

4" Super Stainless 3 Phase

Submersible Motors

Quality in the Well

Franklin Electric 4" encapsulated submersible motors, built in ISO 9001/14001 certified facilities for outstanding performance in 4" or larger water wells.

The three phase motor offers maximum life and highest efficiency under various load conditions. It should ideally be combined to the Franklin Electric SubStart/SubTronic3P control boxes for maximum system performance, protection and warranty.



Product features

- Hermetically sealed stator with 316SS shell. Anti track, self healing stator resin prevents motor burn out, mechanically supports the winding and provides fast heat dissipation.
- High efficiency electrical design (low operation cost, cool running winding)
- Removable water bloc lead connector
- No-wear, water lubricated radial and thrust bearings for 100% maintenance free operation
- Non-contaminating FES 93 filling liquid
- Various agency approvals for use in drinking water

Pollution Recovery Motor-version Specifications

- Fluorelastomere (Viton®) rubber parts
- Special Polyurethane (PUR) lead assemblies
- 304 graded stainless steel as standard, 316SS as an option

Technical Specification

- 0,37 – 3kW
- 4" NEMA flange
- Rotation: reversible
- Degree of protection: IP68
- Insulation: Cl.B
- Rated ambient temperature: 30°C
- Required cooling flow: min. 0,08m/s
- Max. starts/hr.: 20, equally distributed
- Mounting: vertical to horizontal, shaft upwards
- Voltage tolerance from nominal: -10% / +6%
- Protection requirements: EN 61947-4-1

Options

- Built in lightning arrestors
- Motors in full 316SS
- Various cable lengths
- Special voltages
- Alternative material executions

3- Phasen 304SS / 316SS Model Numbers 50 Hz

P _N [kW]	U _N [V]	Digit 1 - 6	Digit 7 - 10							
			Standard 304SS		Pollution Recovery 304SS		Standard 316SS		Pollution Recovery 316SS	
			Single pack, with Lead*	40 motors packing unit	Single pack, with Lead*	40 motors packing unit	Single pack, with Lead*	40 motors packing unit	Single pack, with Lead*	40 motors packing unit
0,37	220, 230	234 751	6700L	6700	6715L	6715	6800L	6800	6815L	6815
	380 - 415	234 761	6700L	6700	6715L	6715	6800L	6800	6815L	6815
	500	234 791	6700L	6700	6715L	6715	6800L	6800	6815L	6815
0,55	220, 230	234 752	6700L	6700	6715L	6715	6800L	6800	6815L	6815
	380 - 415	234 762	6700L	6700	6715L	6715	6800L	6800	6815L	6815
	500	234 792	6700L	6700	6715L	6715	6800L	6800	6815L	6815
0,75	220, 230	234 753	6700L	6700	6715L	6715	6800L	6800	6815L	6815
	380 - 415	234 763	6700L	6700	6715L	6715	6800L	6800	6815L	6815
	500	234 793	6700L	6700	6715L	6715	6800L	6800	6815L	6815
1,10	220, 230	234 754	6700L	6700	6715L	6715	6800L	6800	6815L	6815
	380 - 415	234 724	6700L	6700	6715L	6715	6800L	6800	6815L	6815
	500	234 794	6700L	6700	6715L	6715	6800L	6800	6815L	6815
1,50	220, 230	234 755	6700L	6700	6715L	6715	6800L	6800	6815L	6815
	380 - 415	234 725	6700L	6700	6715L	6715	6800L	6800	6815L	6815
	500	234 795	6700L	6700	6715L	6715	6800L	6800	6815L	6815
2,20	220, 230	234 756	6700L	6700	6715L	6715	6800L	6800	6815L	6815
	380 - 415	234 726	6700L	6700	6715L	6715	6800L	6800	6815L	6815
	500	234 796	6700L	6700	6715L	6715	6800L	6800	6815L	6815
3,00	220, 230	234 766	6700L	6700	6715L	6715	6800L	6800	6815L	6815
	380 - 415	234 764	6700L	6700	6715L	6715	6800L	6800	6815L	6815
	500	234 768	6700L	6700	6715L	6715	6800L	6800	6815L	6815

* Lead lengths Motors "L" : up to 1.5kW with 1.5m preassembled cable, starting at 2.2 kW with 2.5m pre-mounted cable

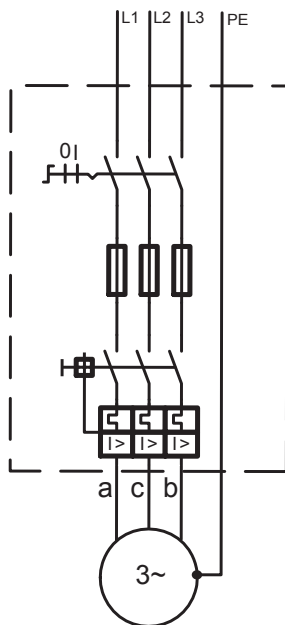
3-Phase Performance Data 50 Hz

P _N [kW]	Thrust F [N]	U _N [V]	n _N [min ⁻¹]	I _N [A]	I _A [A]	η (Eff.) [%] at % load			cos φ (Pf.) at % load			T _N [Nm]	T _A [Nm]
						50	75	100	50	75	100		
0,37	4000	220	2850	1,91	8,83	55	63	66	0,60	0,71	0,79	1,23	2,70
		230	2870	1,90	9,36	54	63	66	0,55	0,66	0,74	1,22	3,00
		380	2850	1,10	5,10	55	63	66	0,60	0,71	0,79	1,23	2,70
		400	2870	1,10	5,41	54	63	66	0,55	0,66	0,74	1,22	3,00
		415	2880	1,14	5,61	53	61	65	0,51	0,62	0,71	1,23	3,20
		500	2830	0,84	3,88	55	63	68	0,60	0,71	0,79	1,23	2,70
0,55	4000	220	2855	2,7	12,2	57	64	68	0,60	0,71	0,79	1,84	3,80
		230	2870	2,8	12,9	55	63	68	0,53	0,65	0,74	1,82	4,20
		380	2855	1,6	7,0	57	64	68	0,60	0,71	0,79	1,84	3,80
		400	2870	1,6	7,4	55	63	68	0,53	0,65	0,74	1,82	4,20
		415	2880	1,7	7,7	50	60	65	0,50	0,61	0,70	1,82	4,60
		500	2855	1,2	5,3	57	64	68	0,60	0,71	0,79	1,84	3,80
0,75	4000	220	2840	3,5	17,4	63	69	70	0,61	0,73	0,81	2,51	6,05
		230	2865	3,5	18,3	61	68	70	0,55	0,68	0,77	2,49	6,70
		380	2840	2,0	10,1	63	69	70	0,61	0,73	0,81	2,51	6,05
		400	2865	2,0	10,6	61	68	70	0,55	0,68	0,77	2,49	6,70
		415	2875	2,1	10,9	58	66	69	0,51	0,63	0,73	2,48	7,20
		500	2840	1,5	7,6	63	69	70	0,61	0,73	0,81	2,51	6,05
1,1	4000	220	2830	4,9	26,4	68	73	74	0,63	0,75	0,82	3,71	10,23
		230	2850	4,9	27,8	66	72	74	0,57	0,69	0,78	3,67	11,33
		380	2830	2,8	15,3	68	73	74	0,63	0,75	0,82	3,71	10,23
		400	2850	2,8	16,0	66	72	74	0,57	0,69	0,78	3,67	11,33
		415	2865	2,9	16,7	64	70	73	0,52	0,65	0,74	3,64	12,20
		500	2830	2,1	11,6	68	73	74	0,63	0,75	0,82	3,71	10,23
1,5	4000	220	2830	6,7	34,0	67	72	73	0,62	0,74	0,83	5,04	12,77
		230	2855	6,7	35,9	65	71	73	0,55	0,68	0,78	5,00	14,10
		380	2830	3,9	19,7	67	72	73	0,62	0,74	0,83	5,04	12,77
		400	2855	3,9	20,7	65	71	73	0,55	0,68	0,78	5,00	14,10
		415	2865	4,0	21,5	62	69	72	0,50	0,63	0,73	5,00	15,20
		500	2830	2,9	14,9	67	72	73	0,62	0,74	0,83	5,04	12,77
2,2	4000	220	2820	9,3	49,0	71	75	75	0,6	0,74	0,82	7,42	19,87
		230	2845	9,5	51,6	69	74	75	0,52	0,66	0,77	7,37	22
		380	2820	5,4	28,3	71	75	75	0,6	0,74	0,82	7,42	19,87
		400	2845	5,5	29,8	69	74	75	0,52	0,66	0,77	7,37	22
		415	2855	5,8	30,9	65	72	74	0,47	0,61	0,72	7,33	23,67
		500	2820	4,1	21,5	71	75	75	0,6	0,74	0,82	7,42	19,87
3	4000	220	2820	12,8	69,1	73	77	77	0,61	0,74	0,82	10,16	28,80
		230	2845	13,0	72,8	70	76	76	0,53	0,67	0,77	10,06	31,93
		380	2820	7,4	39,9	73	77	77	0,61	0,74	0,82	10,16	28,80
		400	2845	7,5	42,0	70	76	76	0,53	0,67	0,77	10,06	31,93
		415	2855	7,9	43,6	67	73	75	0,47	0,61	0,72	10,04	34,33
		500	2820	5,6	30,3	73	77	77	0,61	0,74	0,82	10,16	28,80

Winding Resistances 304SS / 316SS 50Hz

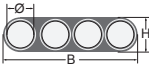
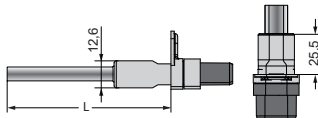
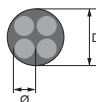
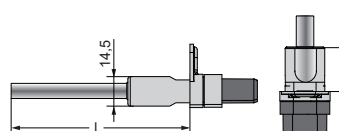
P _N [kW]	U _N [V]	Stator Ref.	U - V / Ohm
0,37	220 - 230	326 775 945 / 955	14,6 - 17,8
	380 - 400 - 415	326 710 945 / 955	44,8 - 54,8
	500	326 787 945 / 955	90,8 - 111,0
0,55	220 - 230	326 776 945 / 955	11,3 - 13,8
	380 - 400 - 415	326 711 945 / 955	34,2 - 41,8
	500	326 788 945 / 955	57,3 - 70,0
0,75	220 - 230	326 777 945 / 955	7,6 - 9,2
	380 - 400 - 415	326 712 945 / 955	23,2 - 28,3
	500	326 789 945 / 955	38,7 - 47,3
1,1	220 - 230	326 778 945 / 955	4,5 - 5,4
	380 - 400 - 415	326 713 945 / 955	13,8 - 16,8
	500	326 790 945 / 955	23,1 - 28,3
1,5	220 - 230	326 779 945 / 955	3,6 - 4,3
	380 - 400 - 415	326 714 945 / 955	10,9 - 13,4
	500	326 791 945 / 955	20,7 - 25,3
2,2	220 - 230	326 780 945 / 955	2,5 - 3,0
	380 - 400 - 415	326 715 945 / 955	7,1 - 8,6
	500	326 792 945 / 955	11,9 - 14,5
3	220 - 230	326 781 945 / 955	1,5 - 1,9
	380 - 400 - 415	326 716 945 / 955	4,7 - 5,8
	500	326 793 945 / 955	8,4 - 10,2

Electrical connection 3 Phase Motors DOL



a	b	c	PE
black	brown	grey	yellow/green

Motor Leads*

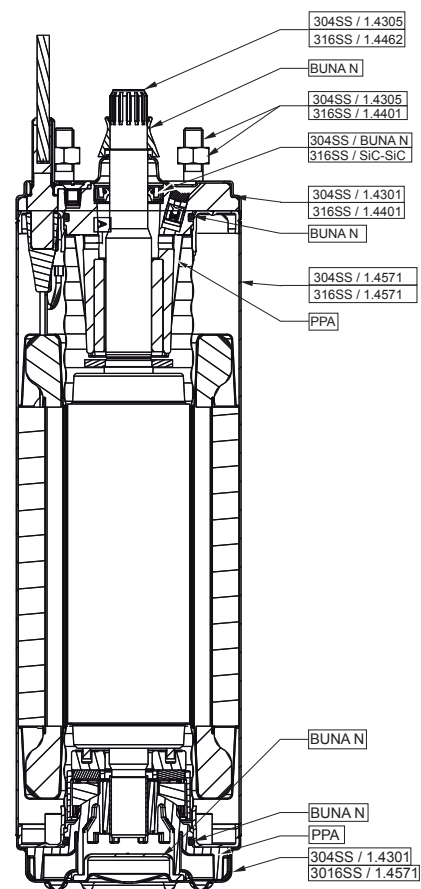
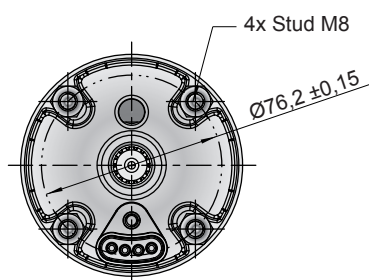
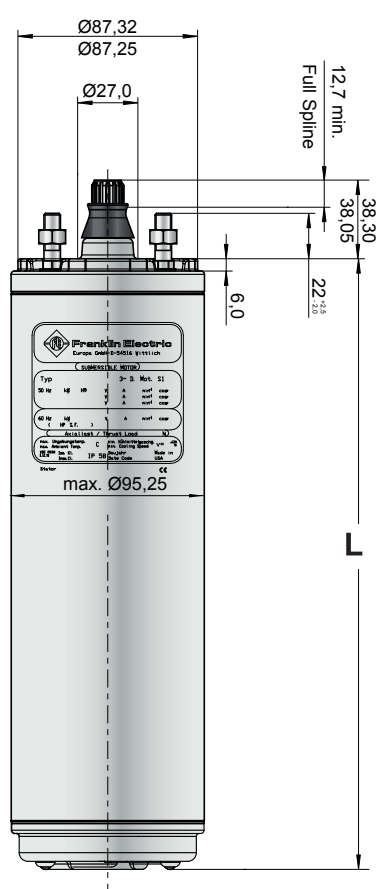
Ø [mm²]		B [mm]	H [mm]
4X1,5		14,6 ± 0,3	5,1 ± 0,3
			
L [m]	3 ~ Standard Motor- Flat Leads		
	304SS / 316 SS		
1,5	310 178 501		
2,5	310 178 502		
5	310 178 505		
10	310 178 510		
15	310 178 515		
20	310 178 520		
30	310 178 530		
40	310 178 540		
50	310 178 550		
Ø [mm²]		Ø D (mm)	
4X1,5		9,8 ± 0,3	
			
L [m]	3 ~ Motor- Pollution Recovery Round Leads		
	304SS / 316 SS		
1,5	310 318 501		
2,5	310 318 502		
5	310 318 505		
10	310 318 510		
15	310 318 515		
20	310 318 520		
30	310 318 530		
40	310 318 540		
50	310 318 550		

*Cables are designed for submerged operation. For air operation please consult Franklin Electric.

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0,37kW - 3,0kW

Material Description

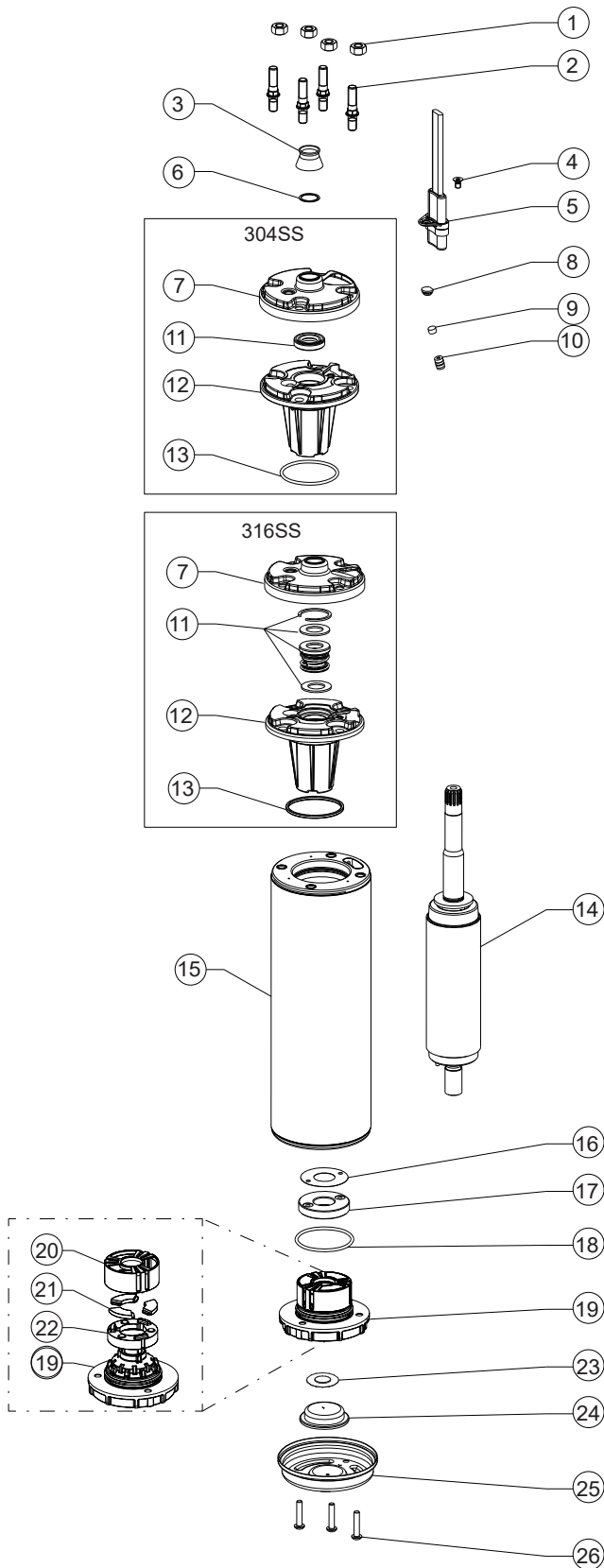


Tolerances according to NEMA MG 1-18.388

4" 3- Phase Motors Lengths & Weights

P _N		L [mm]	M [kg]	Motor with Lead in single pack		Motor Package size (40 motors per packing unit)	
[kW]	[HP]			[mm]	[kg]	[mm]	[kg]
0,37	0,5	237,2	5,58	400 x 100 x 110	6,3	800 x 500 x 870	242
0,55	0,75	251,1	6,40	400 x 100 x 110	7,2	800 x 500 x 870	274,8
0,75	1,0	271,2	7,25	530 x 100 x 110	8,0	800 x 500 x 870	308,8
1,10	1,5	297,2	8,55	530 x 100 x 110	9,3	800 x 500 x 870	360,8
1,50	2,0	321,2	9,55	530 x 100 x 110	10,3	800 x 500 x 870	400,8
2,20	3,0	353,2	11,05	796 x 100 x 110	11,8	800 x 500 x 870	460,8
3,0	4,0	408,2	13,55	796 x 100 x 110	14,3	800 x 500 x 870	560,8

4" 3- Phase Motors Part Description Design start 07.2016



Pos.	Part Description	Qty.	Part No.
1	Nut M8	4	Kit C
2	Stud M8	4	Kit C
3	Protector, Spline	1	Kit B
4	Screw (Motor lead)	1	Kit C
5	Motor lead	1	see page 39
6	Washer	1	Kit B
7	Top Endbell, Cover	1	Kit
8	Plug	1	Kit B
9	Filter	1	Kit B
10	Valve	1	Kit
11	Shaft Seal	1	Kit B
12	Top Endbell	1	Kit
13	O- Ring	1	Kit B
14	Rotor	1	see page 42
15	Stator	1	see page 42
16	Level washer	1	Kit A
17	Thrust disk assy	1	Kit A
18	O- Ring	1	Kit B
19	Bottom Endbell	1	A1
20	Bearing cage	1	Kit A
21	Segments	3	Kit A
22	Rocking Disk	1	Kit A
23	Diaphragm washer	1	Kit B
24	Diaphragm	1	Kit B
25	Bottom Endbell Cover 304SS	1	156 414 201
	Bottom Endbell Cover 316SS		156 414 301
26	Screw, Cover	3	Kit C

4" 3- Phase Spare Parts 304SS/316SS Design start 07.2016

P _N [kW]	0,37- 3,0 kW		
Kit A1	End bell, upper 304SS (Pos. 7 - 13)	incl. Pos.: 7 - 13	308 462 901
	End bell, upper 316SS (Pos. 7 - 13)		308 462 951
Kit A2	Endbell lower incl. Thrust Bearing Kit 4000N	incl. Pos.: 16 - 22	308 464 911
Kit B	Seal Kit Standard 304SS	incl. Pos.: 3, 6, 8, 9, 11, 13, 18, 23	308 650 201
	Seal Kit Pollution recovery 316SS		308 650 202
	Seal Kit Standard 316SS		308 650 251
	Seal Kit Pollution recovery 316SS		308 650 252
Kit C	Fastener Kit 304SS	incl. Pos.: 1, 2, 4, 26	308 656 201
	Fastener Kit 316SS		308 656 251

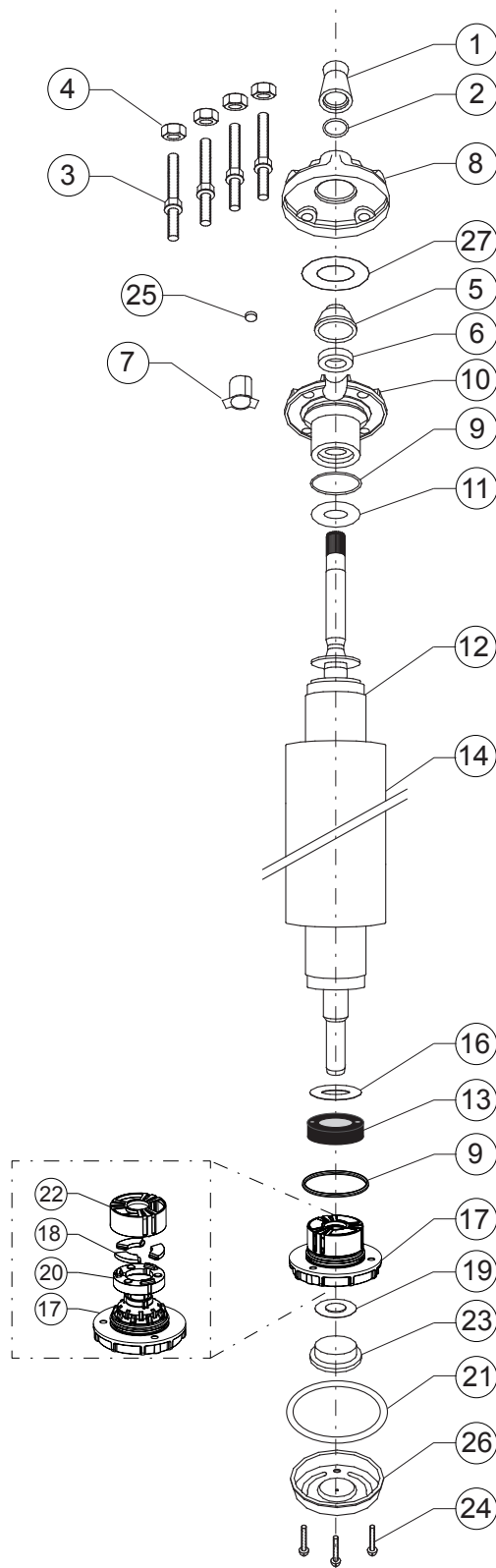
Replacement 304SS Motors Stator and Rotor 50 Hz Design start 07.2016

P _N [kW]	U _N [V]	Motor Nb.	Stator Nb.	Rotor
0,37	220, 230	234 751 6700 / 6715	305 491 751	178 164 901K
	380, 400, 415	234 761 6700 / 6715	305 491 761	
	500	234 791 6700 / 6715	305 491 771	
0,55	220, 230	234 752 6700 / 6715	305 491 752	178 164 902K
	380, 400, 415	234 762 6700 / 6715	305 491 762	
	500	234 792 6700 / 6715	305 491 772	
0,75	220, 230	234 753 6700 / 6715	305 491 753	178 164 903K
	380, 400, 415	234 763 6700 / 6715	305 491 763	
	500	234 793 6700 / 6715	305 491 773	
1,10	220, 230	234 754 6700 / 6715	305 491 754	178 164 905K
	380, 400, 415	234 724 6700 / 6715	305 491 764	
	500	234 794 6700 / 6715	305 491 774	
1,50	220, 230	234 755 6700 / 6715	305 491 755	178 164 907K
	380, 400, 415	234 725 6700 / 6715	305 491 765	
	500	234 795 6700 / 6715	305 491 775	
2,20	220, 230	234 756 6700 / 6715	305 491 756	178 164 908K
	380, 400, 415	234 726 6700 / 6715	305 491 766	
	500	234 796 6700 / 6715	305 491 776	
3,00	220, 230	234 766 6700 / 6715	305 491 757	178 164 910K
	380, 400, 415	234 764 6700 / 6715	305 491 767	
	500	234 768 6700 / 6715	305 491 777	

Replacement 316SS Motors Stator and Rotor 50 Hz Design start 07.2016

P _N [kW]	U _N [V]	Motor Nb.	Stator Nb.	Rotor
0,37	220, 230	234 751 6800 / 6815	305 491 751	178 164 951K
	380, 400, 415	234 761 6800 / 6815	305 491 761	
	500	234 791 6800 / 6815	305 491 771	
0,55	220, 230	234 752 6800 / 6815	305 491 752	178 164 952K
	380, 400, 415	234 762 6800 / 6815	305 491 762	
	500	234 792 6800 / 6815	305 491 772	
0,75	220, 230	234 753 6800 / 6815	305 491 753	178 164 953K
	380, 400, 415	234 763 6800 / 6815	305 491 763	
	500	234 793 6800 / 6815	305 491 773	
1,10	220, 230	234 754 6800 / 6815	305 491 754	178 164 955K
	380, 400, 415	234 724 6800 / 6815	305 491 764	
	500	234 794 6800 / 6815	305 491 774	
1,50	220, 230	234 755 6800 / 6815	305 491 755	178 164 957K
	380, 400, 415	234 725 6800 / 6815	305 491 765	
	500	234 795 6800 / 6815	305 491 775	
2,20	220, 230	234 756 6800 / 6815	305 491 756	178 164 958K
	380, 400, 415	234 726 6800 / 6815	305 491 766	
	500	234 796 6800 / 6815	305 491 776	
3,00	220, 230	234 766 6800 / 6815	305 491 757	178 164 960K
	380, 400, 415	234 764 6800 / 6815	305 491 767	
	500	234 768 6800 / 6815	305 491 777	

4" 3~ Standard Motor* Part Standard 304SS Design up to 06.2016



Pos.	Part Description	Qty.	Part No.
1	Protector, Spline	1	Kit B
2	Washer	1	Kit B
3	Stud	4	Kit C
4	Nut	4	Kit C
5	Seal cover	1	Kit
6	Shaft Seal	1	Kit B
7	Connector boss	1	151 820 102
8	Top Endbell, Cover	1	Kit
9	O-Ring	2	Kit B
10	Top Endbell	1	Kit
11	Upthrust washer	1	Kit
12	Rotor	1	page 44
13	Thrust disk assy	1	Kit A
14	Stator	1	page 44
15	Leveling Disk (only 1500N)	1	Kit A
16	Level washer	1	Kit A
17	Bottom Endbell	1	Kit
18	Segments	3	Kit A
19	Diaphragm washer	1	151 314 101
20	Rocking Disk	1	Kit A
21	Gasket	1	Kit B
22	Bearing cage	1	Kit A
23	Diaphragm	1	Kit B
24	Screw, Seal	3	Kit C
25	Filter	1	Kit B
26	Bottom Endbell Cover		156 414 101
27	Washer	1	Kit

* Spare Parts for Heat Pump, Pollution Recovery and Brackish Water Motors on Request

4" 3~ Spare Parts 304SS Design up to 06.2016

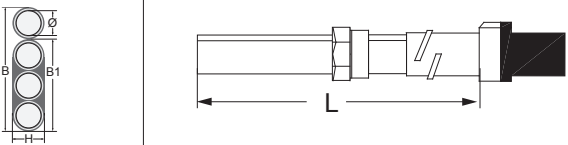
P _N [kW]	Thrust Bearing	End bell, Upper Pos. 5 - 10, 27	End bell, Lower Pos. 17	Upthrust washer Pos. 11
0,25 - 0,75	Kit A1	177 231 904	Kit A1	150 954 102
1,10 – 1,5		177 233 904		151 093 105
2,2 - 3,0				
Kit 1500N 0,25 - 0,75kW up to 07.2008	Thrust bearing Kit		inkl. Pos.: 13, 15, 16, 18, 20	308 652 101
Kit A1	End bell (lower) incl. Thrust Bearing Kit 3000N / 4000N		inkl. Pos.: 9, 13, 16, 17, 18, 20, 22	308 464 901
Kit B1	Seal Kit		inkl. Pos.: 1, 2, 6, 9, 21, 23, 25, 27	308 650 101
Kit B2	Seal Kit (Viton)		inkl. Pos.: 1, 2, 6, 9, 21, 23, 25, 27	308 650 104
Kit C	Screw Kit		inkl. Pos.: 3, 4, 24	308 656 101

Replacement Standard Motor* Stator and Rotor 50 Hz Design up to 06.2016

P _N [kW]	U _N [V]	Motor Model No.	Stator Model No.	Rotor
0,37	220, 230	234 751 1621	305 491 301	178 156 902K
	380, 400, 415	234 761 1621	305 491 321	
	500	234 791 1621	305 491 341	
0,55	220, 230	234 752 1621	305 491 302	178 157 902K
	380, 400, 415	234 762 1621	305 491 322	
	500	234 792 1621	305 491 342	
0,75	220, 230	234 753 1621	305 491 303	178 158 902K
	380, 400, 415	234 763 1621	305 491 323	
	500	234 793 1621	305 491 343	
1,10	220, 230	234 754 1621	305 491 304	178 160 902K
	380, 400, 415	234 724 1621	305 491 324	
	500	234 794 1621	305 491 344	
1,50	220, 230	234 755 1621	305 491 305	178 162 902K
	380, 400, 415	234 725 1621	305 491 325	
	500	234 795 1621	305 491 345	
2,20	220, 230	234 756 2521	305 491 306	178 163 902K
	380, 400, 415	234 726 2521	305 491 326	
	500	234 796 2521	305 491 346	
3,00	220, 230	234 766 2521	305 491 307	178 125 902K
	380, 400, 415	234 764 2521	305 491 327	
	500	234 768 2521	305 491 347	

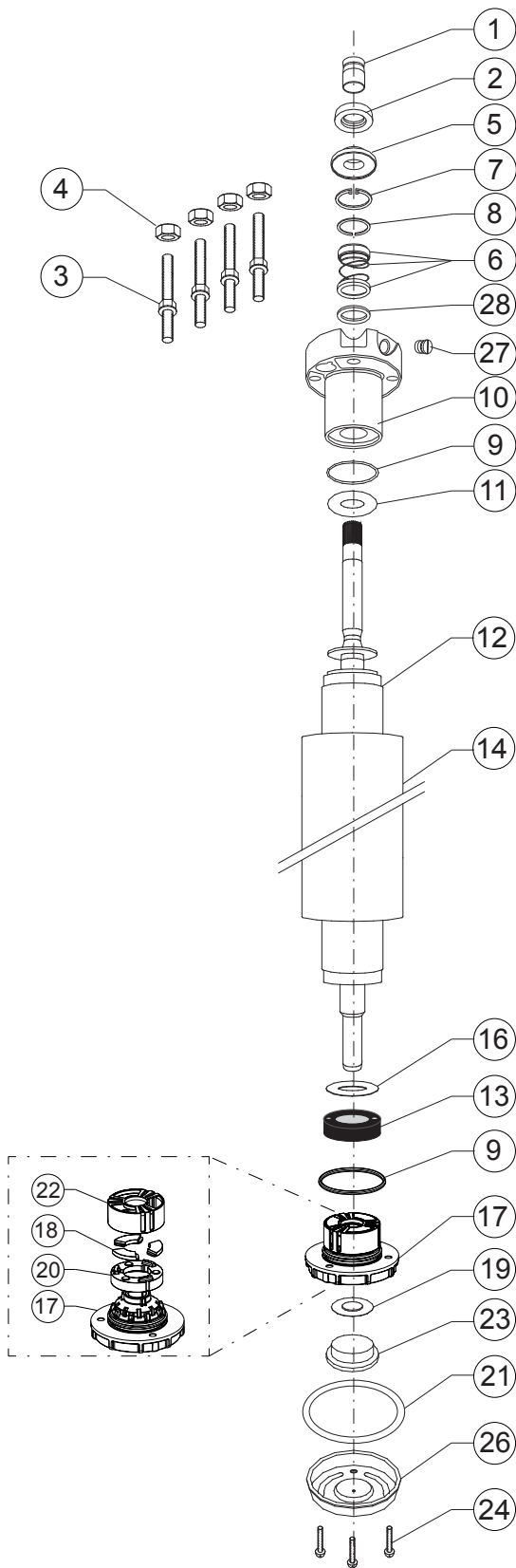
* Spare Parts for Heat Pump, Pollution Recovery and Brackish Water Motors on Request

VDE / ACS / KTW Approved Leads* Design up to 06.2016

Ø [mm²]	B [mm]	B1 [mm]	H [mm]
3X1,5+1G1,5	16,8 ± 0,3	10,7 ± 0,3	5,0 ± 0,3
			
*Cables are designed for submerged operation. For air operation please consult Franklin Electric.			

L [m]	Part Numbers	
	Standard	304 SS
1,5	310 113 001	310 113 401
2,5	310 113 002	310 113 402
5	310 113 005	310 113 405
10	310 113 010	310 113 410
15	310 113 015	310 113 415
20	310 113 020	310 113 420
30	310 113 030	310 113 430
40	310 113 040	310 113 440
50	310 113 050	310 113 450

4" 3~ Motor Motor* Part Standard 316SS Design up to 06.2016



Pos.	Part Description	Qty.	Part No.
1	Protector, Spline	1	Kit C
2	Slinger	1	Kit C
3	Stud	4	Kit D
4	Nut	4	Kit D
5	Seal cover	1	Kit B + C
6	Shaft Seal	1	Kit B
7	Retain Ring	1	Kit B
8	Ring	1	Kit B
9	O-Ring	2	Kit B
10	Top Endbell	1	Kit
11	Upthrust washer	1	Kit
12	Rotor	1	page 46
13	Thrust disk assy	1	Kit A
14	Stator	1	page 46
15	Leveling Disk (only 1500N)	1	Kit A
16	Level washer	1	Kit A
17	Bottom Endbell	1	Kit
18	Segments	3	Kit A
19	Diaphragm washer	1	151 314 101
20	Rocking Disk	1	Kit A
21	Gasket	1	Kit B
22	Bearing cage	1	Kit A
23	Diaphragm	1	Kit B
24	Screw, Seal	3	Kit D
25	Valve		Incl. Pos.: 10
26	Bottom Endbell Cover	1	156 414 102
27	Sealing Screw	1	308 279 903
28	Washer	1	308 747 201

* Spare Parts for Heat Pump, Pollution Recovery and Brackish Water Motors on Request

4" 3~ Spare Part Kits 316SS Standard Design up to 06.2016

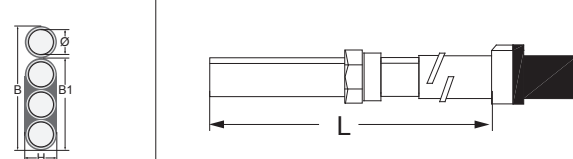
P _N [kW]	Thrust Bearing	End bell, upper (Pos. 10)	End bell, lower (Pos. 17)	Upthrust washer (Pos. 11)
0,37 - 0,75	Kit A1	177 390 955	Kit A1	308 268 104
1,1 - 1,5				
2,2 - 3,0				
Kit A1	End bell (lower) incl. Thrust Bearing Kit 3000N / 4000N		inkl. Pos.: 9, 13, 16, 17, 18, 20, 22	308 464 901
Kit B1	Seals Kit		inkl. Pos.: 5,6,7,8,9,21,23	308 650 105
Kit B2	Seals Kit (Viton)		inkl. Pos.: 5,6,7,8,9,21,23	308 650 106
Kit C	Sand Protection Kit		inkl. Pos.: 1,2,5	308 825 201
Kit D	Screw Kit		inkl. Pos.: 3, 4, 24	308 656 102

Replacement Standard Motor* Stator and Rotor 50 Hz DOL Design up to 06.2016

P _N [kW]	U _N [V]	Motor Model No.	Stator Model No.	Rotor
0,37	220, 230	234 751 0521	305 491 581	178 156 912K
	380, 400, 415	234 761 0521	305 491 601	
	500	234 791 0521	305 491 621	
0,55	220, 230	234 752 0521	305 491 582	178 157 912K
	380, 400, 415	234 762 0521	305 491 602	
	500	234 792 0521	305 491 622	
0,75	220, 230	234 753 0521	305 491 583	178 158 912K
	380, 400, 415	234 763 0521	305 491 603	
	500	234 793 0521	305 491 623	
1,10	220, 230	234 754 0521	305 491 584	178 160 912K
	380, 400, 415	234 724 0521	305 491 604	
	500	234 794 0521	305 491 624	
1,50	220, 230	234 755 0521	305 491 585	178 162 912K
	380, 400, 415	234 725 0521	305 491 605	
	500	234 795 0521	305 491 625	
2,20	220, 230	234 756 2221	305 491 586	178 163 912K
	380, 400, 415	234 726 2221	305 491 606	
	500	234 796 2221	305 491 626	
3,00	220, 230	234 766 2221	305 491 587	178 125 912K
	380, 400, 415	234 764 2221	305 491 607	
	500	234 768 2221	305 491 627	

* Spare Parts for Heat Pump, Pollution Recovery and Brackish Water Motors on Request

VDE / ACS / KTW Approved Leads* Design up to 06.2016

Ø [mm²]	B [mm]	B1 [mm]	H [mm]
3X1,5+1G1,5	16,8 ± 0,3	10,7 ± 0,3	5,0 ± 0,3
			
*Cables are designed for submerged operation. For air operation please consult Franklin Electric.			

L [m]	Part Numbers
	316SS
1,5	310 113 501
2,5	310 113 502
5	310 113 505
10	310 113 510
15	310 113 515
20	310 113 520
30	310 113 530
40	310 113 540
50	310 113 550