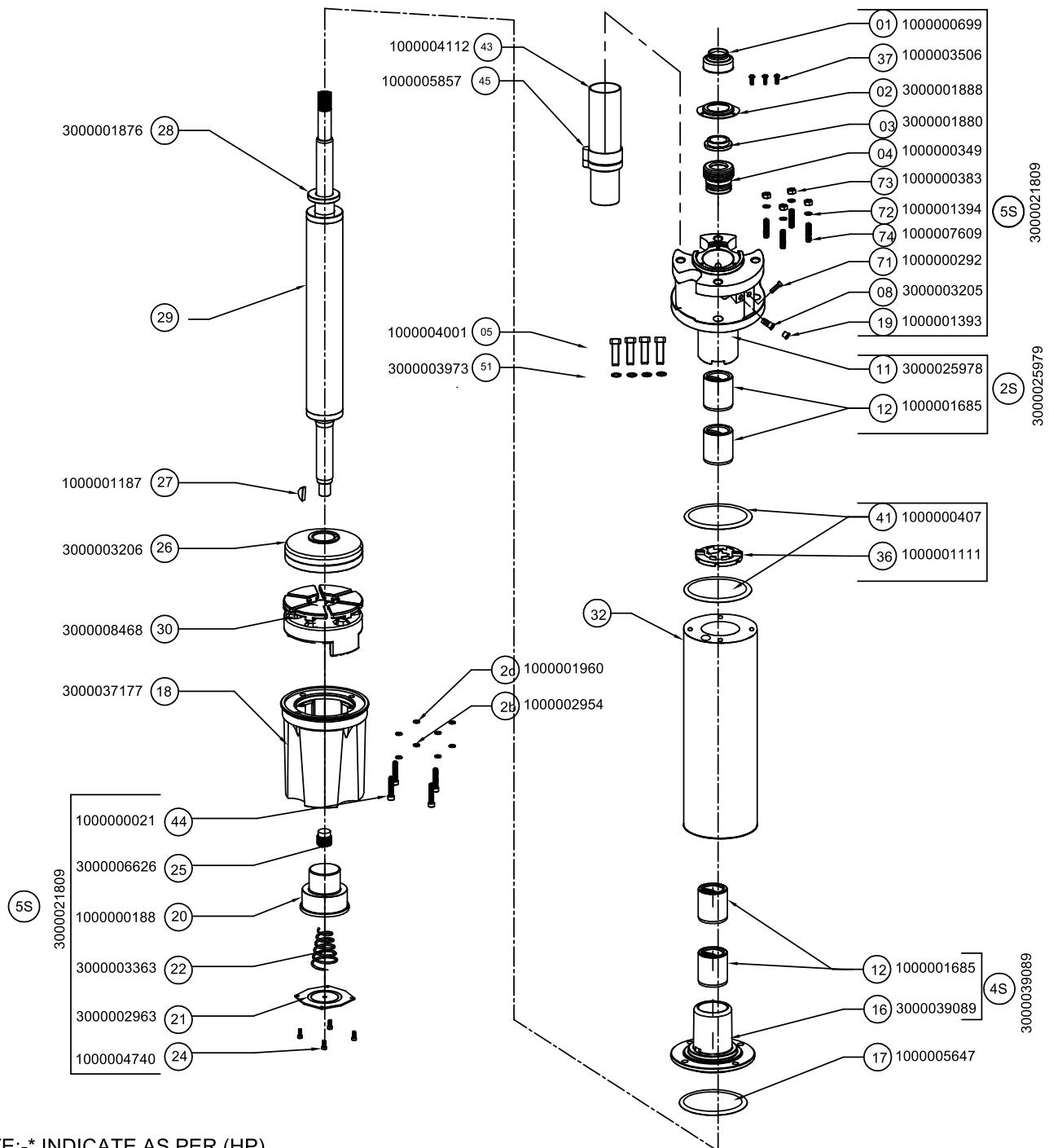
GROUP	POS	MATERIAL CODE	PART DESCRIPTION	QTY	MATERIAL
	01	1000000699	SAND SLINGER	1	NBR
	37	1000003506	SLOTTED THREADCUT SCREW	3	AISI SS -304
	02	3000001888	DUST COVER	1	AISI SS -304
	03	3000001880	DUST COVER BUSH	1	LTB-2
	04	1000000349	MECH SEAL	1	N/A
	73	3000000383	HEX BOLT M8	4	AISI SS -304
	72	1000001394	WASHER M8	4	AISI SS -304
	71	1000001340	ALLEN BOLT M8X12(SS 304)	1	AISI SS -304
	41	1000000407	O-RING ID 69 x 2.5	2	EPDM
	36	1000001111	UP THRUST BAERING	1	PP
	19	1000004504	FILTER CAP(GREEN)	1	PP
	08	3000003205	PRESSURE RELIEF VALVE ASSLY.	1	N/A
2S 3000025979	11	3000025978	UPPER HOUSING	1	AISI SS -304
	12	1000001685	BUSH CARBON	2	REGIN IMPRE-GNATED CARBON
	8	1000000056	BUSH CARBON	1	REGIN IMPREGNATED CARBON
	39	3000008508	WINDING COVER	1	CI FG-260
4S 3000021805	12	1000001685	BUSH CARBON	1	REGIN IMPRE-GNATED CARBON
	16	3000021806	LOWER END BELL	1	CI FG - 260
	21	3000008466	THRUST BEARING HOUSING	1	CI FG-260
	17	10000005647	O-RING	1	EPDM
	44	1000000021	ALLEN BOLT M8X40	4	AISI SS -304
	2b	1000001960	O RING M8	4	NBR
	2c	1000002954	SS WASHER 8X 12 X 1 MM	4	AISI SS -304
	20	1000000188	DIAPHRAGM	1	EPDM
	22	3000003363	DIAPHRAGM SPRING	1	AISI SS -304
	24	1000004740	ALLEN BOLT M4X8	4	AISI SS -304
	21	3000002963	MOTOR BASE COVER	1	AISI SS -304
	18	3000038177	MOTOR BASE	1	AISI SS -304
	50	1000004001	HEX BOLT M12x35	4	AISI SS -304
	51	3000003973	PLANE WASHER	4	AISI SS -304
	28	3000001876	UP THRUST PLATE	1	CI FG - 260
	26	3000003206	REVOLVING PLATE	1	CI FG-260
	30	3000008468	THRUST BRG.	3	AISI SS 420
	25	3000006626	ADJUSTING STUD	1	DUPLEX
	27	1000001187	WOODRUFF KEY	1	En8

6 INCH ENCAPSULATED NG PREMIUM MOTOR

EXPLODED VIEW NG PREMIUM

SUBMERSIBLE MOTORS			
Material	Stainless Steel 304	Rating	4 kW-37 kW / 5.5HP-50 HP
Type	Encapsulated	Thrust Rating	15500 - 27500 N

Exploded View (30 kW To 37 kW)



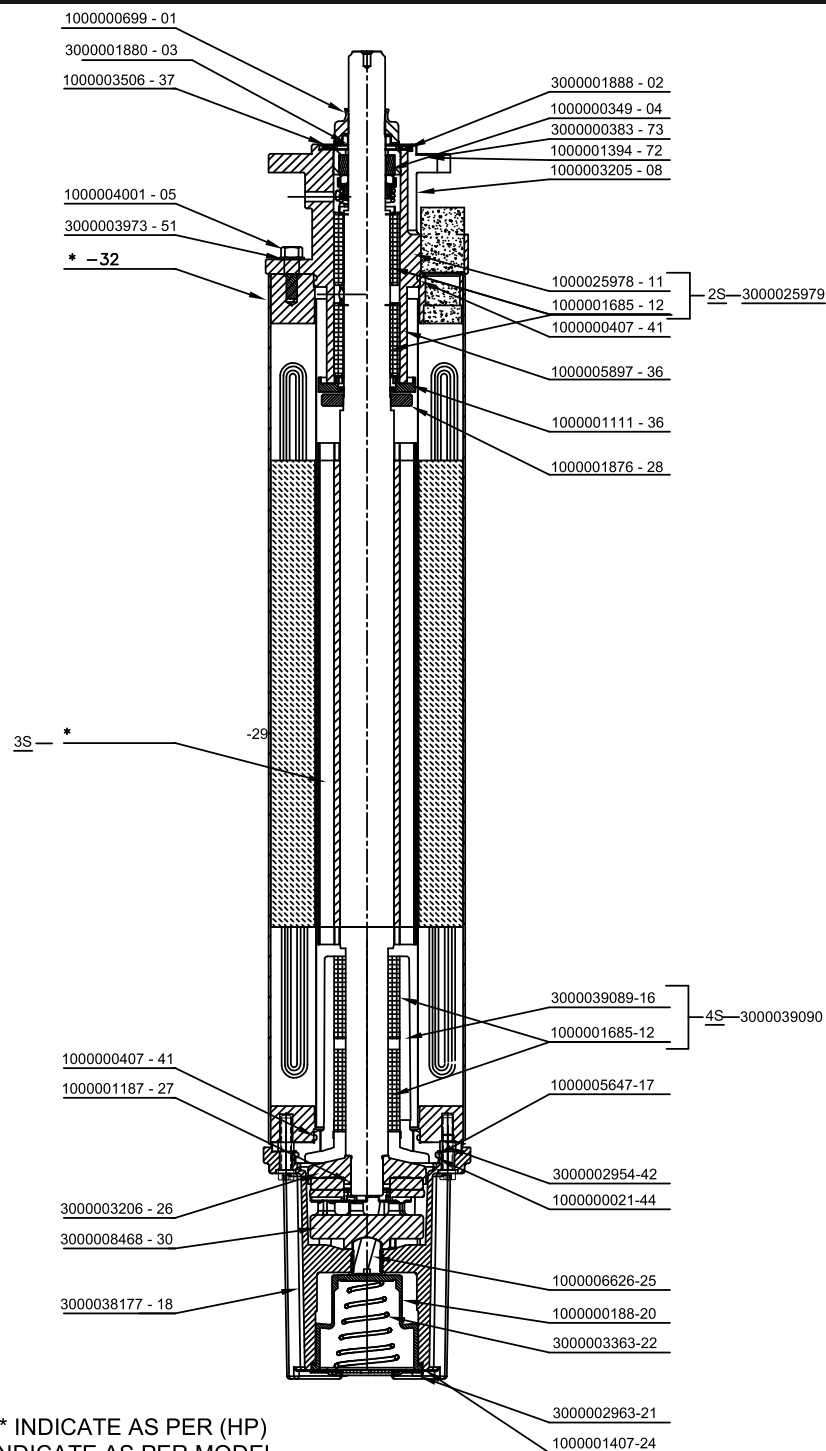
NOTE:-* INDICATE AS PER (HP)
 ** INDICATE AS PER MODEL

6 INCH ENCAPSULATED NG PREMIUM MOTOR

MOTOR SECTIONAL VIEW NG PREMIUM

SUBMERSIBLE MOTORS			
Material	Stainless Steel 304	Rating	4 kW-37 kW / 5.5HP-50 HP
Type	Encapsulated	Thrust Rating	15500 - 27500 N

Sectional View (30 kW To 37 kW)



NOTE:-* INDICATE AS PER (HP)
** INDICATE AS PER MODEL

6 INCH ENCAPSULATED NG PREMIUM MOTOR

PART LIST NG PREMIUM

SUBMERSIBLE MOTORS			
Material	Stainless Steel 304	Rating	4 kW-37 kW / 5.5HP-50 HP
Type	Encapsulated	Thrust Rating	15500 - 27500 N

Part List (30 kW To 37 kW)

GROUP	POS	MATERIAL CODE	PART DESCRIPTION	QTY	MATERIAL
	01	1000000699	SAND SLINGER	1	NBR
	37	1000003506	SLOTTED THREADCUT SCREW	3	AISI SS -304
	02	3000001888	DUST COVER	1	AISI SS -304
	03	3000001880	DUST COVER BUSH	1	LTB-2
	04	1000000349	MECH SEAL	1	N/A
	73	3000000383	HEX BOLT M8	4	AISI SS -304
	72	1000001394	WASHER M8	4	AISI SS -304
	71	1000001340	ALLEN BOLT M8X12(SS 304)	1	AISI SS -304
	41	1000000407	O-RING ID 69 x 2.5	2	EPDM
	36	1000001111	UP THRUST BAERING	1	PP
	19	1000004504	FILTER CAP(GREEN)	1	PP
	08	3000003205	PRESSURE RELIEF VALVE ASSLY.	1	N/A
2S 3000025979	11	3000025978	UPPER HOUSING	1	AISI SS -304
	12	1000001685	BUSH CARBON	2	REGIN IMPRE-GNATED CARBON
	8	1000000056	BUSH CARBON	1	REGIN IMPREGNATED CARBON
	39	3000008508	WINDING COVER	1	CI FG-260
4S 3000021805	12	1000001685	BUSH CARBON	2	REGIN IMPRE-GNATED CARBON
	16	3000021806	LOWER END BELL	1	CI FG - 260
	21	3000008466	THRUST BEARING HOUSING	1	CI FG-260
	17	10000005647	O-RING	1	EPDM
	44	1000000021	ALLEN BOLT M8X40	4	AISI SS -304
	2b	1000001960	O RING M8	4	NBR
	2c	1000002954	SS WASHER 8X 12 X 1 MM	4	AISI SS -304
	20	1000000188	DIAPHRAGM	1	EPDM
	22	3000003363	DIAPHRAGM SPRING	1	AISI SS -304
	24	1000004740	ALLEN BOLT M4X8	4	AISI SS -304
	21	3000002963	MOTOR BASE COVER	1	AISI SS -304
	18	3000038177	MOTOR BASE	1	AISI SS 304
	50	1000004001	HEX BOLT M12X35	4	AISI SS -304
	51	3000003973	PLANE WASHER	4	AISI SS -304
	28	3000001876	UP THRUST PLATE	1	CI FG - 260
	26	3000003206	REVOLVING PLATE	1	CI FG-260
	30	3000008468	THRUST BRG.	3	AISI SS -420
	25	3000006626	ADJUSTING STUD	1	DUPLEX
	27	1000001187	WOODRUFF KEY	1	En8

6 INCH ENCAPSULATED NG PREMIUM MOTOR

STATOR AND ROTOR SPARE PARTS NUMBERS

SUBMERSIBLE MOTORS			
Material	Stainless Steel 304	Rating	4 kW-37 kW / 5.5HP-50 HP
Type	Encapsulated	Thrust Rating	15500 - 27500 N

Replacement Rotor Assembly

POS	P _N	P _N	MODEL NO
	[HP]	[kW]	
12.01	5.5	4	3000038288
12.02	7.5	5.5	3000038289
12.03	10	7.5	3000038290
12.04	15	11	3000038291
12.05	20	15	3000038292
12.06	25	18.5	3000038293
12.07	30	22	3000038670
12.08	40	30	3000039049
12.09	50	37	3000039050

Replacement Stator Assembly

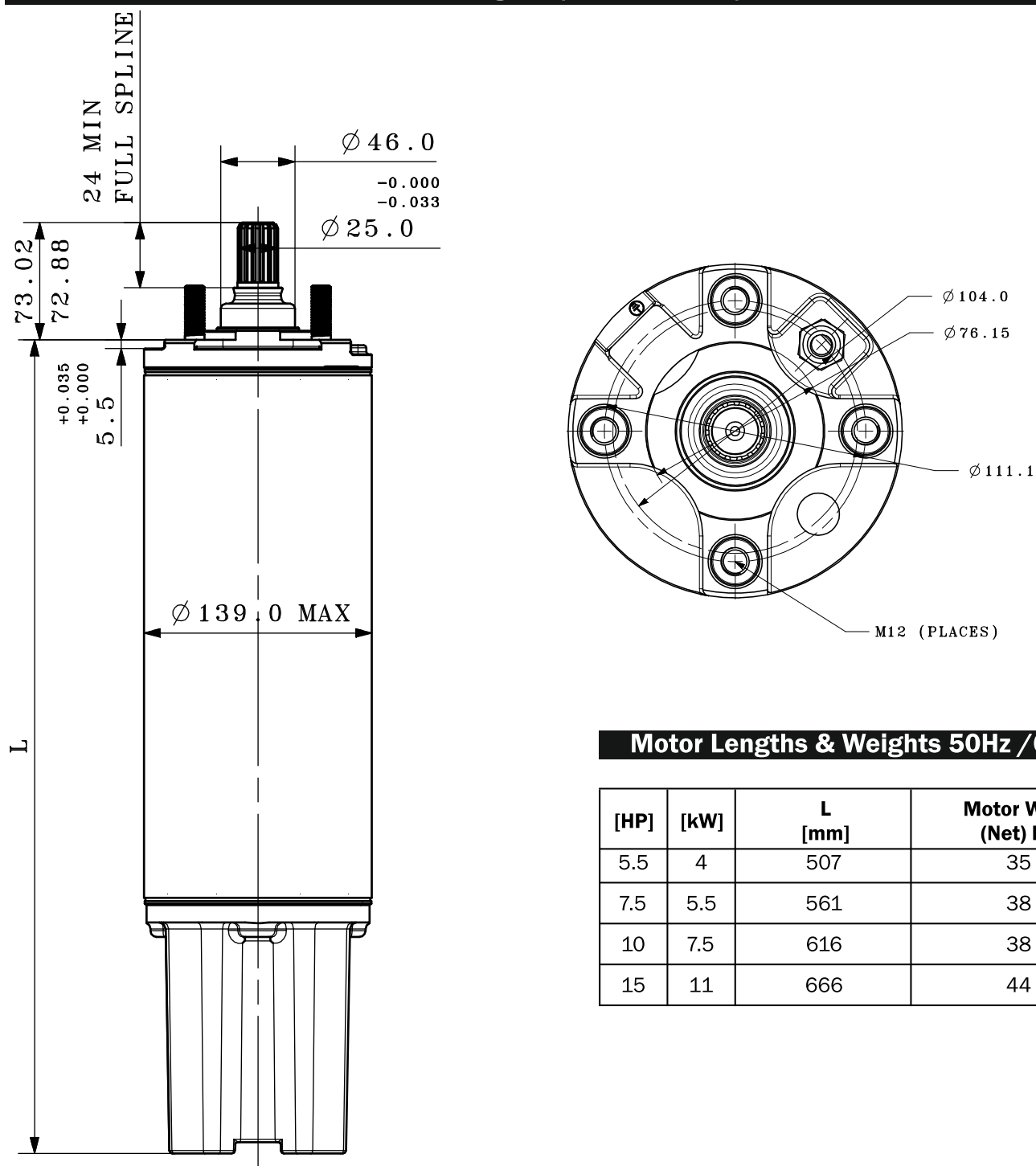
POS	P _N [HP]	P _N [kW]	MODEL NO
14.01	5.5	4	3000038366
14.02	7.5	5.5	3000038367
14.03	10	7.5	3000038368
14.04	15	11	3000038369
14.05	20	15	3000038370
14.06	25	18.5	3000038416
14.07	30	22	3000038757
14.08	40	30	3000038758
14.09	50	37	3000038759

6 INCH ENCAPSULATED NG PREMIUM MOTOR

MOTOR OUTLINE DIAGRAM

SUBMERSIBLE MOTORS			
Material	Stainless Steel 304	Rating	4 kW-37 kW / 5.5HP-50 HP
Type	Encapsulated	Thrust Rating	15500 - 27500 N

Outline Diagram (4 kW To 11 kW)



Motor Lengths & Weights 50Hz /60Hz

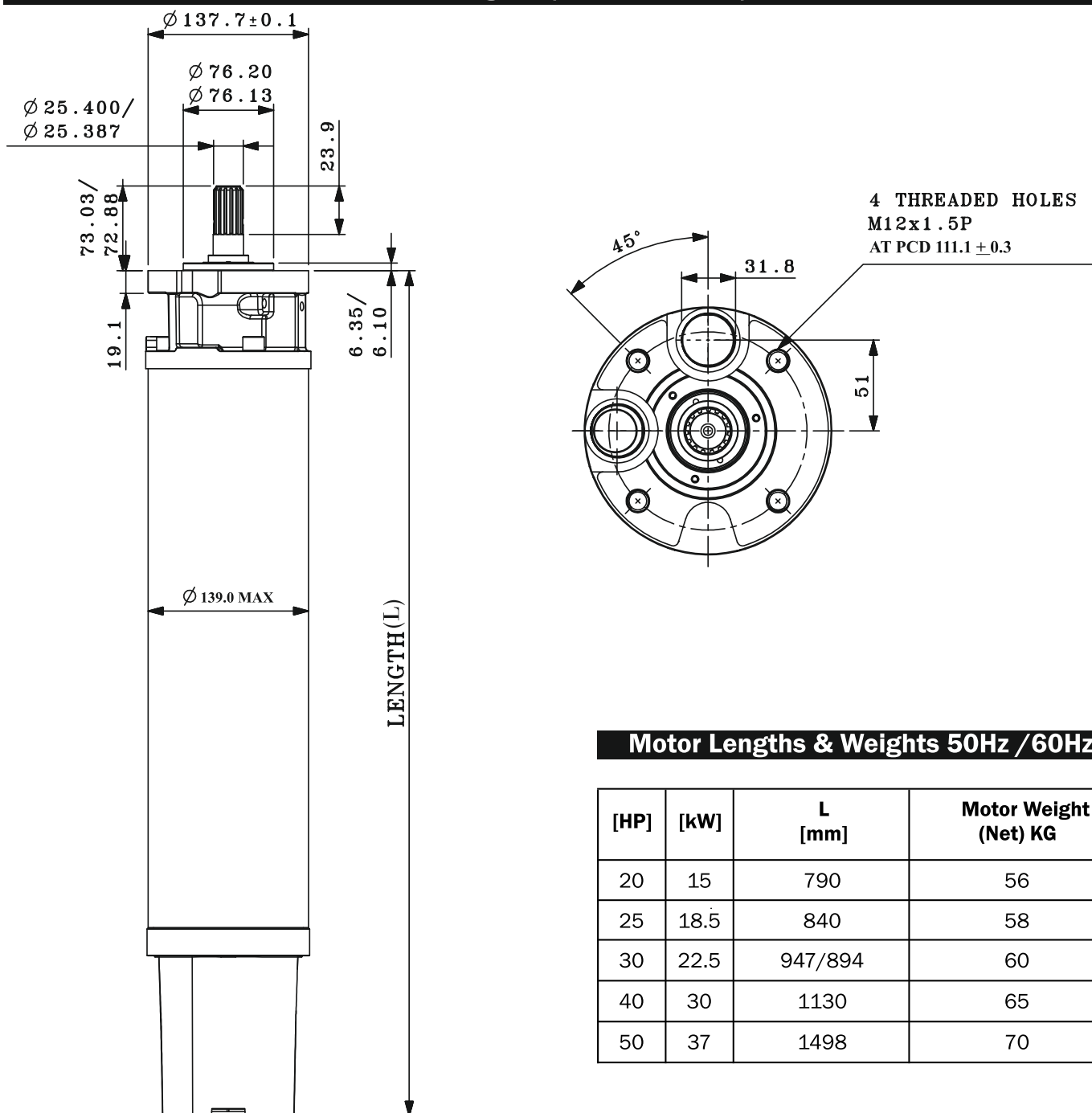
[HP]	[kW]	L [mm]	Motor Weight (Net) KG
5.5	4	507	35
7.5	5.5	561	38
10	7.5	616	38
15	11	666	44

6 INCH ENCAPSULATED NG PREMIUM MOTOR

MOTOR OUTLINE DIAGRAM

SUBMERSIBLE MOTORS			
Material	Stainless Steel 304	Rating	4 kW-37 kW / 5.5HP-50 HP
Type	Encapsulated	Thrust Rating	15500 - 27500 N

Outline Diagram (15 kW To 37 kW)



Motor Lengths & Weights 50Hz /60Hz

[HP]	[kW]	L [mm]	Motor Weight (Net) KG
20	15	790	56
25	18.5	840	58
30	22.5	947/894	60
40	30	1130	65
50	37	1498	70

