



4" ENCAPSULATED HIGH THRUST MOTOR - 3-PHASE

FEATURES & BENEFITS

- NEMA mounting design with studs [5/16-24 UNF]
- Stainless steel splined shaft
- StatorShield™ - Franklin encapsulation system: Franklin Electric encapsulated motors are equipped with hermetically-sealed windings. The stator resin mechanically supports the winding and provides fast heat dissipation.
- Hydrodynamic liquid lubricated radial bearings and High capacity Kingsbury type thrust bearing for 100 % maintenance free operation
- Field replaceable round plug lead using Franklin's exclusive Water Bloc technology with extended jam nut in Stainless steel
- Pressure-equalizing diaphragm, spring pre-loaded
- Factory filled with FES Franklin's non-toxic water soluble fill solution
- Drinking water approvals
- VFD operation up to a rated voltage of 400 V (in compliance with the application guidelines in the motor operating instructions and the VFD manufacturer). For VFD operation with higher voltages, please consult Franklin Electric.

OPTIONS

- Built in lightning arrestors
- Special lead lengths up to 50 m
- Motors with factory-installed lead in single packing
- Higher-graded materials: Motor complete in 316SS with SiC/ SiC seal
- Special voltages
- Stator shell in 316SS (Suitable for use in water with increased salinity)



Pollution Recovery version

- Fluorelastomere (Viton®) rubber parts
- Special Polyurethane (PUR) lead assemblies
- 304SS (316SS stator) graded Stainless Steel as Standard



4" encapsulated motors



STANDARD SPECIFICATION

- Ratings: 2.2 - 9.3 kW
- Thrust load: 6.5 kN
- Standard voltage
3~ 230/400/500 V (50 Hz) | 230/380/460 V (60 Hz)
- Max. storage temperature: -15 °C - +50 °C
- Nominal ambient temperature: 30 °C with 0.08 m/s cooling flow
- Voltage tolerance UN: -10 % / +6 % (50 Hz) | +/-10% (60 Hz)
- Protection IP68
- insulation class B
- Frequency of starts: 20 starts/ hour
(with min. 3 minutes resting time), equally distributed
- All motors with factory installed leads
(1.50 m / 2.50 m)
- Vertical and horizontal operation,
shaftend heightend
- Rotation counter clock wise facing shaft end
(Rotation reversible for 3 phase motors)



StatorShield™ - Franklin encapsulation system

Franklin Electric encapsulated motors are equipped with hermetically-sealed windings. The stator resin mechanically supports the winding and provides fast heat dissipation.

Hydrodynamic liquid lubricated radial bearings

100% maintenance free operation

6.5 kN High Thrust Kingsbury type thrust bearing

High capacity 6.5 kN Kingsbury type thrust bearing for 100 % maintenance free operation.

Pressure-equalizing diaphragm



4" ENCAPSULATED HIGH THRUST MOTOR - 3-PHASE

4CT HIGH THRUST MOTOR - 3-PHASE - MOTOR MODEL NO. | 50 HZ

P _N [kW]	U _N [V]	Digit 1 - 6	Digit 7 - 10					
			304SS Standard		304SS Pollution Recovery	316SS Standard		Brakish water
			single pack, with lead	motors in 40 motors packing unit	single pack, with lead	motors in 40 motors packing unit	single pack, with lead	motors in 40 motors packing unit
2.2	220, 230	234 756	3421L	3421	3521L	3521	3422L	3424L
	380 - 415	234 726	3421L	3421	3521L	3521	3422L	3424L
	500	234 796	3421L	3421	3521L	3521	3422L	3424L
3	220, 230	234 766	3421L	3421	3521L	3521	3422L	3424L
	380 - 415	234 764	3421L	3421	3521L	3521	3422L	3424L
	500	234 768	3421L	3421	3521L	3521	3422L	3424L
3.7	220, 230	234 757	3421L	3421	3521L	3521	3422L	3424L
	380 - 415	234 727	3421L	3421	3521L	3521	3422L	3424L
	500	234 797	3421L	3421	3521L	3521	3422L	3424L
4	220, 230	234 767	3421L	3421	3521L	3521	3422L	3424L
	380 - 415	234 765	3421L	3421	3521L	3521	3422L	3424L
	500	234 769	3421L	3421	3521L	3521	3422L	3424L
5.5	220, 230	234 758	3421L	3421	3521L	3521	3422L	3424L
	380 - 415	234 728	3421L	3421	3521L	3521	3422L	3424L
	500	234 798	3421L	3421	3521L	3521	3422L	3424L
7.5	380 - 415	234 729	3421L	3421	3521L	3521	3422L	3424L
	500	234 799	3421L	3421	3521L	3521	3422L	3424L
9.3	380 - 415	234 788	3429L		3529L			

VFD operation is only allowed up to 400V supply voltage. For higher voltages, please consult Franklin Electric.
lead lengths motors: „L“ with 2.50 m pre-mounted cable

4CT HIGH THRUST MOTOR - 3-PHASE - MOTOR MODEL NO. | 60 HZ

P _N [kW]	P _{N max.} [kW]	U _N [V]	Digit 1 - 6	Digit 7 - 10			
				304SS Standard		316SS Standard	
				single pack, with lead	motors in 40 motors packing unit	single pack, with lead	motors in 40 motors packing unit
2.2	2.5	230	234 716	3421	3421L	3521	3521L
		380	234 746	3421	3421L	3521	3521L
		460	234 726	3421E	3421EL	3521E	3521EL
3	3.4	230	234 776	3421	3421L	3521	3521L
		380	234 774	3421	3421L	3521	3521L
		460	234 764	3421E	3421EL	3521E	3521EL
3.7	4.2	230	234 717	3421	3421L	3521	3521L
		380	234 747	3421	3421L	3521	3521L
		460	234 727	3421E	3421EL	3521E	3521EL
4	4.7	230	234 777	3421	3421L	3521	3521L
		380	234 775	3421	3421L	3521	3521L
		460	234 765	3421E	3421EL	3521E	3521EL
5.5	6.4	230	234 718	3421	3421L	3521	3521L
		380	234 748	3421	3421L	3521	3521L
		460	234 728	3421E	3421EL	3521E	3521EL
7.5	8.6	230	234 719	3421	3421L	3521	3521L
		380	234 749	3421	3421L	3521	3521L
		460	234 729	3421E	3421EL	3521E	3521EL

VFD operation is only allowed up to 400V supply voltage. For higher voltages, please consult Franklin Electric.
lead lengths motors: „L“ with 2.50 m pre-mounted cable

4" ENCAPSULATED HIGH THRUST MOTOR - 3-PHASE

4CT HIGH THRUST MOTOR - 3-PHASE - MOTOR 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		
2.2	6500	220	2820	9.3	49	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	6500	220	2820	12.8	69.1	73	77	77	0.61	0.74	0.82	10.16	28.8
		230	2845	13	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	28.8
		400	2845	7.5	42	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	28.8
3.7	6500	220	2815	15.3	86.1	75	79	78	0.62	0.75	0.83	12.6	37.5
		230	2840	15.5	90.6	73	77	78	0.54	0.69	0.78	12.5	41.5
		380	2815	8.8	49.7	75	79	78	0.62	0.75	0.83	12.6	37.5
		400	2840	9	52.3	73	77	78	0.54	0.69	0.78	12.5	41.5
		415	2850	9.3	54.3	70	76	77	0.49	0.63	0.73	12.4	44.7
		500	2815	6.7	37.8	75	79	78	0.62	0.75	0.83	12.6	37.5
4	6500	220	2820	16.7	93.7	75	78	78	0.6	0.74	0.82	13.5	39.7
		230	2840	17.2	98.7	72	77	78	0.52	0.67	0.77	13.4	44
		380	2820	9.7	54.1	75	78	78	0.6	0.74	0.82	13.5	39.7
		400	2840	9.9	57	72	77	78	0.52	0.67	0.77	13.4	44
		415	2855	10.4	59.1	69	75	77	0.47	0.61	0.72	13.4	47.4
		500	2820	7.3	41.1	75	78	78	0.6	0.74	0.82	13.5	39.7
5.5	6500	220	2845	21.9	127	77	80	79	0.66	0.79	0.85	18.5	51
		230	2865	21.8	133.7	75	79	79	0.59	0.73	0.81	18.3	56.5
		380	2845	12.6	73.3	77	80	79	0.66	0.79	0.85	18.5	51
		400	2865	12.6	77.2	75	79	79	0.59	0.73	0.81	18.3	56.5
		415	2875	12.8	80.1	73	77	79	0.54	0.68	0.77	18.2	60.9
		500	2845	9.6	55.7	77	80	79	0.66	0.79	0.85	18.5	51
7.5	6500	380	2830	17.2	94.3	78	80	79	0.66	0.79	0.86	25.3	65.9
		400	2855	17.1	99.3	75	79	79	0.58	0.72	0.81	25.1	73.1
		415	2865	17.6	103	73	78	79	0.52	0.67	0.77	25	78.6
		500	2830	13.1	71.7	78	80	79	0.66	0.79	0.86	25.3	65.9
9.3	6500	380	2825	21.2	108	77	80	79	0.65	0.78	0.86	31.4	73.8
		400	2850	21.4	113	75	79	79	0.56	0.71	0.81	31.1	81.8
		415	2860	22.1	118	72	77	78	0.47	0.58	0.76	31	88

4" ENCAPSULATED HIGH THRUST MOTOR - 3-PHASE

4CT HIGH THRUST MOTOR - 3-PHASE - MOTOR PERFORMANCE DATA | 60 HZ

P _N [kW]	P _{MAX} [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		
2.2	2.5	6500	230	3425	10.8	57.4	69	74	76	0.57	0.7	0.78	7	18
			380	3425	6.5	34.7	69	74	76	0.57	0.7	0.78	7	18
			460	3425	5.4	28.7	69	74	76	0.57	0.7	0.78	7	18
3	3.4	6500	230	3425	14.5	79.4	71	76	77	0.57	0.7	0.79	9.5	23.8
			380	3425	8.8	48.1	71	76	77	0.57	0.7	0.79	9.5	23.8
			460	3425	7.2	39.7	71	76	77	0.57	0.7	0.79	9.5	23.8
3.7	4.2	6500	230	3425	17.2	104	74	78	79	0.59	0.72	0.8	11.8	32.9
			380	3425	10.4	62.7	74	78	79	0.59	0.72	0.8	11.8	32.9
			460	3425	8.6	51.8	74	78	79	0.59	0.72	0.8	11.8	32.9
4	4.7	6500	230	3420	19.4	114	73	78	79	0.58	0.71	0.79	13.2	38.2
			380	3420	11.7	68.8	73	78	79	0.58	0.71	0.79	13.2	38.2
			460	3420	9.7	56.8	73	78	79	0.58	0.71	0.79	13.2	38.2
5.5	6.4	6500	230	3440	24.7	142	76	80	81	0.64	0.75	0.83	17.9	42.7
			380	3440	15	85.9	76	80	81	0.64	0.75	0.83	17.9	42.7
			460	3440	12.4	71	76	80	81	0.64	0.75	0.83	17.9	42.7
7.5	8.6	6500	380	3435	20.3	121	75	79	80	0.63	0.75	0.83	24.1	62.1
			460	3435	16.8	99.7	75	79	80	0.63	0.75	0.83	24.1	62.1

4" ENCAPSULATED HIGH THRUST MOTOR - 3-PHASE

4CT HIGH THRUST MOTOR - 3-PHASE - WINDING RESISTANCE DATA | 50 HZ

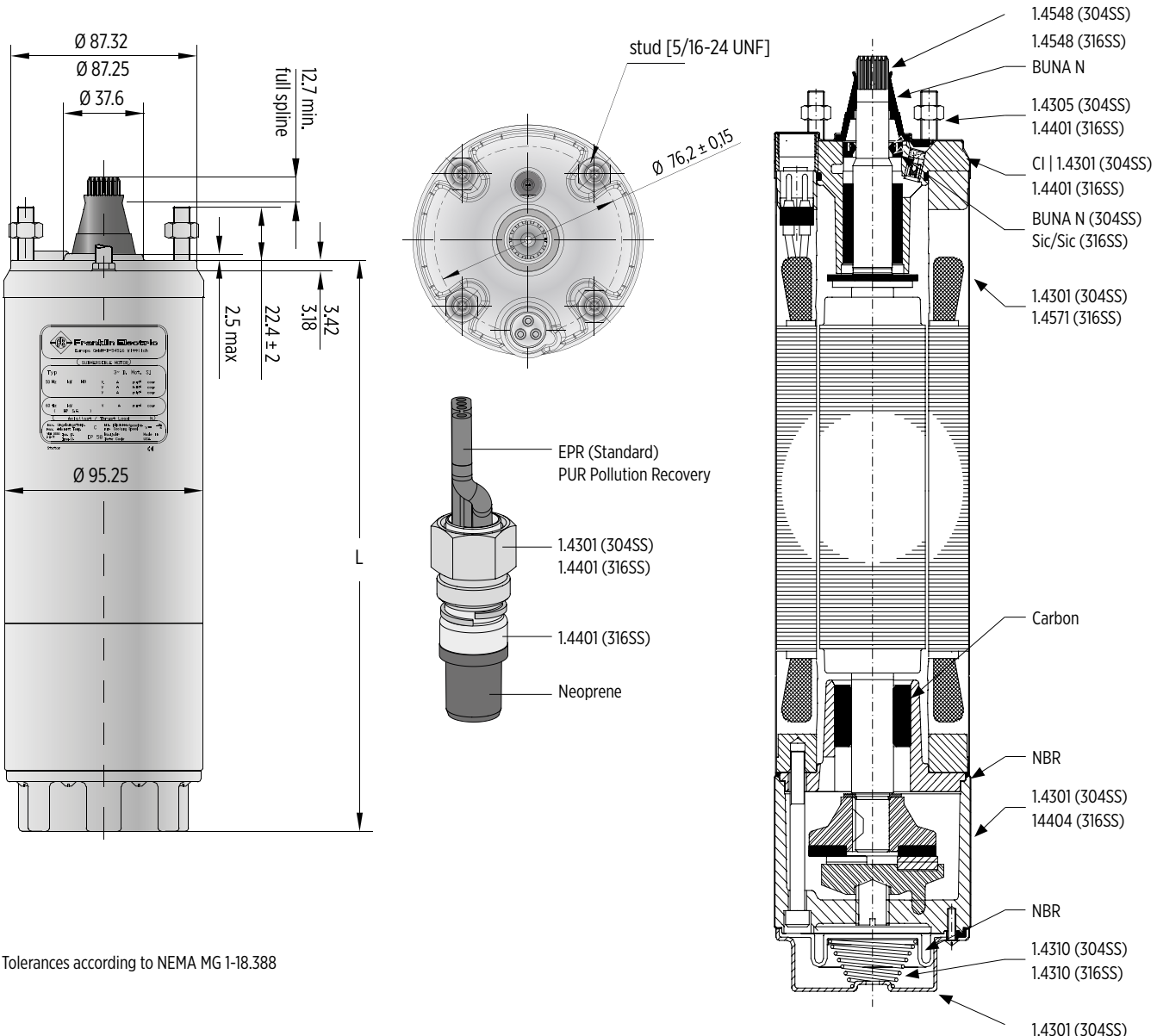
P_N [kW]	U_N [V]	stator reference no.	$U - V$ [Ohm]
2.2	220 - 230	326 780 902	2,5 - 3,0
	380 - 400 - 415	326 715 902	7,1 - 8,6
	500	326 792 902	11,9 - 14,5
3	220 - 230	326 781 902	1,5 - 1,9
	380 - 400 - 415	326 716 902	4,7 - 5,8
	500	326 793 902	8,4 - 10,2
3.7	220 - 230	326 784 902	1,2 - 1,5
	380 - 400 - 415	326 717 902	3,7 - 4,5
	500	326 796 902	6,5 - 7,9
4	220 - 230	326 785 902	1,1 - 1,3
	380 - 400 - 415	326 718 902	3,3 - 4,0
	500	326 797 902	5,8 - 7,1
5.5	220 - 230	326 786 902	0,9 - 1,1
	380 - 400 - 415	326 719 902	2,6 - 3,2
	500	326 798 902	4,6 - 5,7
7.5	380 - 400 - 415	326 720 902	1,9 - 2,3
	500	326 799 902	3,3 - 4,1
9.3	380 - 400 - 415	326 995 920	1,5 - 1,7

4CT HIGH THRUST MOTOR - 3-PHASE - WINDING RESISTANCE DATA | 60 HZ

P_N [kW]	P_{MAX} [kW]	U_N [V]	stator reference no.	$U - V$ [Ohm]
2.2	2.5	230	326 833	1,8 - 2,2
		380	326 843	4,9 - 6,0
		460	326 715	7,1 - 8,6
3	3.4	230	326 834	1,2 - 1,4
		380	326 844	3,2 - 4,0
		460	326 716	6,5 - 8,0
3.7	4.2	230	326 835	0,9 - 1,1
		380	326 845	2,6 - 3,1
		460	326 717	3,7 - 4,5
4	4.7	230	326 836	0,8 - 1,0
		380	326 846	2,4 - 2,9
		460	326 718	3,3 - 4,0
5.5	6.4	230	326 837	0,7 - 0,8
		380	326 847	1,8 - 2,2
		460	326 719	2,6 - 3,2
7.5	8.6	380	326 848	1,3 - 1,6
		460	326 720	1,9 - 2,3

4" ENCAPSULATED HIGH THRUST MOTOR - 3-PHASE

4CT HIGH THRUST MOTOR - 3-PHASE - MOTOR DESIGN | 2.2 - 7.5 KW



Tolerances according to NEMA MG 1-18.388

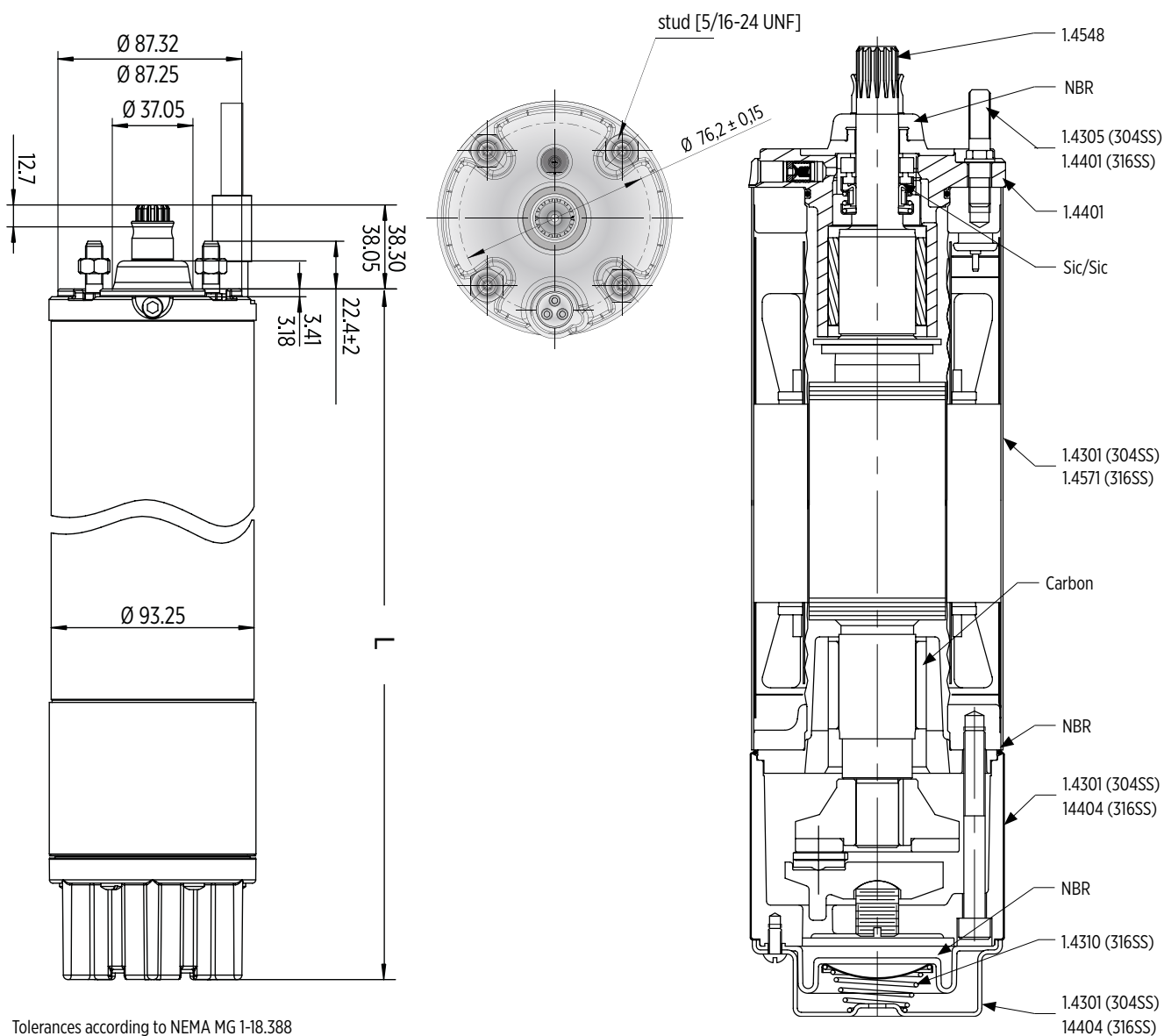
4CT HIGH THRUST MOTOR - 3-PHASE - DIMENSIONS AND WEIGHTS | 2.2 - 7.5 KW

P _N		length [mm]	length [mm]	weight [kg]		motor with lead in single pack 304SS	
[kW]	[HP]	304SS	316SS	304SS	316SS	dimensions [mm]	weight [kg]
2.2	3	422.2	431.4	15	15.5	796 x 100 x 110	16.8
3	4	477.2	486.4	17	17.5	796 x 100 x 110	18.9
3.7	5	520.2	529.4	19.1	19.6	796 x 100 x 110	20.9
4	5.5	543.2	552.4	20	20.5	796 x 100 x 110	21.8
5.5	7.5	652.5	661.7	26.6	27.1	904 x 100 x 110	28.7
7.5	10	730.5	739.7	30.6	31.1	904 x 100 x 110	32.7

4" ENCAPSULATED HIGH THRUST MOTOR - 3-PHASE

4CT HIGH THRUST MOTOR - 3-PHASE - MOTOR DESIGN | 9.3 KW

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MOTORS



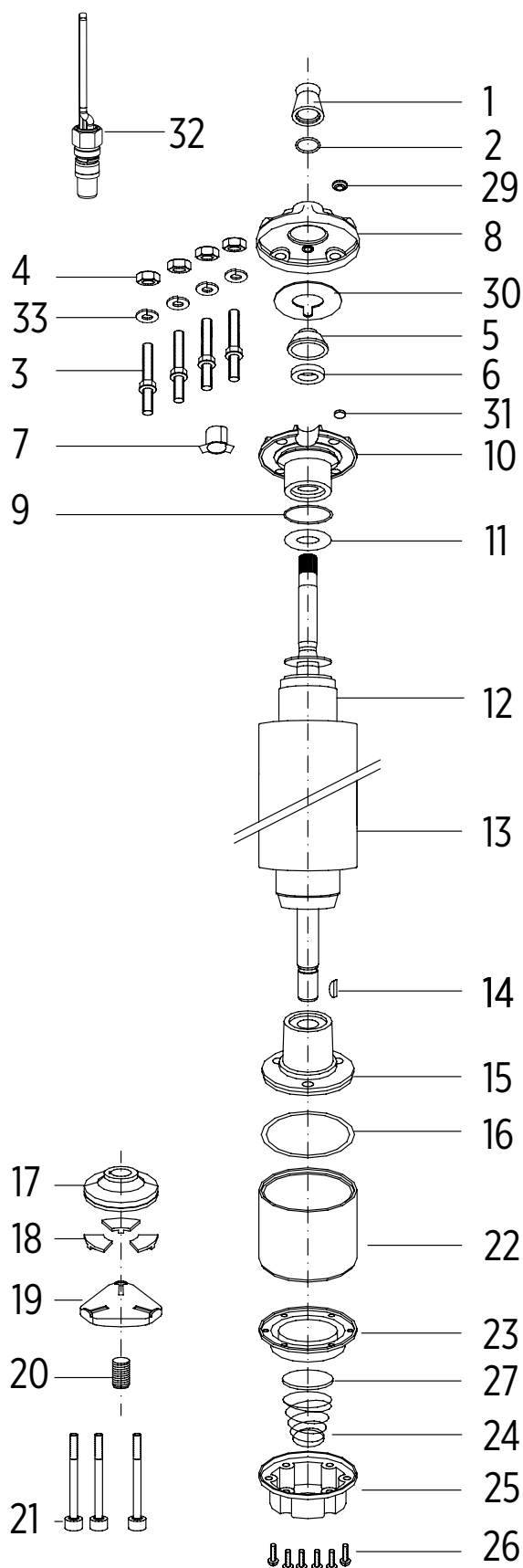
Tolerances according to NEMA MG 1-18.388

4CT HIGH THRUST MOTOR - 3-PHASE - DIMENSIONS AND WEIGHTS | 9.3 KW

P _N [kW]	motor		motor with lead in single pack	
	length [mm]	weight [kg]	dimensions [mm]	weight [kg]
9.3	855.1	37.9	256700	41.3

4" ENCAPSULATED HIGH THRUST MOTOR - 3-PHASE

4CT HIGH THRUST MOTOR - 3-PHASE - MOTOR PART DESCRIPTION | 9.3 KW

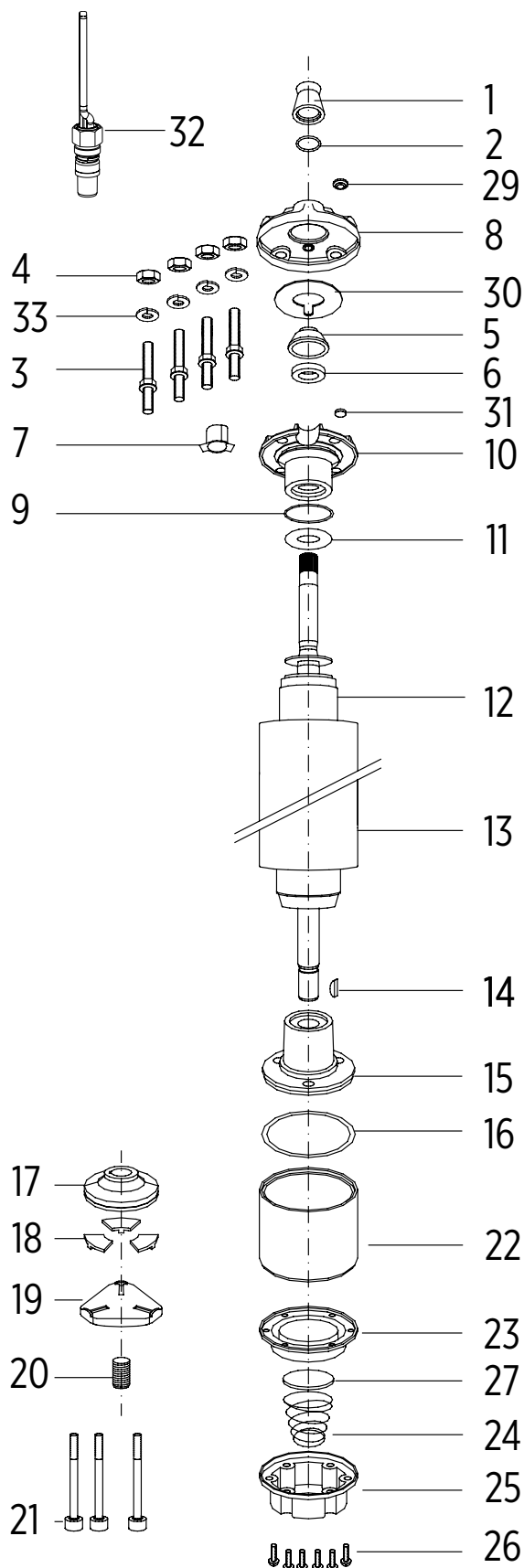


Pos.	part description	qty.	part no.
1	protector (spline)	1	Kit B
2	washer	1	275 542 102
3	slinger	1	Kit B
4	screw, seal cover	3	Kit C
5	seal cover	1	156 275 102
6	shaft seal	1	Kit B
7	Hexagon nut	4	Kit C
8	stud	4	Kit C
9	plug screw	1	282 230 101
10	top endbell	1	177 553 901
11	O-ring	1	Kit B
12	upthrust washer	1	308 317 901
13	stator	1	cf. section
14	rotor	1	cf. section
15	woodruff key	1	177 379 901
16	Woodruff key	1	275 250 104
17	thrust disc	1	Kit A
18	segments	3	Kit A
19	leveling disc	1	155 660 101
20	O-ring	1	Kit B
21	thrust housing	1	177 378 901
22	screw adjusted	1	151 048 102
23	screw	3	Kit C
24	diaphragm	1	Kit B
25	cup spring, diaphragm	1	151 448 201
26	Spring	1	151 449 101
27	diaphragm, housing	1	177 965 101
28	screw	6	Kit C
29	filter	1	156 276 101
30	cover, diaphragm	1	156 278 101
31	screw	3	Kit C
32	screw	2	Kit C
33	motor lead 2.50 m	1	cf. section
34	lock washer	4	31900

4" ENCAPSULATED HIGH THRUST MOTOR - 3-PHASE

4CT HIGH THRUST MOTOR - 3-PHASE - MOTOR PART DESCRIPTION | 304SS | 2.2 - 7.5 kW

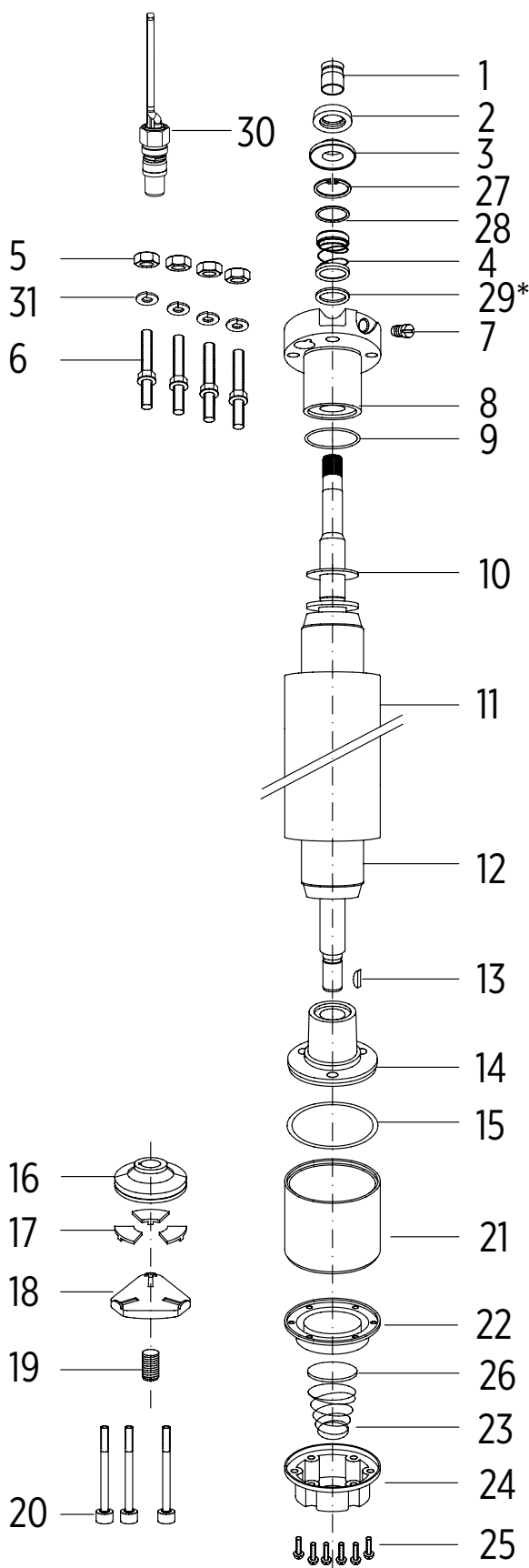
ENCAPSULATED
MOTORS



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 D
6	shaft seal	1	Kit B+D
7	connector boss	1	Kit D
8	top endbell, cover	1	Kit D
9	O-ring	1	Kit B+D
10	top endbell	1	Kit D
11	Upthrust washer 2.2 - 4.0 kW	1	308 268 104
	Upthrust washer 5.5 - 7.5 kW	1	308 317 901
12	rotor	1	cf. section
13	stator	1	cf. section
14	woodruff key	1	275 250 104
15	bottom endbell	1	Kit
16	O-ring	1	Kit B
17	thrust disc	1	Kit A
18	segment	1	Kit A
19	Leveling disc	1	155 660 101
20	screw adjusted	1	151 048 102
21	screw	3	Kit C
22	thrust housing	1	177 378 901
23	diaphragm	1	Kit B
24	spring	1	151 449 101
25	cover, diaphragm	1	164 100 50
26	screw	6	Kit C
27	cup spring, diaphragm	1	151 448 201
29	sealing stopper	1	Kit B+D
30	seal	1	Kit D
31	filter	1	Kit B+D
32	motor lead	1	cf. section
33	lock washer	4	Kit C

4" ENCAPSULATED HIGH THRUST MOTOR - 3-PHASE

4CT HIGH THRUST MOTOR - 3-PHASE - MOTOR PART DESCRIPTION | 316SS | 2.2 - 7.5 KW

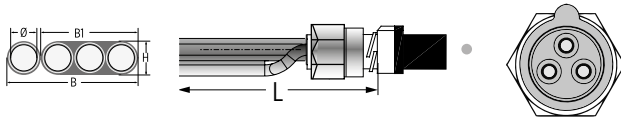


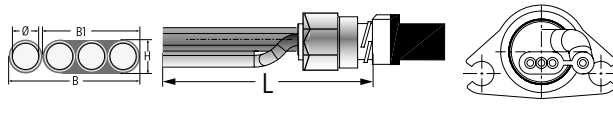
Pos.	part description	qty.	part no.
1	protector (spline)	1	Kit C
2	slinger	1	Kit C
3	seal cover	1	Kit B + C
4	shaft seal	1	Kit B
5	nut	4	Kit D
6	stud	4	Kit D
7	sealing screw	1	308 279 903
8	top endbell	1	Kit
9	O-ring	1	Kit B
10	upthrust washer	1	Kit
11	stator	1	<i>cf. section</i>
12	rotor	1	<i>cf. section</i>
13	woodruff key	1	275 250 104
14	bottom endbell	1	Kit
15	O-ring	1	Kit B
16	thrust disc	1	Kit A
17	segment	1	Kit A
18	leveling disc	1	155 660 101
19	screw adjusted	1	151 048 103
20	screw	3	Kit D
21	thrust housing	1	177 378 951
22	diaphragm	1	Kit B
23	spring	1	151 449 101
24	cover, diaphragm	1	364 100 50
25	screw	6	Kit D
26	cup spring, diaphragm	1	151 448 201
27	ring	1	Kit B
28	retain ring	1	Kit B
29*	washer	1	308 747 201
30	motor lead	1	<i>cf. section</i>
31	lock washer	4	Kit C

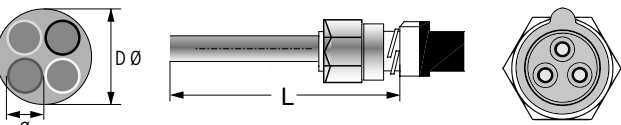
*only for 2.2 - 3 kW

4" ENCAPSULATED HIGH THRUST MOTOR - 3-PHASE

4CT HIGH THRUST MOTOR - 3-PHASE - MOTOR LEADS | 2.2 - 7.5 kW

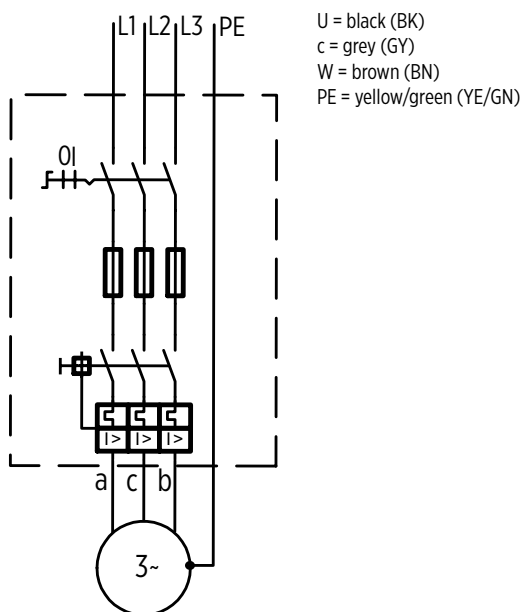
4CT motor leads - 3-phase - 2.2 - 7.5 kW			
Ø [mm²]	B [mm]	B1 [mm]	H [mm]
3X1,5 + 1G1,5	16.8	10.7	5
			
length [m]	model no.		
	304SS	316SS	
1.5	310 113 401	310 113 501	
2.5	310 113 402	310 113 502	
5	310 113 405	310 113 505	
10	310 113 410	310 113 510	
15	310 113 415	310 113 515	
20	310 113 420	310 113 520	
30	310 113 430	310 113 530	
40	310 113 440	310 113 540	
50	310 113 450	310 113 550	

4CT motor leads - 3-phase - 9.3 kW			
Ø [mm²]	B [mm]	B1 [mm]	H [mm]
3X1,5 + 1G1,5	16.8	10.7	5
			
length [m]	model no.		
2.5	311 116 502K		
5	311 116 505K		
10	312 116 510K		
20	313 116 520K		
30	314 116 530K		

4CT motor leads - 3-phase - Pollution recovery - 2.2 - 7.5 kW	
Ø [mm²]	D [mm]
1.5	9.8
	
length [m]	model no.
	316SS
1.5	310 313 501
2.5	310 313 502
10	310 313 510
20	310 313 520
30	310 313 530
40	310 313 540
50	310 313 550

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

4CT MOTOR - 3-PHASE - CONNECTIONS



4" ENCAPSULATED HIGH THRUST MOTOR - 3-PHASE

4CT HIGH THRUST MOTOR - 3-PHASE - MOTOR SPARE PARTS - KITS | 304SS | 2.2 - 7.5 kW

Kit	description	included positions	part no.
	End bell, upper 2,2 - 4,0 kW	5, 6, 7, 8, 9, 10, 29, 30, 31	308 233 509
	End bell, lower 2,2 - 4,0 kW	15	177 379 921
	End bell, upper 5,5 - 7,5 kW	5, 6, 7, 8, 9, 10, 29, 30, 31	308 434 501
	End bell, lower 5,5 - 7,5 kW	15	177 379 901
Kit A	thrust bearing kit 6500N	17, 18	308 700 301
Kit B	seal kit 304SS	1, 2, 6, 9, 16, 23, 29, 31	308 900 351
Kit B1	Seal kit Pollution Recovery 304SS	1, 2, 6, 9, 16, 23, 29, 31	308 900 401
Kit C	screw kit 304SS	3, 4, 21, 26, 33	308 658 351

4CT HIGH THRUST MOTOR - 3-PHASE - STATOR AND ROTOR | 304SS | 2.2 - 7.5 kW | 50 HZ

P_N [kW]	U_N [V]	motor model no.	model no. stator 304SS	model no. rotor 304SS
2.2	220, 230	234 756 3421/3422	305 491 361	178 163 903K
	380, 400, 415	234 726 3421/3422	305 491 381	
	500	234 796 3421/3422	305 491 401	
3	220, 230	234 766 3421/3422	305 491 362	178 125 903K
	380, 400, 415	234 764 3421/3422	305 491 382	
	500	234 768 3421/3422	305 491 402	
3.7	220, 230	234 757 3421/3422	305 491 363	178 126 903K
	380, 400, 415	234 727 3421/3422	305 491 383	
	500	234 797 3421/3422	305 491 403	
4	220, 230	234 767 3421/3422	305 491 364	178 127 903K
	380, 400, 415	234 765 3421/3422	305 491 384	
	500	234 769 3421/3422	305 491 404	
5.5	220, 230	234 758 3421/3422	305 491 365	178 133 903K
	380, 400, 415	234 728 3421/3422	305 491 385	
	500	234 798 3421/3422	305 491 405	
7.5	380, 400, 415	234 729 3421/3422	305 491 386	178 134 903K
	500	234 799 3421/3422	305 491 406	

4CT HIGH THRUST MOTOR - 3-PHASE - STATOR AND ROTOR | 304SS | 2.2 - 7.5 kW | 60 HZ

P_N [kW]	P_{MAX} [kW]	U_N [V]	model no. rotor 304SS
2.2	2.5	230	178 163 903K
		380	
		460	
3	3.4	230	178 125 903K
		380	
		460	
3.7	4.2	230	178 126 903K
		380	
		460	
4	4.7	230	178 127 903K
		380	
		460	
5.5	6.4	230	178 133 903K
		380	
		460	
7.5	8.6	380	178 134 903K
		460	

60 Hz stators on request

4" ENCAPSULATED HIGH THRUST MOTOR - 3-PHASE

4CT HIGH THRUST MOTOR - 3-PHASE - MOTOR SPARE PARTS - KITS | 316SS | 2.2 - 7.5 kW

Kit	description	included positions	part no.
2,2 - 4,0 kW	End bell, upper 316SS 2,2 - 4,0 kW DOL	8	177 390 955
	lower end bell 316SS 2,2 - 4,0 kW YD	0	177 390 956
5,5 - 7,5 kW	End bell, upper 316SS 5,5 - 7,5 kW DOL	8	177 390 951
	lower end bell 316SS 5,5 - 7,5 kW YD	0	177 390 953
Kit A	thrust bearing kit 6500N	16, 17	308 700 301
Kit B	Seal kit Standard 304SS	4, 9, 15, 22	308 900 302
Kit B1	Seal kit Pollution Recovery 304SS	1, 2, 3, 4, 9, 15, 22, 27, 28	308 900 402
Kit C	sand slinger kit 316SS motors	1, 2, 3	308 825 201
Kit D	screw kit 316SS	5, 6, 20, 25, 31	308 658 301

4CT HIGH THRUST MOTOR - 3-PHASE - STATOR AND ROTOR | 316SS | 50 HZ

P _N [kW]	U _N [V]	motor model no.	model no. stator 316SS	model no. rotor 316SS
2.2	220, 230	234 756 3521/3522	305 491 641	178 163 913K
	380, 400, 415	234 726 3521/3522	305 491 661	
	500	234 796 3521/3522	305 491 681	
3	220, 230	234 766 3521/3522	305 491 642	178 125 913K
	380, 400, 415	234 764 3521/3522	305 491 662	
	500	234 768 3521/3522	305 491 682	
3.7	220, 230	234 757 3521/3522	305 491 643	178 126 913K
	380, 400, 415	234 727 3521/3522	305 491 663	
	500	234 797 3521/3522	305 491 683	
4	220, 230	234 767 3521/3522	305 491 644	178 127 913K
	380, 400, 415	234 765 3521/3522	305 491 664	
	500	234 769 3521/3522	305 491 684	
5.5	220, 230	234 758 3521/3522	305 491 645	178 133 913K
	380, 400, 415	234 728 3521/3522	305 491 665	
	500	234 798 3521/3522	305 491 685	
7.5	380, 400, 415	234 729 3521/3522	305 491 666	178 134 913K
	500	234 799 3521/3522	305 491 686	

4CT HIGH THRUST MOTOR - 3-PHASE - STATOR AND ROTOR | 316SS | 60 HZ

P _N [kW]	P _{MAX} [kW]	U _N [V]	model no. rotor 316SS
2.2	2.5	230	178 163 913K
		380	
		460	
3	3.4	230	178 125 913K
		380	
		460	
3.7	4.2	230	178 126 913K
		380	
		460	
4	4.7	230	178 127 913K
		380	
		460	
5.5	6.4	230	178 133 913K
		380	
		460	
7.5	8.6	380	178 134 913K
		460	

60 Hz stators on request

4" ENCAPSULATED HIGH THRUST MOTOR - 3-PHASE

4CT HIGH THRUST MOTOR - 3-PHASE - MOTOR SPARE PARTS - KITS | 9.3 KW

Kit	description	included positions	part no.
Kit A	thrust bearing kit 6500N	17, 18	308 700 301
Kit B	seal kit 304SS 316SS	1, 3, 6, 11, 20, 24	308 900 501
Kit C	screw kit 304SS 316SS	4, 7, 8, 23, 28, 31, 32, 34	308 658 501

4CT HIGH THRUST MOTOR - 3-PHASE - STATOR AND ROTOR | 9.3 KW | 316SS | 50 HZ

P_N [kW]	U_N [V]	model no. stator 304SS 316SS	model no. rotor 304SS 316SS
9.3	380 - 415	326 995 920K	178 139 915K

60 Hz stators on request

YOUTUBE TUTORIALS



Tutorial 4CT cable mounting



Tutorial 4CT cable installation



Tutorial 4" termination kit assembly