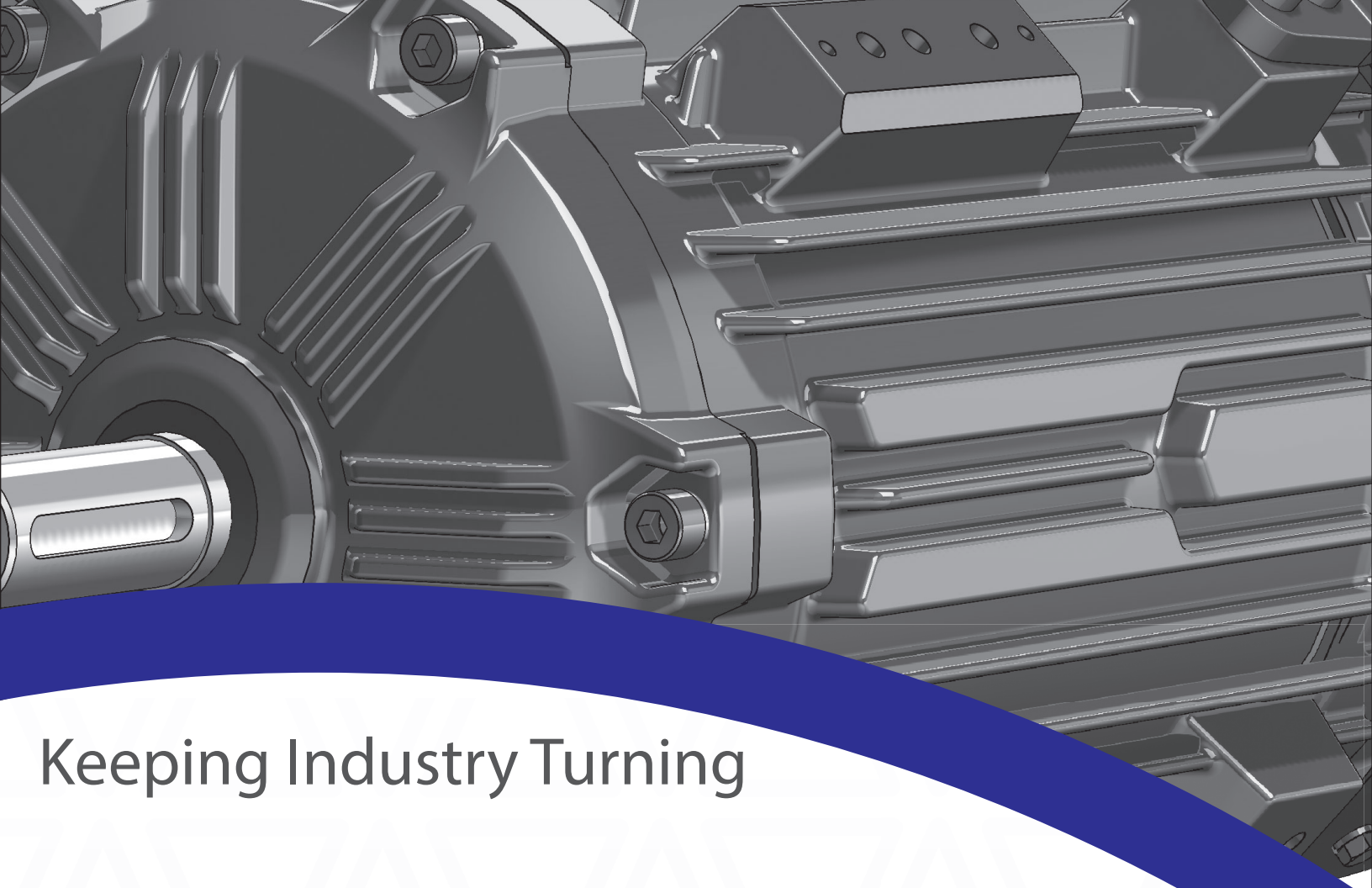




Keeping Industry Turning

Stainless Steel Motor Catalogue

**BROOK
CROMPTON** 
Keeping Industry Turning

WOLONG
Power your future

Stainless Steel NEMA & IEC Motors

Certifications



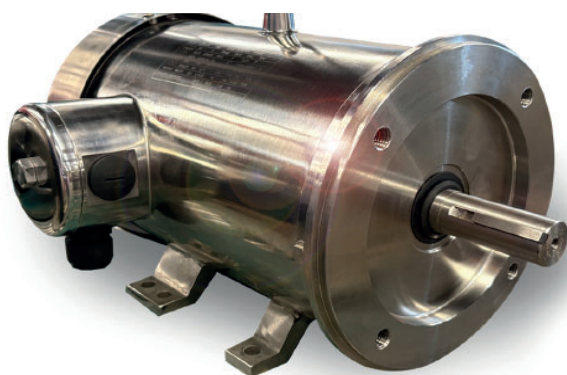
Stainless Steel Range

The Brook Crompton Stainless Steel frame motor range covers products with outputs from 0.25HP up to 30HP, 1800, 3600 and 1200 RPM in C-face mount in NEMA, and D-flange mount in IEC

They are suitable for use in Continuous duty, stainless steel motor designed to meet the severe sanitation requirements of food-grade and high pressure washdown motor applications in the pharmaceutical, food and beverage, processing and packaging industries.

Features

- Premium Efficiency Stainless Steel Motor
- Voltage: 230/460V & 575V
- Enclosure: TEFC & TENV
- Class F Insulation
- IP69K Ingress Protection
- 304 Stainless Steel Construction
- Fully Encapsulated Windings
- Food Grade Bearings
- Inverter Duty Rated: 3:1CT & 5:1VT
- 1.15 service factor
- 4 Drain Plugs in cast stainless steel end bells with T-drains packed in conduit box
- Double VPI treatment & epoxy varnished
- PTC140 thermistors standard for 180 frame and up
- 5 Year Warranty



Stainless Steel Nema 56C Frame

List Price and Motor Details

HP	RPM	Frame	Voltage	P/N	List
0.25	3600	56C	230/460 V	WF4N.25-4C	\$702
	3600	56C	575 V	WF4N.25-5C	\$702
	1800	56C	230/460 V	WF4N.25-4C	\$707
	1800	56C	575 V	WF4N.25-5C	\$707
	1200	56C	230/460 V	WF6N.25-4C	\$755
	1200	56C	575 V	WF6N.25-5C	\$755
0.33	3600	56C	230/460 V	WF2N.33-4C	\$715
	3600	56C	575 V	WF2N.33-5C	\$715
	1800	56C	230/460 V	WF4N.33-4C	\$727
	1800	56C	575 V	WF4N.33-5C	\$727
	1200	56C	230/460 V	WF6N.33-4C	\$769
	1200	56C	575 V	WF6N.33-5C	\$769
0.50	3600	56C	230/460 V	WF2N.50-4C	\$737
	3600	56C	575 V	WF2N.50-5C	\$737
	1800	56C	230/460 V	WF4N.50-4C	\$754
	1800	56C	575 V	WF4N.50-5C	\$754
	1200	56C	230/460 V	WF6N.50-4C	\$800
	1200	56C	575 V	WF6N.50-5C	\$800
0.75	3600	56C	230/460 V	WF2N.75-4C	\$764
	3600	56C	575 V	WF2N.75-5C	\$764
	1800	56C	230/460 V	WF4N.75-4C	\$772
	1800	56C	575 V	WF4N.75-5C	\$772
	1200	56C	230/460 V	WF6N.75-4C	\$836
	1200	56C	575 V	WF6N.75-5C	\$836
1	3600	56HC	230/460 V	WF2N001-4C	\$805
	3600	56HC	575 V	WF2N001-5C	\$805
	1800	56HC	230/460 V	WF4N001-4C	\$814
	1800	56HC	575 V	WF4N001-5C	\$814
	1200	56HC	230/460 V	WF6N001-4C	\$877
	1200	56HC	575 V	WF6N001-5C	\$877
1.5	3600	56HC	230/460 V	WF2N1.5-4C	\$840
	3600	56HC	575 V	WF2N1.5-4C	\$840
	1800	56HC	230/460 V	WF4N1.5-4C	\$858
	1800	56HC	575 V	WF4N1.5-4C	\$858
	1200	56HC	230/460 V	WF6N1.5-4C	\$931
	1200	56HC	575 V	WF6N1.5-4C	\$931
2	3600	56HC	230/460 V	WF2N002-4C	\$886
	3600	56HC	575 V	WF2N002-5C	\$886
	1800	56HC	230/460 V	WF4N002-4C	\$922
	1800	56HC	575 V	WF4N002-5C	\$922
	1200	56HC	230/460 V	WF6N002-4C	\$1,029
	1200	56HC	575 V	WF6N002-4C	\$1,029

Stainless Steel Nema 143TC-215TC Frame

List Price and Motor Details

HP	RPM	Frame	Voltage	P/N	List
0.75	3600	143TC	230/460 V	WS2N.75-4C	\$787
	3600	143TC	575 V	WS2N.75-5C	\$787
	1800	143TC	230/460 V	WS4N.75-4C	\$814
	1800	143TC	575 V	WS4N.75-5C	\$814
	1200	145TC	230/460 V	WS6N.75-4C	\$845
	1200	145TC	575 V	WS6N.75-5C	\$845
1	3600	143TC	230/460 V	WS2N001-4C	\$814
	3600	143TC	575 V	WS2N001-5C	\$814
	1800	143TC	230/460 V	WS4N001-4C	\$832
	1800	143TC	575 V	WS4N001-5C	\$832
	1200	182TC	230/460 V	WS6N001-4C	\$881
	1200	182TC	575 V	WS6N001-5C	\$881
1.5	3600	145TC	230/460 V	WS2N1.5-4C	\$845
	3600	145TC	575 V	WS2N1.5-5C	\$845
	1800	145TC	230/460 V	WS4N1.5-4C	\$868
	1800	145TC	575 V	WS4N1.5-5C	\$868
	1200	184TC	230/460 V	WS6N1.5-4C	\$1,561
	1200	184TC	575 V	WS6N1.5-5C	\$1,561
2	3600	145TC	230/460 V	WS2N002-4C	\$890
	3600	145TC	575 V	WS2N002-5C	\$890
	1800	145TC	230/460 V	WS4N002-4C	\$927
	1800	145TC	575 V	WS4N002-5C	\$927
	1200	184TC	230/460 V	WS6N002-4C	\$1,635
	1200	184TC	575 V	WS6N002-5C	\$1,635
3	3600	182TC	230/460 V	WS2N003-4C	\$1,667
	3600	182TC	575 V	WS2N003-5C	\$1,667
	1800	182TC	230/460 V	WS4N003-4C	\$1,621
	1800	182TC	575 V	WS4N003-5C	\$1,621
	1200	213TC	230/460 V	WS6N003-4C	\$2,071
	1200	213TC	575 V	WS6N003-5C	\$2,071
5	3600	184TC	230/460 V	WS2N005-4C	\$1,759
	3600	184TC	575 V	WS2N005-5C	\$1,759
	1800	184TC	230/460 V	WS4N005-4C	\$1,690
	1800	184TC	575 V	WS4N005-5C	\$1,690
	1200	215TC	230/460 V	WS6N005-4C	\$2,190
	1200	215TC	575 V	WS6N005-5C	\$2,190
7.5	3600	213TC	230/460 V	WS2N7.5-4C	\$2,323
	3600	213TC	575 V	WS2N7.5-5C	\$2,323
	1800	213TC	230/460 V	WS4N7.5-4C	\$2,190
	1800	213TC	575 V	WS4N7.5-5C	\$2,190
10	3600	215TC	230/460 V	WS2N010-4C	\$2,502
	3600	215TC	575 V	WS2N010-5C	\$2,502
	1800	215TC	230/460 V	WS4N010-4C	\$2,401
	1800	215TC	575 V	WS4N010-5C	\$2,401

Stainless Steel IEC 71D- 132D Frame

List Price and Motor Details

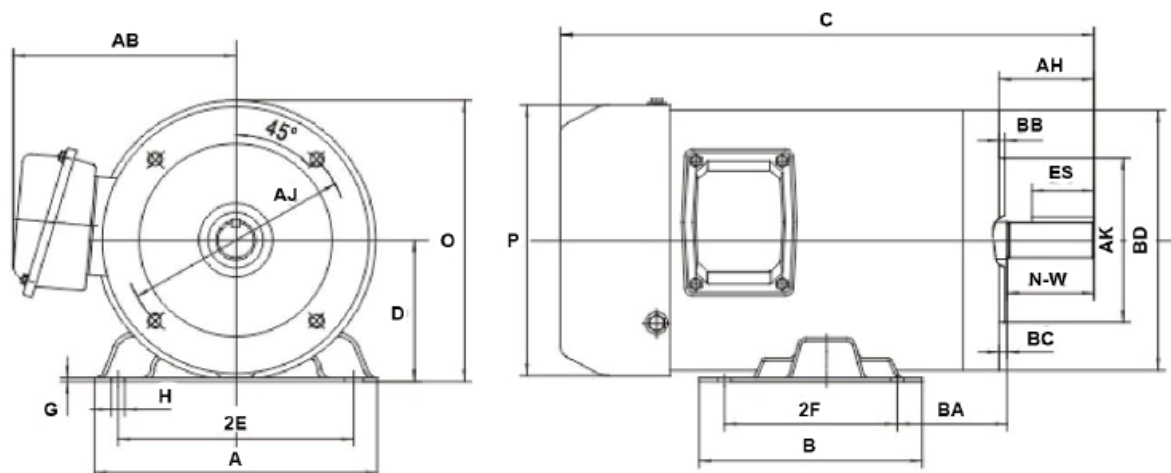
HP	RPM	Frame		Voltage	P/N	List
0.5	0.37	1800	71	230/460 V	WS4M.50-4D	\$738
		1800	71	575 V	WS4M.50-5D	\$738
		1200	80	230/460 V	WS4M.50-4D	\$991
		1200	80	575 V	WS4M.50-5D	\$991
0.75	0.55	1800	80	230/460 V	WS4M.75-4D	\$1,030
		1800	80	575 V	WS4M.75-5D	\$1,030
		1200	90S	230/460 V	WS6M.75-4D	\$1,219
		1200	90S	575 V	WS6M.75-5D	\$1,219
1	0.75	3600	80	230/460 V	WS2M001-4D	\$945
		3600	80	575 V	WS2M001-5D	\$945
		1800	80	230/460 V	WS4M001-2D	\$1,030
		1800	80	575 V	WS4M001-5D	\$1,030
		1200	90S	230/460 V	WS6M001-4D	\$1,220
		1200	90S	575 V	WS6M001-5D	\$1,220
1.5	1.1	3600	80	230/460 V	WS2M1.5-4D	\$1,012
		3600	80	575 V	WS2M1.5-5D	\$1,012
		1800	90S	230/460 V	WS4M1.5-4D	\$1,175
		1800	90S	575 V	WS4M1.5-5D	\$1,175
2	1.5	3600	90S	230/460 V	WS2M002-4D	\$1,223
		3600	90S	575 V	WS2M002-5D	\$1,223
		1800	90L	230/460 V	WS4M002-4D	\$1,281
		1800	90L	575 V	WS4M002-5D	\$1,281
3	2.2	3600	90L	230/460 V	WS2M003-4D	\$1,359
		3600	90L	575 V	WS2M003-5D	\$1,359
		1800	100L	230/460 V	WS4M003-4D	\$1,742
		1800	100L	575 V	WS4M003-5D	\$1,742
		1200	112M	230/460 V	WS6M003-2D	\$1,996
		1200	112M	575 V	WS6M003-5D	\$1,996
4	3	3600	100L	230/460 V	WS2M004-4D	\$1,817
		3600	100L	575 V	WS2M004-5D	\$1,817
		1800	100L	230/460 V	WS4M004-4D	\$1,926
		1800	100L	575 V	WS4M004-5D	\$1,926
		1200	132S	230/460 V	WS6M004-4D	\$2,747
		1200	132S	575 V	WS6M004-5D	\$2,747
5.5	4	3600	112M	230/460 V	WS2M5.5-4D	\$2,100
		3600	112M	575 V	WS2M5.5-5D	\$2,100
		1800	112M	230/460 V	WS4M5.5-4D	\$2,189
		1800	112M	575 V	WS4M5.5-5D	\$2,189
		1200	132M	230/460 V	WS6M5.5-4D	\$2,865
		1200	132M	575 V	WS6M5.5-5D	\$2,865
7.5	5.5	3600	132S	230/460 V	WS2M7.5-4D	\$2,991
		3600	132S	575 V	WS2M7.5-5D	\$2,991
		1800	132S	230/460 V	WS4M7.5-4D	\$2,894
		1800	132S	575 V	WS4M7.5-5D	\$2,894
		1200	132M	230/460 V	WS6M7.5-2D	\$3,176
		1200	132M	575 V	WS6M7.5-5D	\$3,176
10	7.5	3600	132S	230/460 V	WS2M010-4D	\$3,317
		3600	132S	575 V	WS2M010-5D	\$3,317
		1800	132M	230/460 V	WS4M010-4D	\$3,215
		1800	132M	575 V	WS4M010-5D	\$3,215
		1200	160M	230/460 V	WS6M010-4D	\$5,294
		1200	160M	575 V	WS6M010-5D	\$5,294

Contact our Office for the Technical Information and Pricing above 10HP Motor's

Stainless Steel Nema/IEC Technical Data sheet

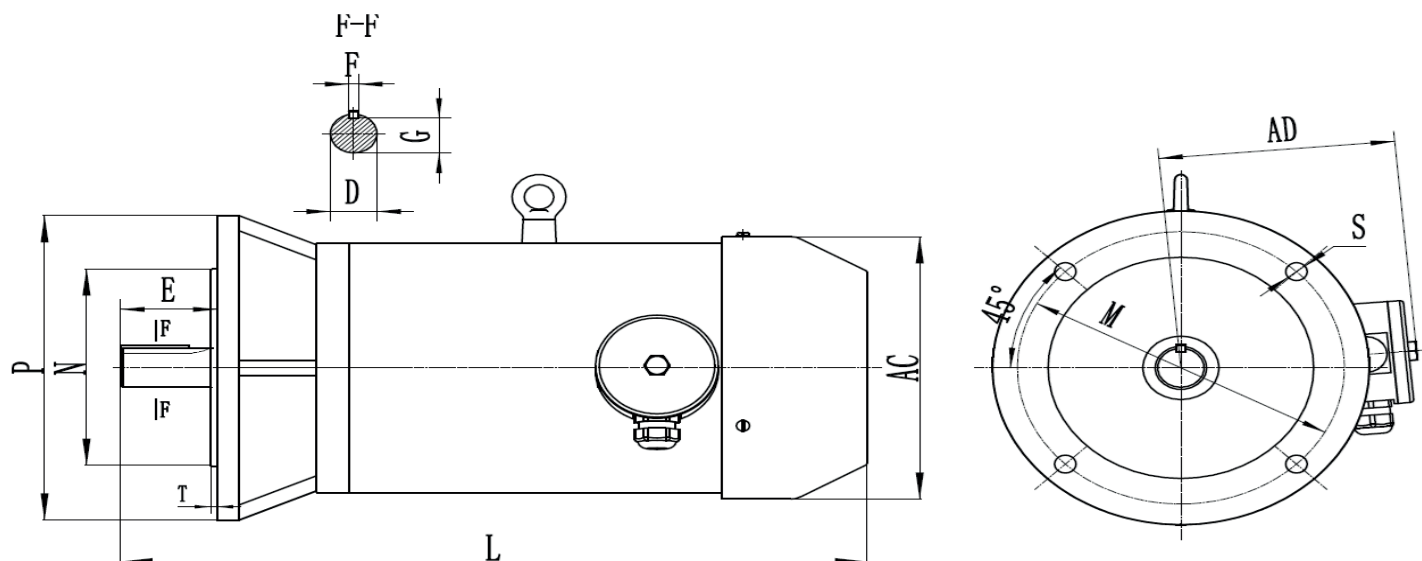
HP	RPM	KVA Code	Current 460V			Torque			Efficiency %			Power Factor %		
			Idle	FLA	LRA	FL lb-ft	LR %	BD %	FL	3/4	1/2	FL	3/4	1/2
1/4	3405	H	0.22	0.42	10	0.39	230	275	70.0	71.44	69.63	80	80.36	69.56
1/3	3405	H	0.32	0.54	10	0.51	230	275	71.0	73.56	71.40	81	78.15	66.47
1/2	3425	J	0.41	0.77	10	0.77	230	275	74.0	77.04	74.90	82	80.11	69.10
3/4	3410	H	0.59	1.12	12.5	1.16	200	275	75.5	78.11	76.88	83	81.78	71.31
1	3440	J	0.63	1.45	15	1.53	185	250	77.0	81.10	79.73	84	84.96	75.53
1.5	3440	H	0.87	1.99	20	2.29	175	250	84.0	82.91	82.15	84	86.20	77.77
2	3430	G	0.91	2.55	25	3.07	170	240	85.5	84.61	83.99	86	89.24	82.72
1/4	1740	K	0.34	0.46	10	0.76	300	300	74.0	74.71	72.01	69	64.92	51.73
1/3	1735	J	0.46	0.58	10	1.00	300	300	76.0	76.54	72.98	70	65.19	51.84
1/2	1730	J	0.56	0.82	10	1.52	250	300	77.0	77.77	75.94	74	69.60	56.48
3/4	1725	H	0.83	1.22	12.5	2.29	275	300	78.0	79.36	78.01	74	71.14	58.37
1	1725	G	1.06	1.52	15	3.05	250	280	82.5	82.88	81.73	75	71.94	59.16
1.5	1720	G	1.34	2.12	20	4.59	250	280	84.0	84.58	83.88	79	75.50	63.49
2	1720	G	1.64	2.78	25	6.11	235	270	84.0	85.64	85.00	80	76.83	65.21
1/4	1140	H	0.52	0.56	10	1.15	175	265	68.0	69.65	66.05	62	54.66	42.50
1/3	1140	H	0.61	0.70	10	1.52	175	265	70.0	72.74	69.69	64	56.17	43.79
1/2	1135	G	0.80	0.96	10	2.32	175	265	74.0	75.86	73.48	66	59.02	46.30
3/4	1135	G	1.11	1.36	12.5	3.47	175	265	77.0	79.67	77.59	67	60.05	47.21
1	1135	F	1.50	1.72	15	4.63	170	265	80.0	80.69	78.82	68	60.14	47.10
1.5	1130	F	2.11	2.58	20	6.98	170	265	80.0	81.88	80.48	68	62.16	48.97
2	1130	G	2.88	3.39	25	9.31	170	265	80.0	83.03	81.88	69	64.00	51.30
3/4	3410	H	0.59	1.12	12.5	1.16	200	275	75.5	78.11	76.88	83	81.78	71.31
1	3440	J	0.63	1.45	15	1.53	185	250	77.0	81.10	79.73	84	84.96	75.53
1.5	3440	H	0.87	1.99	20	2.29	175	250	84.0	85.05	84.71	84	86.20	77.77
2	3430	G	0.91	2.55	25	3.07	170	240	85.5	86.15	86.12	86	89.24	82.72
3	3455	H	1.31	3.78	32	4.57	160	230	86.5	86.90	85.91	86	89.66	83.30
3/4	1725	H	0.83	1.22	12.5	2.29	275	300	78.0	79.36	71.14	74	78.01	58.37
1	1725	G	1.06	1.46	15	3.05	275	300	85.5	84.76	83.20	75	71.94	59.16
1.5	1720	G	1.34	2.06	20	4.59	250	280	86.5	86.35	85.13	79	75.50	63.49
2	1720	G	1.64	2.71	25	6.11	235	270	86.5	86.82	86.25	80	76.83	65.21
3	1725	G	2.57	3.92	32	9.14	215	250	89.5	88.91	88.15	80	77.10	65.61
3/4	1135	G	1.11	1.36	12.5	3.47	175	265	77.0	79.67	77.59	67	60.05	47.21
1	1135	F	1.50	1.67	15	4.63	170	265	82.5	82.54	81.31	68	60.14	47.10
3	3510	J	1.46	3.73	32	4.49	160	230	86.5	87.25	86.36	87	88.65	81.80
5	3500	H	2.26	6.01	46	7.51	150	215	88.5	88.91	88.63	88	89.55	83.35
3	1765	J	2.53	3.92	32	8.94	215	250	89.5	89.42	88.18	80	75.25	63.24
5	1760	H	3.52	6.54	46	14.94	185	225	89.5	89.32	88.61	80	79.82	69.39
1.5	1175	G	1.69	2.29	20	6.71	165	250	87.5	87.32	88.43	70	67.30	54.35
2	1170	G	2.09	2.90	25	8.99	160	240	88.5	88.32	86.51	73	69.16	56.42
3	1170	F	2.88	4.3	32	13.48	155	230	89.5	89.12	87.61	73	65.35	52.23
7.5	3520	G	1.72	8.82	63.5	11.20	140	200	89.7	89.82	89.45	89	89.95	84.62
10	3520	G	1.88	11.53	81	14.94	135	200	90.2	90.76	90.25	90	91.66	87.78
7.5	1760	G	3.65	9.12	63.5	22.41	175	215	91.7	91.63	91.12	84	81.90	73.06
10	1760	G	4.10	12.16	81	29.87	165	200	91.7	91.85	91.41	84	83.64	75.83
3	1175	G	3.18	4.30	32	13.42	155	230	89.5	89.65	88.42	73.0	68.46	55.95
5	1170	F	4.82	6.97	46	22.47	150	215	89.5	90.08	89.46	75.0	71.38	59.35
7.5	1170	G	5.20	10.29	63.5	33.70	180	220	91.0	91.17	90.48	75	69.5	57.5
10	1170	G	6.83	13.54	81	44.94	170	220	91.0	91.4	90.61	76	70.9	58.7

Stainless Steel Nema Drawing



Frame	Mounting			A	B	C	D	G	H	O	P	R	S	AB	Shaft		
	2E	2F	BA												N-W	U	V
56C	4.88	3	2.75	6.5	5.0	12.5	3.5	0.118	0.34	6.8	7.0	0.517	0.188	6.5	1.88	0.625	2
56HC	4.88	5	2.75	6.5	6.5	14.5	3.5	0.118	0.34	6.8	7.0	0.517	0.188	6.5	1.88	0.625	2
56HC4						16.0											
143TC	5.5	4	2.75	6.5	5.0	13.4	3.5	0.118	0.34	6.8	7.0	0.771	0.188	6.5	2.25	0.875	2
145TC	5.5	5	2.75	6.5	6.5	14.2	3.5	0.118	0.34	6.8	7.0	0.771	0.188	6.5	2.25	0.875	2
145TC2-2 145TC3-4						16.2											
182TC-2	7.5	4.5	3.5	8.6	6.7	17.3	4.5	0.394	0.41	9.2	8.9	0.986	0.25	7.1	2.75	1.125	2.5
184TC-2 184TC2-6	7.5	5.5	3.5	8.6	6.7	17.9	4.5	0.394	0.41	9.2	8.9	0.986	0.25	7.1	2.75	1.125	2.5
182TC-4/6	7.5	4.5	3.5	8.6	6.7	16.5	4.5	0.394	0.41	9.3	8.9	0.986	0.25	7.1	2.75	1.125	2.5
184TC-4/6	7.5	5.5	3.5	8.6	6.7	17.1	4.5	0.394	0.41	9.3	8.9	0.986	0.25	7.1	2.75	1.125	2.5
213TC	8.5	5.5	4.25	9.6	8.2	20.5	5.25	0.394	0.41	11.0	10.2	1.201	0.312	8.27	3.38	1.375	3.12
215TC	8.5	7	4.25	9.6	8.2	22	5.25	0.394	0.41	11.0	10.2	1.201	0.312	8.27	3.38	1.375	3.12

Frame	AJ	AK	BA	BB	BC	MAX BD	Thlead	Hole Depth	U	AH	Key Seat		
											R	ES	S
56C. 56HC	5.875	4.5	2.75	0.16	-0.19	6.5	3/8-16	-	0.625	2.06	0.517	1.41	0.188
143TC. 145TC	5.875	4.5	2.75	0.16	+0.12	6.5	3/8-16	0.56	0.875	2.12	0.771	1.41	0.188
182TC184TC	7.25	8.5	3.5	0.25	+0.12	9.0	1/2-13	0.75	1.125	2.62	0.986	1.78	0.250
213TC.215TC	7.25	8.5	4.25	0.25	+0.25	9.0	1/2-13	0.75	1.375	3.12	1.201	2.41	0.312



Frame	Poles	Shaft Details Dimension			Overall Dimension						Total Length		
		D	E	F	G	M	N	P	S	T	AC	AD	L
63M1	2	11	23	4	8.5	115	90	140	4X10	3	122	105	250
	4												270
63M2	2	11	23	4	8.5	115	90	140	4X10	3	122	105	250
	4												270
71M1	2,4	14	30	5	11	130	110	160	4X10	3.5	137	115	275
71M2	2,4												275
80M1	2,4,6	19	40	6	15.5	165	130	200	4X12	3	158	135	308
80M2	2,4												328
	6												338
90L-2	2,4	24	50	8	20	165	130	200	4X12	3.5	178	150	448
90L-4	6	24	50	8	20	165	130	200	4X12	3.5	200	160	445
100L/L2	2,4	28	60	8	24	215	180	250	4X15	3.5	200	150	449
100L1/L	4,6												409
112M	2,6	28	60	8	24	215	180	250	4X15	4	220	180	475
112M	4												505
132S1/S	2,4,6	38	80	10	33	265	230	300	4X15	3.5	260	200	526
132M1	6												571
132S2	2												
132M	4,6												



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