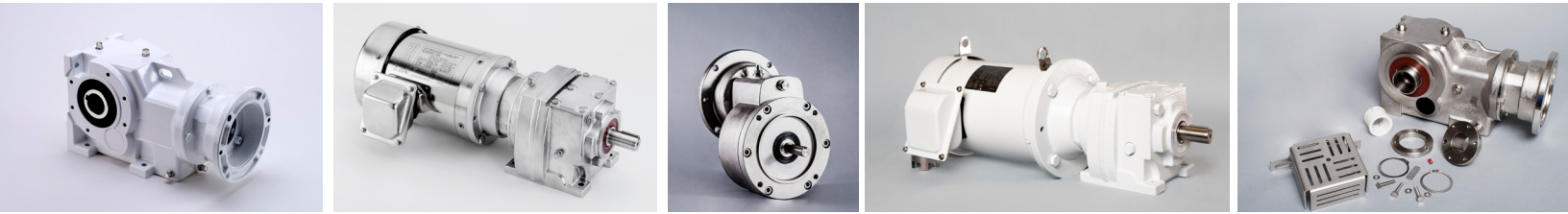


STERLING ELECTRIC, INC.



HELICAL GEAR PRODUCTS

STERLING

ELECTRIC, INC.

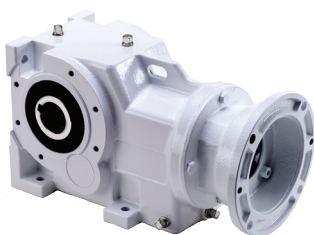
Sterling Electric offers a full range of Helical Gear Products to meet the demanding applications found in today's industry. Our standard cast iron product design lends itself to the harsh environments found in the pulp/paper and chemical industry providing excellent corrosion resistance and long life.

This catalog features a wide variety of Helical In-Line, Helical Ratio Multipliers and Helical Bevel Reducers or Gearmotors to choose from. These products range from our standard totally enclosed fan cooled motor design to our Sterli-Seal[®] Washdown Duty, providing superior protection in high pressure sanitation applications.



Standard Product Features:

- Cast Iron Single Piece Housing
- Dimensionally Interchangeable with many European brands
- Filled at factory with proper lubrication for customer convenience
- Coupling Style on all C-Face Helical In-line and Helical Bevel Reducers for ease of motor assembly
- All Gearmotors are C-Face Motor construction

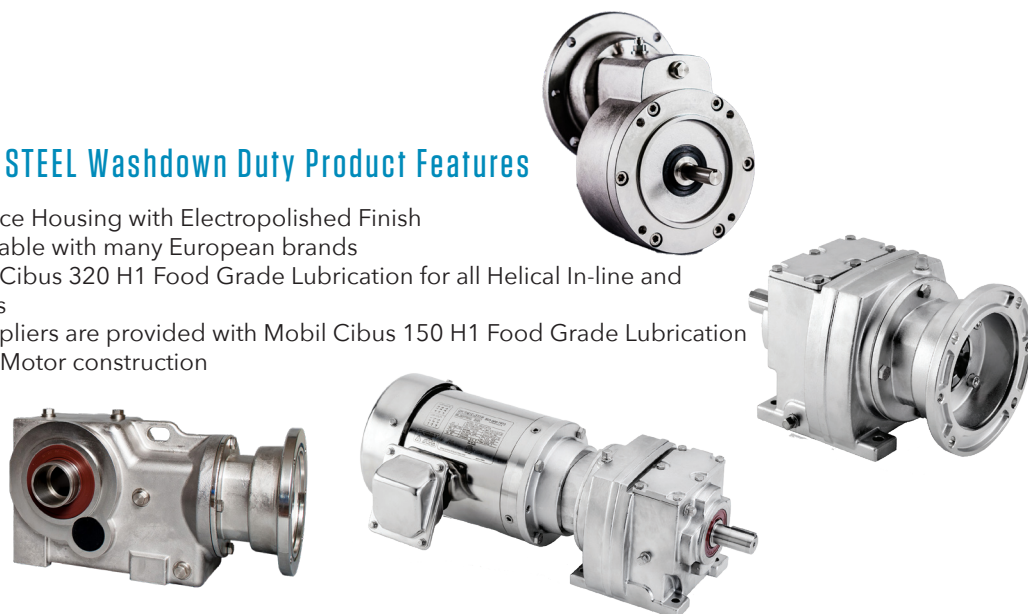


Sterli-Seal[®] Washdown Duty Product Features

- Cast Iron Single Piece Housing with USDA Approved Coating
- Filled at factory with Mobil Cibus 320 H1 Food Grade Lubrication for all Helical In-line and Helical Bevel Style reducers
- All Single Stage Ratio Multipliers are provided with Mobil Cibus 150 H1 Food Grade Lubrication
- Helical In-line Frames R04-R07 and All Ratio Multiplier or Helical Bevel units are provided with a Stainless Steel Output Shaft.

Sterli-Seal[®] STAINLESS STEEL Washdown Duty Product Features

- Investment Cast Single Piece Housing with Electropolished Finish
- Dimensionally Interchangeable with many European brands
- Filled at factory with Mobil Cibus 320 H1 Food Grade Lubrication for all Helical In-line and Helical Bevel Style reducers
- All Single Stage Ratio Multipliers are provided with Mobil Cibus 150 H1 Food Grade Lubrication
- All Gearmotors are C-Face Motor construction



CONTENTS**R-Series Class I Helical Inline Gearmotors and Reducers**

• Part Number Nomenclature	A2
• Standard Efficient TEFC Enclosure 1/3HP – 3/4 HP	A3
• Premium Efficient TEFC Enclosure 1HP through 50HP	A4 – A7
• Standard Efficient Sterli-Seal ® Washdown Duty 1/3HP – 3/4HP	A8
• Premium Efficient Sterli-Seal ® Washdown Duty 1HP through 50HP	A9 – A12
• Sterli-Seal ® <i>STAINLESS STEEL</i> Washdown Duty 1/2HP – 3/4HP	A13
• Sterli-Seal ® Premium Efficient <i>STAINLESS STEEL</i> Washdown Duty 1HP – 20HP	A14 – A16
• <i>SSR2000 Series</i> Sterli-Seal ® <i>STAINLESS STEEL</i> <i>Inverter Duty (10:1 Constant Torque)</i> Washdown Duty 1HP – 20HP	A17 – A19
• <i>Inverter Duty</i> (10:1 Constant Torque) 1 HP – 50HP	A20 – A23
• <i>Inverter Duty</i> (10:1 Constant Torque) Sterli-Seal ® Washdown Duty 1HP – 50HP	A24 – A27
• Reducer Rating Tables	A28 – A36
• Dimensional Drawings	A37 – A42

R-Series Helical Ratio Multiplier Reducers

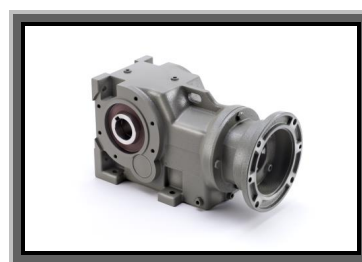
• Rating Tables	B1
• Dimensional Drawings	B2 – B3
• Lubrication and Approximate Weights	B3

K-Series Class I Helical Bevel Gearmotors and Reducers

• Part Number Nomenclature	C2
• Customer Required Shaft Dimensions (Hollow Output Only)	C3
• Reducer Rating Tables	C4 – C6
• Accessories – Taper Bushings, Torque Arms and Shaft Cover Kits	C6
• Standard Efficient 1/3HP – 3/4HP	C7
• Premium Efficient 1HP – 20HP	C8 – C10
• Standard Efficient Sterli-Seal ® Washdown Duty 1/3HP – 3/4HP	C11
• Premium Efficient Sterli-Seal ® Washdown Duty 1HP through 20HP	C12 – C14
• Sterli-Seal ® <i>STAINLESS STEEL</i> Washdown Duty 1/2HP – 3/4HP	C15
• Sterli-Seal ® Premium Efficient <i>STAINLESS STEEL</i> Washdown Duty 1HP – 10HP	C16 – C18
• <i>Inverter Duty</i> (10:1 Constant Torque) 1 HP – 20HP	C19 – C21
• <i>Inverter Duty</i> (10:1 Constant Torque) Sterli-Seal ® Washdown Duty 1HP – 20HP	C22 – C24
• <i>SSR2000 Series</i> Sterli-Seal ® <i>STAINLESS STEEL</i> <i>Inverter Duty (10:1 Constant Torque)</i> Washdown Duty 1HP – 10HP	C25 – C28
• Backstop Kits	C29 – C30
• Dimensional Drawings	C31 – C34

Engineering Data

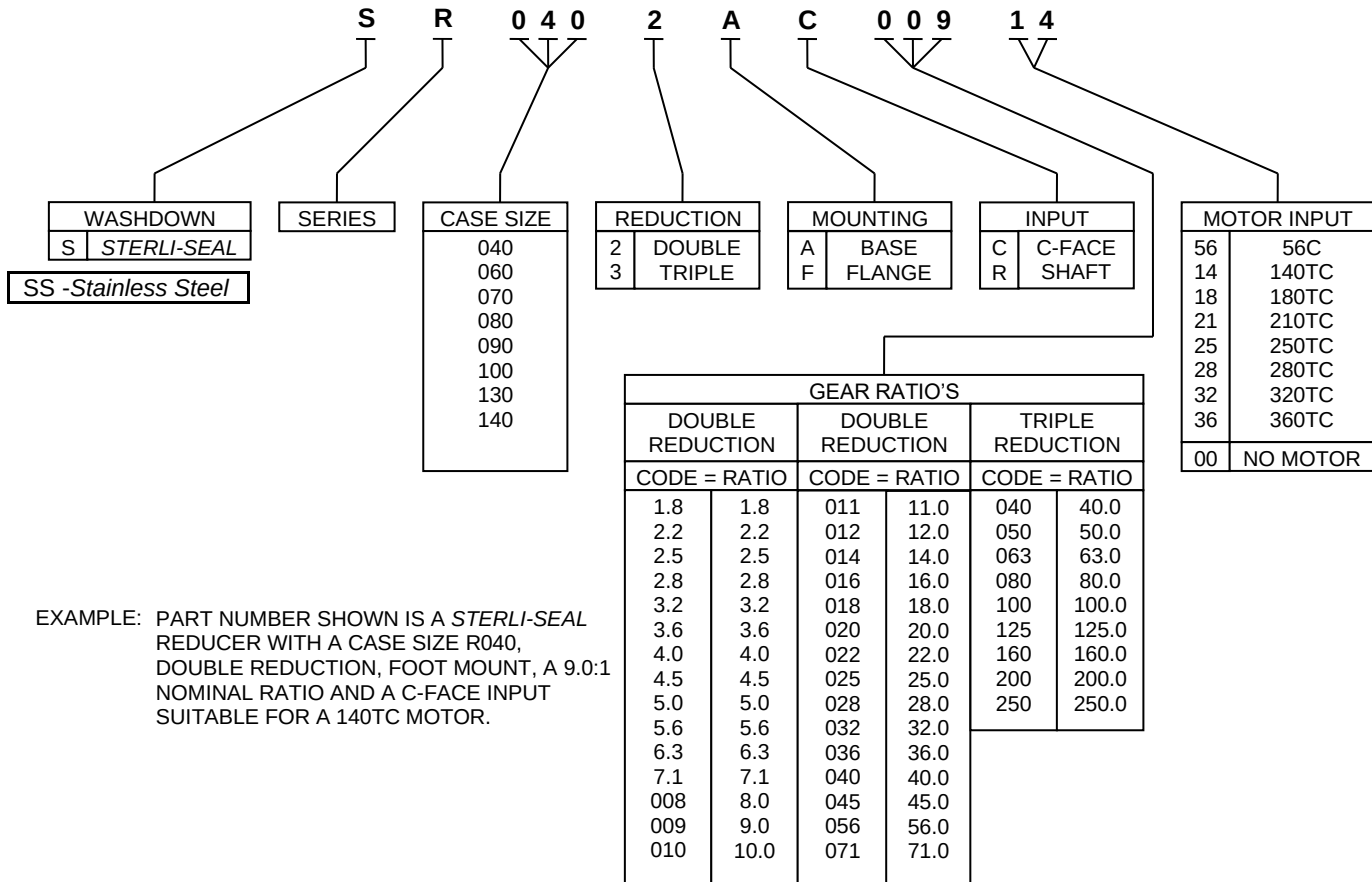
Application Formulas	D1
Overhung Load and Axial Thrust Values	D1 – D3
R2000HG Helical In-line Installation and Operating Instructions	D4
R2000HB Helical Bevel Installation and Operating Instructions	D5
Universal Taper Bushing Installation Instructions	D5 – D6
Motor Installation Instructions	D7
Lubrication Instructions	D8 – D9
Helical In-line and Helical Bevel Assembly Position Selections	D9
Vent Plug Installation and General Maintenance Instructions	D10 – D11
Storage and Warranty	D11
R2000HG Helical In-line Parts Exploded View	D12 – D13
R2000HB Helical Bevel Part Exploded View	D14 – D15



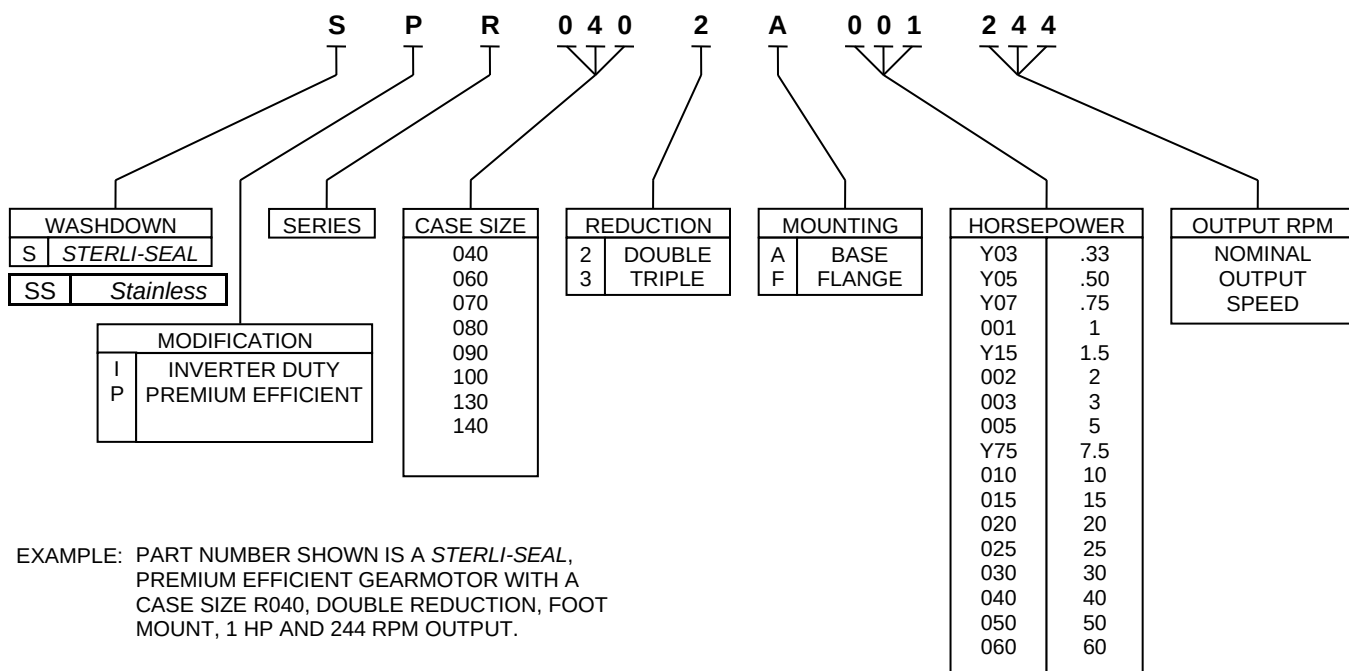
The products found in this section provide a complete range of Helical Gearmotors and Reducers that meet the following specifications:

- All Helical Reducers and Gearmotors are provided with AGMA Class 10 or greater gearing.
- Base Mounting a Shaft Sizes provide Interchange with many Competitive Products. Contact our Inside Sales Department for assistance with your application requirement.
- All Standard TEFC Gearmotors and Sterli-Seal ® Washdown Duty products are provided with MW-35 Spike Resistant Wire and meet NEMA MG1-4.4.2 Inverter Rating Specifications.
- All Explosion Proof Gearmotors are Not Suitable for Inverter Applications. For Applications that require the use of a Variable Frequency Drive in an Explosion Proof Environment, Refer this Request to the Factory. All Standard Gearmotors are suitable for a Class I Group D and Class II Group F&G application.
- Standard Painted Gearmotor Construction is provided with a Smooth Body Rolled Steel Constructed Motor with Cast Iron End Brackets on Fractional through 10HP. Gearmotors 15HP and larger are All Cast Iron Ribbed Frame Construction.
- All Standard Gearmotors are provided with Class F Insulation and a 1.15 Service Factor.
- All Inverter Duty Gearmotors are provided with Class H Insulation and a 1.0 Service Factor. These Gearmotors are suitable for a (10:1 Constant Torque) operation. Motors are provided with a Normally Closed (Klixon) Thermal Protector.
- All Sterli-Seal ® Washdown Gearmotors or Reducers and provided, as standard, with Two Part USDA Approved White Paint. Optional Two Part Silver Freeze (Stainless Pigment) Paint is available upon request with an additional cost.
- SolidWorks 3D CAD or PDF Drawings are available on our website: www.sterlingelectric.com.

REDUCER PART NUMBER DESIGNATION



GEARMOTOR PART NUMBER DESIGNATION



Standard Duty- CLASS I AGMA Rated

.33 Horsepower			
F/L RPM	Double REDUCTION		Output Torque
	Frame	Model No.	
900	56C-R0402	R0402AY03900	22
817		R0402AY03817	24
705	56C-R0402	R0402AY03705	28
607		R0402AY03607	33
547	56C-R0402	R0402AY03547	37
493		R0402AY03493	41
442	56C-R0402	R0402AY03442	45
394		R0402AY03394	51
349	56C-R0402	R0402AY03349	57
320		R0402AY03320	62
307	56C-R0402	R0402AY03307	65
276		R0402AY03276	72
238	56C-R0402	R0402AY03238	84
215		R0402AY03215	93
193	56C-R0402	R0402AY03193	103
173		R0402AY03173	115
154	56C-R0402	R0402AY03154	130
137		R0402AY03137	146
118	56C-R0402	R0402AY03118	169
103		R0402AY03103	194
98	56C-R0402	R0402AY03098	204
92		R0402AY03092	217
77	56C-R0402	R0402AY03077	259
64		R0402AY03064	312
52	56C-R0402	R0402AY03052	384
46		R0402AY03046	434
40	56C-R0402	R0402AY03040	499
36		R0402AY03036	555
32	56C-R0402	R0402AY03032	624

.50 Horsepower			
F/L RPM	Double REDUCTION		Output Torque
	Frame	Model No.	
900	56C-R0402	R0402AY05900	34
817		R0402AY05817	37
705	56C-R0402	R0402AY05705	43
607		R0402AY05607	50
547	56C-R0402	R0402AY05547	55
493		R0402AY05493	61
442	56C-R0402	R0402AY05442	68
394		R0402AY05394	77
349	56C-R0402	R0402AY05349	87
320		R0402AY05320	95
307	56C-R0402	R0402AY05307	99
276		R0402AY05276	110
238	56C-R0402	R0402AY05238	127
215		R0402AY05215	141
193	56C-R0402	R0402AY05193	157
173		R0402AY05173	175
154	56C-R0402	R0402AY05154	197
137		R0402AY05137	221
118	56C-R0402	R0402AY05118	256
103		R0402AY05103	294
98	56C-R0402	R0402AY05098	309
92		R0402AY05092	329
77	56C-R0402	R0402AY05077	393
64		R0402AY05064	473
52	56C-R0402	R0402AY05052	582
46		R0402AY05046	658
40	56C-R0402	R0402AY05040	757
36		R0402AY05036	841
32	56C-R0402A	R0402AY05032	946

.75 Horsepower			
F/L RPM	Double REDUCTION		Output Torque
	Frame	Model No.	
900	56C-R0402	R0402AY07900	50
817		R0402AY07817	56
705	56C-R0402	R0402AY07705	64
607		R0402AY07607	75
547	56C-R0402	R0402AY07547	83
493		R0402AY07493	92
442	56C-R0402	R0402AY07442	103
394		R0402AY07394	115
349	56C-R0402	R0402AY07349	130
320		R0402AY07320	142
307	56C-R0402	R0402AY07307	148
276		R0402AY07276	164
238	56C-R0402	R0402AY07238	191
215		R0402AY07215	211
193	56C-R0402	R0402AY07193	235
173		R0402AY07173	262
154	56C-R0402	R0402AY07154	295
137		R0402AY07137	331
118	56C-R0402	R0402AY07118	385
103		R0402AY07103	441
98	56C-R0402	R0402AY07098	463
92		R0402AY07092	493
77	56C-R0402	R0402AY07077	590
64		R0402AY07064	709
52	56C-R0402	R0402AY07052	873
46		R0402AY07046	987
40	56C-R0402	R0402AY07040	1135
36		R0402AY07036	1261
32	56C-R0402A	R0402AY07032	1418

Note: All gearmotors listed are 1725 Rpm, 3 Phase, 60Hz, 208-230/460 Volt, Totally Enclosed Enclosure
Output Torque in Inch Pounds

Premium Efficient (Inverter Rated) AGMA Class I Rated

1 Horsepower			
F/L RPM	Double REDUCTION		Output Torque
	Frame	Model No.	
900	143TC-R0402	PR0402A001900	67
817		PR0402A001817	74
705	143TC-R0402	PR0402A001705	86
607		PR0402A001607	100
547	143TC-R0402	PR0402A001547	111
493		PR0402A001493	123
442	143TC-R0402	PR0402A001442	137
394		PR0402A001394	154
349	143TC-R0402	PR0402A001349	173
320		PR0402A001320	189
307	143TC-R0402	PR0402A001307	197
276		PR0402A001276	219
238	143TC-R0402	PR0402A001238	254
215		PR0402A001215	282
193	143TC-R0402	PR0402A001193	314
173		PR0402A001173	350
154	143TC-R0402	PR0402A001154	393
137		PR0402A001137	442
118	143TC-R0402	PR0402A001118	513
103		PR0402A001103	588
98	143TC-R0402	PR0402A001098	618
92		PR0402A001092	658
77	143TC-R0402	PR0402A001077	786
64		PR0402A001064	946
52	143TC-R0402	PR0402A001052	1164
46		PR0402A001046	1316
40	143TC-R0402	PR0402A001040	1513
36		PR0402A001036	1681
32	143TC-R0402	PR0402A001032	1892

AC Frequency Operation Specifications

Sterling Electric offers a complete line of Premium Efficient Motors, when used with Helical Gears produce the optimum efficiency level compared to other gear systems available in the market.

Premium Efficient Motors are Suitable for AC Variable Frequency Operation 3:1 Turndown (8.5-60 Hz) Constant Torque with the following specifications:

1. Maximum total line distance between the controller and motor is not to exceed 50 Feet.
2. Maximum switching (carrier) frequency of the control is not to exceed 8 kHz.

Small motors, as referenced in this section, will require varying degrees of voltage "boost" or "forcing" in order to produce rated torque at low frequency operation. Refer to NEMA MG1-1998, Part 30.

1.5 Horsepower			
F/L RPM	Double REDUCTION		Output Torque
	Frame	Model No.	
900	145TC-R0402	PR0402AY15900	101
817		PR0402AY15817	111
705	145TC-R0402	PR0402AY15705	129
607		PR0402AY15607	150
547	145TC-R0402	PR0402AY15557	166
493		PR0402AY15493	184
442	145TC-R0402	PR0402AY15442	205
394		PR0402AY15394	230
349	145TC-R0402	PR0402AY15349	260
320		PR0402AY15320	284
307	145TC-R0402	PR0402AY15307	296
276		PR0402AY15276	329
238	145TC-R0402	PR0402AY15238	381
215		PR0402AY15215	422
193	145TC-R0402	PR0402AY15193	470
173		PR0402AY15173	525
154	145TC-R0402	PR0402AY15154	590
137		PR0402AY15137	663
118	145TC-R0402	PR0402AY15118	769
103		PR0402AY15103	881
98	145TC-R0402	PR0402AY15098	926
92		PR0402AY15092	987
77	145TC-R0402	PR0402AY15077	1179
64		PR0402AY15064	1419
52	145TC-R0402	PR0402AY15052	1746
46		PR0402AY15046	1974
40	145TC-R0402	PR0402AY15040	2270
37		PR0602AY15037	2454
33	145TC-R0602	PR0602AY15033	2751

2 Horsepower			
F/L RPM	Double REDUCTION		Output Torque
	Frame	Model No.	
900	145TC-R0402	PR0402A002900	135
817		PR0402A002817	148
705	145TC-R0402	PR0402A002705	172
607		PR0402A002607	199
547	145TC-R0402	PR0402A002547	221
493		PR0402A002493	246
442	145TC-R0402	PR0402A002442	274
394		PR0402A002394	307
349	145TC-R0402	PR0402A002349	347
320		PR0402A002320	378
307	145TC-R0402	PR0402A002307	394
276		PR0402A002276	439
238	145TC-R0402	PR0402A002238	509
215		PR0402A002215	563
193	145TC-R0402	PR0402A002193	627
173		PR0402A002173	700
154	145TC-R0402	PR0402A002154	786
137		PR0402A002137	884
118	145TC-R0602	PR0402A002118	1025
103		PR0402A002103	1175
98	145TC-R0402	PR0402A002098	1235
90	145TC-R0602	PR0602A002090	1345
77	145TC-R0402	PR0402A002077	1572
64		PR0402A002064	1891
52	145TC-R0402	PR0402A002052	2328
50	145TC-R0602	PR0602A002050	2421
41		PR0602A002041	2953
37	145TC-R0602	PR0602A002037	3271
33		PR0602A002033	3668

Note: All gearmotors listed are 1725 Rpm, 3 Phase, 60Hz, 208-230/460 Volt, Totally Enclosed Fan Cooled Enclosure
Output Torque in Inch Pounds

A5	2000HG Gearmotor Selection	
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Premium Efficient (Inverter Rated) AGMA Class I Rated

3 Horsepower			
F/L RPM	Double REDUCTION		Output Torque
	Frame	Model No.	
900	182TC-R0402	PR0402A003900	202
817		PR0402A003817	222
705	182TC-R0402	PR0402A003705	258
607		PR0402A003607	299
547	182TC-R0402	PR0402A003547	332
493		PR0402A003493	368
442	182TC-R0402	PR0402A003442	411
394		PR0402A003394	461
349	182TC-R0402	PR0402A003349	520
320		PR0402A003320	567
307	182TC-R0402	PR0402A003307	591
276		PR0402A003276	658
238	182TC-R0402	PR0402A003238	763
215		PR0402A003215	845
193	182TC-R0402	PR0402A003193	941
173		PR0402A003173	1050
154	182TC-R0402	PR0402A003154	1179
137		PR0402A003137	1325
123	182TC-R0602	PR0602A003123	1476
100		PR0602A003100	1816
98	182TC-R0602	PR0602A003098	1853
90		PR0602A003090	2018
81	182TC-R0602	PR0602A003081	2242
65		PR0602A003065	2794
55	182TC-R0602	PR0602A003055	3302
50		PR0602A003050	3632
41	182TC-R0602	PR0602A003041	4429
35	182TC-R0702	PR0702A003035	5188
31		PR0702A003031	5858

5 Horsepower			
F/L RPM	Double REDUCTION		Output Torque
	Frame	Model No.	
900	184TC-R0402	PR0402A005900	336
817		PR0402A005817	370
705	184TC-R0402	PR0402A005705	429
607		PR0402A005607	499
547	184TC-R0402	PR0402A005547	553
493		PR0402A005493	614
442	184TC-R0402	PR0402A005442	685
394		PR0402A005394	768
349	184TC-R0402	PR0402A005349	867
320		PR0402A005320	946
307	184TC-R0402	PR0402A005307	986
276		PR0402A005276	1097
238	184TC-R0402	PR0402A005238	1272
215		PR0402A005215	1408
193	184TC-R0402	PR0402A005193	1568
173		PR0402A005173	1749
156	184TC-R0602	PR0602A005152	1940
142		PR0602A005142	2131
123	184TC-R0602	PR0702A005123	2460
106		PR0702A005106	2855
100	184TC-R0702	PR0702A005100	3026
89		PR0702A005089	3400
78	184TC-R0702	PR0702A005078	3880
63		PR0702A005063	4804
53	184TC-R0702	PR0702A005053	5710
49		PR0702A005049	6176
39	184TC-G0802	PG0802A005039	7760
36		PG0802A005036	8407
31	184TC-G0802	PG0802A005031	9763

7.5 Horsepower			
F/L RPM	Double REDUCTION		Output Torque
	Frame	Model No.	
860	213TC-R0602	PR0602AY75860	528
768		PR0602AY75768	591
684	213TC-R0602	PR0602AY75684	664
608		PR0602AY75608	747
539	213TC-R0602	PR0602AY75539	799
475		PR0602AY75475	956
436	213TC-R0602	PR0602AY75436	1041
381		PR0602AY75381	1191
346	213TC-R0602	PR0602AY75346	1312
315		PR0602AY75315	1441
298	213TC-R0602	PR0602AY75298	1523
280		PR0602AY75280	1621
249	213TC-R0602	PR0602AY75249	1823
221		PR0602AY75221	2054
195	213TC-R0602	PR0602AY75195	2328
178		PR0602AY75178	2536
156	213TC-R0702	PR0602AY75156	2910
142		PR0602AY75142	3197
125	213TC-R0702	PR0702AY75125	3632
106		PR0702AY75106	4283
100	213TC-R0702	PR0702AY75100	4540
89		PR0702AY75089	5101
78	213TC-R0702	PR0702AY75078	5820
62	213TC-G0802	PG0802AY75062	7322
53		PG0802AY75053	8565
48	213TC-G0802	PG0802AY75048	9458
39		PG0802AY75039	11640
36	213TC-G0802	PG0802AY75036	12610
29	213TC-H0902	PH0902AY75029	15654

10 Horsepower			
F/L RPM	Double REDUCTION		Output Torque
	Frame	Model No.	
860	215TC-R0602	PR0602A010860	704
768		PR0602A010768	788
684	215TC-R0602	PR0602A010684	885
608		PR0602A010608	996
539	215TC-R0602	PR0602A010539	1066
475		PR0602A010475	1274
436	215TC-R0602	PR0602A010436	1388
381		PR0602A010381	1589
346	215TC-R0602	PR0602A010346	1749
315		PR0602A010315	1922
298	215TC-R0602	PR0602A010298	2031
280		PR0602A010280	2162
249	215TC-R0602	PR0602A010249	2431
221		PR0602A010221	2739
195	215TC-R0602	PR0602A010195	3104
178		PR0602A010178	3400
157	215TC-R0702	PR0702A010157	3855
137		PR0702A010137	4418
125	215TC-R0702	PR0702A010125	5044
106		PR0702A010106	5948
100	215TC-R0702	PR0702A010100	6053
84	215TC-G0802	PG0802A010084	7206
75		PG0802A010075	8070
62	215TC-G0802	PH0902A010062	9763
53		PH0902A010053	11420
48	215TC-G0802	PH0902A010048	12610
39	215TC-H0902	PH0902A010039	15520
36		PH0902A010036	16813
32	215TC-H0902	PH0902A010032	18915

Note: All gearmotors listed are 1725 Rpm, 3 Phase, 60Hz, 208-230/460 Volt, Totally Enclosed Fan Cooled Enclosure
Output Torque in Inch Pounds

	2000HG Gearmotor Selection	A6
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Premium Efficient (Inverter Rated) AGMA Class I Rated

15 Horsepower			
F/L RPM	Single/Double REDUCTION		Output Torque
	Frame	Model No.	
902	254TC-R0702	PR0702A015902	1007
719	254TC-R0702	PR0702A015719	1263
640		PR0702A015640	1419
568	254TC-R0702	PR0702A015568	1598
502		PPR0702A01502	1809
351	254TC-R0702	PR0702A015351	2587
314		PR0702A015314	2855
280	254TC-R0702	PR0702A015280	3243
249		PR0702A015249	3646
221	254TC-R0702	PR0702A015221	4108
195		PR0702A015195	4656
153	254TC-G0802	PG0802A015153	5934
135		PG0802A015135	6725
116	254TC-G0802	PG0802A015116	7827
105		PG0802A015105	8647
96	254TC-G0802	PG0802A015096	9458
85		PG0802A015085	10681
75	254TC-G0802	PG0802A015075	12106
61	254TC-H0902	PH0902A015061	14884
54		PH0902A015054	16813
49	254TC-H0902	PH0902A015049	18529
41	254TC-H1002	PH1002A015041	22144
37		PH1002A015037	24538
34	254TC-H1002	PH1002A015034	26704

20 Horsepower			
F/L RPM	Single/Double REDUCTION		Output Torque
	Frame	Model No.	
902	256TC-R0702	PR0702A020902	1342
719		PR0702A020719	1684
640	256TC-R0702	PR0702A020640	1892
568		PR0702A020568	2131
502	256TC-R0702	PR0702A020502	2411
351		PR0702A020351	3449
314	256TC-R0702	PR0702A020314	3855
280		PR0702A020280	4323
210	256TC-G0802	PG0802A020210	5765
187		PG0802A020187	6474
153	256TC-G0802	PG0802A020153	7912
135		PG0802A020135	8967
116	256TC-G0802	PG0802A020116	10436
105		PG0802A020105	11529
94	256TC-H0902	PH0902A020094	12878
84		PH0902A020084	14411
76	256TC-H0902	PH0902A020076	15928
67		PH0902A020067	18068
60	256TC-H0902	PH0902A020060	20176
56	256TC-H1002	PH1002A020056	21617
49		PH1002A020049	24705
47	256TC-H1002	PH1002A020047	25757
40		PH1002A020040	30264
36	256TC-H1002	PH1002A020036	33627

25 Horsepower			
F/L RPM	DOUBLE REDUCTION		Output Torque
	Frame	Model No.	
859	284TC-H0902	PH0902A025859	1762
766		PH0902A025766	1975
683	284TC-H0902	PH0902A025683	2216
589		PH0902A025589	2569
530	284TC-H0902	PH0902A025530	2855
475	284TC-G0802	PG0802A025475	3186
335		PG0802A025335	4517
302	284TC-G0802	PG0802A025302	5011
271		PG0802A025271	5584
210	284TC-G0802	PG0802A025210	7206
187		PG0802A025187	8092
152	284TC-G0802	PG0802A025152	9955
137	284TC-H0902	PH0902A025137	11045
120		PH0902A025120	12610
105	284TC-H0902	PH0902A025105	14411
94		PH0902A025094	16098
84	284TC-H0902	PH0902A025084	18014
76		PH0902A025076	19911
67	284TC-H1002	PH1002A025067	22585
58		PH1002A025058	26090
56	284TC-H1002	PH1002A025056	27021
49		PH1002A025049	30882
47	284TC-H1002	PH1002A025047	32196
40	284TC-H1302	PH1302A025040	37830
35		PH1302A025035	43234
33	284TC-H1302	PH1302A025033	45855
29		PH1302A025029	52179
27	284TC-H1302	PH1302A025027	56044

30 Horsepower			
F/L RPM	DOUBLE REDUCTION		Output Torque
	Frame	Model No.	
859	286TC-H0902	PH0902A030859	2114
766		PH0902A030766	2371
683	286TC-H0902	PH0902A030683	2659
589		PH0902A030589	3083
530	286TC-H0902	PH0902A030530	3426
474		PH0902A030474	3831
428	286TC-H0902	PH0902A030428	4243
381		PH0902A030381	4766
344	286TC-H0902	PH0902A030344	5279
307		PH0902A030307	5915
264	286TC-H0902	PH0902A030264	6878
236		PH0902A030236	7694
212	286TC-H0902	PH0902A030212	8565
190		PH0902A030190	9557
170	286TC-H0902	PH0902A030170	10681
149		PH0902A030149	12187
137	286TC-H0902	PH0902A030137	13254
120		PH0902A030120	15132
105	286TC-H0902	PH0902A030105	17294
95	286TC-H1002	PH1002A030095	19114
90		PH1002A030090	20176
81	286TC-H1002	PH1002A030081	22418
67		PH1002A030067	27102
58	286TC-H1002	PH1002A030058	31308
56		PH1002A030056	42426
49	286TC-H1002	PH1002A030049	37058
44	286TC-H1302	PH1302A030044	41269
40		PH1302A030040	45396

Note: All gearmotors listed are 1725 Rpm, 3 Phase, 60Hz, 208-230/460 Volt, Totally Enclosed Fan Cooled Enclosure
Output Torque in Inch Pounds.

A7	2000HG Gearmotor Selection	
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Premium Efficient (Inverter Rated) AGMA Class I Rated

40 Horsepower			
F/L RPM	DOUBLE REDUCTION		Output Torque
	Frame	Model No.	
859	324TC-H0902	PH0902A040859	2819
766		PH0902A040766	3161
683	324TC-H0902	PH0902A040683	3545
589		PH0902A040589	4111
530	324TC-H0902	PH0902A040530	4568
474		PH0902A040474	5108
428	324TC-H0902	PH0902A040428	5657
381		PH0902A040381	6355
344	324TC-H0902	PH0902A040344	7038
307		PH0902A040307	7886
264	324TC-H0902	PH0902A040264	9171
236		PH0902A040236	10259
212	324TC-H0902	PH0902A040212	11420
190		PH0902A040190	12742
170	324TC-H0902	PH0902A040170	14242
149		PH0902A040149	16249
137	324TC-H0902	PH0902A040137	17672
120		PH0902A040120	20176
106	324TC-H1002	PH1002A040106	22841
95		PH1002A040095	25485
90	324TC-H1002	PH1002A040090	26901
81		PH1002A040081	29890
68	324TC-H1302	PH1302A040068	35605
61		PH1302A040061	39690
54	324TC-H1302	PH1302A040054	44836
49		PH1302A040049	49411
44	324TC-H1302	PH1302A040044	55025

50 Horsepower			
F/L RPM	DOUBLE REDUCTION		Output Torque
	Frame	Model No.	
859	326TC-H0902	PH0902A050859	3523
766		PH0902A050766	3951
683	326TC-H0902	PH0902A050683	4431
589		PH0902A050589	5138
530	326TC-H0902	PH0902A050530	5710
474		PH0902A050474	6385
428	326TC-H0902	PH0902A050428	7071
381		PH0902A050381	7943
344	326TC-H0902	PH0902A050344	8798
307		PH0902A050307	9858
264	326TC-H0902	PH0902A050264	11464
236		PH0902A050236	12824
212	326TC-H0902	PH0902A050212	14275
190		PH0902A050190	15928
165	326TC-H1002	PH1002A050165	18342
146		PH1002A050148	20729
139	326TC-H1002	PH1002A050139	21773
123		PH1002A050123	24605
106	326TC-H1002	PH1002A050106	28551
95		PH1002A050095	31857
90	326TC-H1002	PH1002A050090	33627
81		PH1002A050081	37363
61	326TC-H1302	PH1302A050061	49613
54		PH1302A050054	56044

Note: All gearmotors listed are 1725 Rpm, 3 Phase, 60Hz, 208-230/460 Volt, Totally Enclosed Fan Cooled Enclosure
Output Torque in Inch Pounds.

2000HG Gearmotor Selection

A8

Sterli-Seal® Washdown Duty - Standard Duty- CLASS I AGMA Rated

.33 Horsepower			
F/L RPM	Double REDUCTION		Output Torque
	Frame	Model No.	
900	56C-R0402	SR0402AY03900	22
817		SR0402AY03817	24
705	56C-R0402	SR0402AY03705	28
607		SR0402AY03607	33
547	56C-R0402	SR0402AY03547	37
493		SR0402AY03493	41
442	56C-R0402	SR0402AY03442	45
394		SR0402AY03394	51
349	56C-R0402	SR0402AY03349	57
320		SR0402AY03320	62
307	56C-R0402	SR0402AY03307	65
276		SR0402AY03276	72
238	56C-R0402	SR0402AY03238	84
215		SR0402AY03215	93
193	56C-R0402	SR0402AY03193	103
173		SR0402AY03173	115
154	56C-R0402	SR0402AY03154	130
137		SR0402AY03137	146
118	56C-R0402	SR0402AY03118	169
103		SR0402AY03103	194
98	56C-R0402	SR0402AY03098	204
92		SR0402AY03092	217
77	56C-R0402	SR0402AY03077	259
64		SR0402AY03064	312
52	56C-R0402	SR0402AY03052	384
46		SR0402AY03046	434
40	56C-R0402	SR0402AY03040	499
36		SR0402AY03036	555
32	56C-R0402	SR0402AY03032	624

.50 Horsepower			
F/L RPM	Double REDUCTION		Output Torque
	Frame	Model No.	
900	56C-R0402	SR0402AY05900	34
817		SR0402AY05817	37
705	56C-R0402	SR0402AY05705	43
607		SR0402AY05607	50
547	56C-R0402	SR0402AY05547	55
493		SR0402AY05493	61
442	56C-R0402	SR0402AY05442	68
394		SR0402AY05394	77
349	56C-R0402	SR0402AY05349	87
320		SR0402AY05320	95
307	56C-R0402	SR0402AY05307	99
276		SR0402AY05276	110
238	56C-R0402	SR0402AY05238	127
215		SR0402AY05215	141
193	56C-R0402	SR0402AY05193	157
173		SR0402AY05173	175
154	56C-R0402	SR0402AY05154	197
137		SR0402AY05137	221
118	56C-R0402	SR0402AY05118	256
103		SR0402AY05103	294
98	56C-R0402	SR0402AY05098	309
92		SR0402AY05092	329
77	56C-R0402	SR0402AY05077	393
64		SR0402AY05064	473
52	56C-R0402	SR0402AY05052	582
46		SR0402AY05046	658
40	56C-R0402	SR0402AY05040	757
36		SR0402AY05036	841
32	56C-R0402A	SR0402AY05032	946

.75 Horsepower			
F/L RPM	Double REDUCTION		Output Torque
	Frame	Model No.	
900	56C-R0402	SR0402AY07900	50
817		SR0402AY07817	56
705	56C-R0402	SR0402AY07705	64
607		SR0402AY07607	75
547	56C-R0402	SR0402AY07547	83
493		SR0402AY07493	92
442	56C-R0402	SR0402AY07442	103
394		SR0402AY07394	115
349	56C-R0402	SR0402AY07349	130
320		SR0402AY07320	142
307	56C-R0402	SR0402AY07307	148
276		SR0402AY07276	164
238	56C-R0402	SR0402AY07238	191
215		SR0402AY07215	211
193	56C-R0402	SR0402AY07193	235
173		SR0402AY07173	262
154	56C-R0402	SR0402AY07154	295
137		SR0402AY07137	331
118	56C-R0402	SR0402AY07118	385
103		SR0402AY07103	441
98	56C-R0402	SR0402AY07098	463
92		SR0402AY07092	493
77	56C-R0402	SR0402AY07077	590
64		SR0402AY07064	709
52	56C-R0402	SR0402AY07052	873
46		SR0402AY07046	987
40	56C-R0402	SR0402AY07040	1135
36		SR0402AY07036	1261
32	56C-R0402A	SR0402AY07032	1418

Note: All gearmotors listed are 1725 Rpm, 3 Phase, 60Hz, 208-230/460 Volt, Totally Enclosed Enclosure
Output Torque in Inch Pounds

**Sterli-Seal® Washdown Duty - CLASS I AGMA Rated
Premium Efficient**

1 Horsepower			
F/L RPM	Double REDUCTION		Output Torque
	Frame	Model No.	
900	143TC-R0402	SPR0402A001900	67
817		SPR0402A001817	74
705	143TC-R0402	SPR0402A001705	86
607		SPR0402A001607	100
547	143TC-R0402	SPR0402A001547	111
493		SPR0402A001493	123
442	143TC-R0402	SPR0402A001442	137
394		SPR0402A001394	154
349	143TC-R0402	SPR0402A001349	173
320		SPR0402A001320	189
307	143TC-R0402	SPR0402A001307	197
276		SPR0402A001276	219
238	143TC-R0402	SPR0402A001238	254
215		SPR0402A001215	282
193	143TC-R0402	SPR0402A001193	314
173		SPR0402A001173	350
154	143TC-R0402	SPR0402A001154	393
137		SPR0402A001137	442
118	143TC-R0402	SPR0402A001118	513
103		SPR0402A001103	588
98	143TC-R0402	SPR0402A001098	618
92		SPR0402A001092	658
77	143TC-R0402	SPR0402A001077	786
64		SPR0402A001064	946
52	143TC-R0402	SPR0402A001052	1164
46		SPR0402A001046	1316
40	143TC-R0402	SPR0402A001040	1513
36		SPR0402A001036	1681
32	143TC-R0402	SPR0402A001032	1892

AC Frequency Operation Specifications

Sterling Electric offers a complete line of Premium Efficient Motors, when used with Helical Gears produce the optimum efficiency level compared to other gear systems available in the market.

Premium Efficient Motors are Suitable for AC Variable Frequency Operation 3:1 Turndown (8.5-60 Hz) Constant Torque with the following specifications:

- Maximum total line distance between the controller and motor is not to exceed 50 Feet.
- Maximum switching (carrier) frequency of the control is not to exceed 8 kHz.

Small motors, as referenced in this section, will require varying degrees of voltage "boost" or "forcing" in order to produce rated torque at low frequency operation. Refer to NEMA MG1-1998, Part 30.

1.5 Horsepower			
F/L RPM	Double REDUCTION		Output Torque
	Frame	Model No.	
900	145TC-R0402	SPR0402AY15900	101
817		SPR0402AY15817	111
705	145TC-R0402	SPR0402AY15705	129
607		SPR0402AY15607	150
547	145TC-R0402	SPR0402AY15557	166
493		SPR0402AY15493	184
442	145TC-R0402	SPR0402AY15442	205
394		SPR0402AY15394	230
349	145TC-R0402	SPR0402AY15349	260
320		SPR0402AY15320	284
307	145TC-R0402	SPR0402AY15307	296
276		SPR0402AY15276	329
238	145TC-R0402	SPR0402AY15238	381
215		SPR0402AY15215	422
193	145TC-R0402	SPR0402AY15193	470
173		SPR0402AY15173	525
154	145TC-R0402	SPR0402AY15154	590
137		SPR0402AY15137	663
118	145TC-R0402	SPR0402AY15118	769
103		SPR0402AY15103	881
98	145TC-R0402	SPR0402AY15098	926
92		SPR0402AY15092	987
77	145TC-R0402	SPR0402AY15077	1179
64		SPR0402AY15064	1419
52	145TC-R0402	SPR0402AY15052	1746
46		SPR0402AY15046	1974
40	145TC-R0402	SPR0402AY15040	2270
37		SPR0602AY15037	2454
33	145TC-R0602	SPR0602AY15033	2751

2 Horsepower			
F/L RPM	Double REDUCTION		Output Torque
	Frame	Model No.	
900	145TC-R0402	SPR0402A002900	135
817		SPR0402A002817	148
705	145TC-R0402	SPR0402A002705	172
607		SPR0402A002607	199
547	145TC-R0402	SPR0402A002547	221
493		SPR0402A002493	246
442	145TC-R0402	SPR0402A002442	274
394		SPR0402A002394	307
349	145TC-R0402	SPR0402A002349	347
320		SPR0402A002320	378
307	145TC-R0402	SPR0402A002307	394
276		SPR0402A002276	439
238	145TC-R0402	SPR0402A002238	509
215		SPR0402A002215	563
193	145TC-R0402	SPR0402A002193	627
173		SPR0402A002173	700
154	145TC-R0402	SPR0402A002154	786
137		SPR0402A002137	884
118	145TC-R0602	SPR0402A002118	1025
103		SPR0402A002103	1175
98	145TC-R0402	SPR0402A002098	1235
90	145TC-R0602	SPR0602A002090	1345
77	145TC-R0402	SPR0402A002077	1572
64		SPR0402A002064	1891
52	145TC-R0402	SPR0402A002052	2328
50	145TC-R0602	SPR0602A002050	2421
41		SPR0602A002041	2953
37	145TC-R0602	SPR0602A002037	3271
33		SPR0602A002033	3668

Note: All gearmotors listed are 1725 Rpm, 3 Phase, 60Hz, 208-230/460 Volt, Totally Enclosed Fan Cooled Enclosure
Output Torque in Inch Pounds

**Sterli-Seal® Washdown Duty - CLASS I AGMA Rated
Premium Efficient**

3 Horsepower			
F/L RPM	Double REDUCTION		Output Torque
	Frame	Model No.	
900	182TC-R0402	SPR0402A003900	202
817		SPR0402A003817	222
705	182TC-R0402	SPR0402A003705	258
607		SPR0402A003607	299
547	182TC-R0402	SPR0402A003547	332
493		SPR0402A003493	368
442	182TC-R0402	SPR0402A003442	411
394		SPR0402A003394	461
349	182TC-R0402	SPR0402A003349	520
320		SPR0402A003320	567
307	182TC-R0402	SPR0402A003307	591
276		SPR0402A003276	658
238	182TC-R0402	SPR0402A003238	763
215		SPR0402A003215	845
193	182TC-R0402	SPR0402A003193	941
173		SPR0402A003173	1050
154	182TC-R0402	SPR0402A003154	1179
137		SPR0402A003137	1325
123	182TC-R0602	SPR0602A003123	1476
100		SPR0602A003100	1816
98	182TC-R0602	SPR0602A003098	1853
90		SPR0602A003090	2018
81	182TC-R0602	SPR0602A003081	2242
65		SPR0602A003065	2794
55	182TC-R0602	SPR0602A003055	3302
50		SPR0602A003050	3632
41	182TC-R0602	SPR0602A003041	4429
35	182TC-R0702	SPR0702A003035	5188
31		SPR0702A003031	5858

5 Horsepower			
F/L RPM	Double REDUCTION		Output Torque
	Frame	Model No.	
900	184TC-R0402	SPR0402A005900	336
817		SPR0402A005817	370
705	184TC-R0402	SPR0402A005705	429
607		SPR0402A005607	499
547	184TC-R0402	SPR0402A005547	553
493		SPR0402A005493	614
442	184TC-R0402	SPR0402A005442	685
394		SPR0402A005394	768
349	184TC-R0402	SPR0402A005349	867
320		SPR0402A005320	946
307	184TC-R0402	SPR0402A005307	986
276		SPR0402A005276	1097
238	184TC-R0402	SPR0402A005238	1272
215		SPR0402A005215	1408
193	184TC-R0402	SPR0402A005193	1568
173		SPR0402A005173	1749
156	184TC-R0602	SPR0602A005156	1940
142		SPR0602A005142	2131
123	184TC-R0602	SPR0702A005123	2460
106		SPR0702A005106	2855
100	184TC-R0702	SPR0702A005100	3026
89		SPR0702A005089	3400
78	184TC-R0702	SPR0702A005078	3880
63		SPR0702A005063	4804
53	184TC-R0702	SPR0702A005053	5710
49		SPR0702A005049	6176
39	184TC-G0802	SPG0802A005039	7760
36		SPG0802A005036	8407
31	184TC-G0802	SPG0802A005031	9763

7.5 Horsepower			
F/L RPM	Double REDUCTION		Output Torque
	Frame	Model No.	
860	213TC-R0602	SPR0602AY75860	528
768		SPR0602AY75768	591
684	213TC-R0602	SPR0602AY75684	664
608		SPR0602AY75608	747
539	213TC-R0602	SPR0602AY75539	799
475		SPR0602AY75475	956
436	213TC-R0602	SPR0602AY75436	1041
381		SPR0602AY75381	1191
346	213TC-R0602	SPR0602AY75346	1312
315		SPR0602AY75315	1441
298	213TC-R0602	SPR0602AY75298	1523
280		SPR0602AY75280	1621
249	213TC-R0602	SPR0602AY75249	1823
221		SPR0602AY75221	2054
195	213TC-R0602	SPR0602AY75195	2328
178		SPR0602AY75178	2550
156	213TC-R0702	SPR0602AY75156	2910
142		SPR0602AY75142	3197
125	213TC-R0702	SPR0702AY75125	3632
106		SPR0702AY75106	4283
100	213TC-R0702	SPR0702AY75100	4540
89		SPR0702AY75089	5101
78	213TC-R0702	SPR0702AY75078	5820
62	213TC-G0802	SPG0802AY75062	7322
53		SPG0802AY75053	8565
48	213TC-G0802	SPG0802AY75048	9458
39		SPG0802AY75039	11640
36	213TC-G0802	SPG0802AY75036	12610
29	213TC-H0902	SPH0902AY75029	15654

10 Horsepower			
F/L RPM	Double REDUCTION		Output Torque
	Frame	Model No.	
860	215TC-R0602	SPR0602A010860	704
768		SPR0602A010768	788
684	215TC-R0602	SPR0602A010684	885
608		SPR0602A010608	996
539	215TC-R0602	SPR0602A010539	1066
475		SPR0602A010475	1274
436	215TC-R0602	SPR0602A010436	1388
381		SPR0602A010381	1589
346	215TC-R0602	SPR0602A010346	1749
315		SPR0602A010315	1922
298	215TC-R0602	SPR0602A010298	2031
280		SPR0602A010280	2162
249	215TC-R0602	SPR0602A010249	2431
221		SPR0602A010221	2739
195	215TC-R0602	SPR0602A010195	3104
178		SPR0602A010178	3363
157	215TC-R0702	SPR0702A010157	3855
137		SPR0702A010137	4418
125	215TC-R0702	SPR0702A010125	5044
106		SPR0702A010106	5948
100	215TC-R0702	SPR0702A010100	6053
84	215TC-G0802	SPG0802A010084	7206
75		SPG0802A010075	8070
62	215TC-G0802	SPH0902A010062	9763
53		SPH0902A010053	11420
48	215TC-G0802	SPH0902A010048	12610
39	215TC-H0902	SPH0902A010039	15520
36		SPH0902A010036	16813
32	215TC-H0902	SPH0902A010032	18915

Note: All gearmotors listed are 1725 Rpm, 3 Phase, 60Hz, 208-230/460 Volt, Totally Enclosed Fan Cooled Enclosure
Output Torque in Inch Pounds

**Sterli-Seal® Washdown Duty - CLASS I AGMA Rated
Premium Efficient**

15 Horsepower			
F/L RPM	Single/Double REDUCTION		Output Torque
	Frame	Model No.	
902	254TC-R0702	SPR0702A015902	1007
719	254TC-R0702	SPR0702A015719	1263
640		SPR0702A015640	1419
568	254TC-R0702	SPR0702A015568	1598
502		SPPR0702A01502	1809
351	254TC-R0702	SPR0702A015351	2587
314		SPR0702A015314	2855
280	254TC-R0702	SPR0702A015280	3243
249		SPR0702A015249	3646
221	254TC-R0702	SPR0702A015221	4108
195		SPR0702A015195	4656
153	254TC-G0802	SPG0802A015153	5934
135		SPG0802A015135	6725
116	254TC-G0802	SPG0802A015116	7827
105		SPG0802A015105	8647
96	254TC-G0802	SPG0802A015096	9458
85		SPG0802A015085	10681
75	254TC-G0802	SPG0802A015075	12106
61	254TC-H0902	SPH0902A015061	14884
54		SPH0902A015054	16813
49	254TC-H0902	SPH0902A015049	18529
41	254TC-H1002	SPH1002A015041	22144
37		SPH1002A015037	24538
34	254TC-H1002	SPH1002A015034	26704

20 Horsepower			
F/L RPM	Single/Double REDUCTION		Output Torque
	Frame	Model No.	
902	256TC-R0702	SPR0702A020902	1342
719		SPR0702A020719	1684
640	256TC-R0702	SPR0702A020640	1892
568		SPR0702A020568	2131
502	256TC-R0702	SPR0702A020502	2411
351		SPR0702A020351	3449
314	256TC-R0702	SPR0702A020314	3855
280		SPR0702A020280	4323
210	256TC-G0802	SPG0802A020210	5765
187		SPG0802A020187	6474
153	256TC-G0802	SPG0802A020153	7912
135		SPG0802A020135	8967
116	256TC-G0802	SPG0802A020116	10436
105		SPG0802A020105	11529
94	256TC-H0902	SPH0902A020094	12878
84		SPH0902A020084	14411
76	256TC-H0902	SPH0902A020076	15928
67		SPH0902A020067	18068
60	256TC-H0902	SPH0902A020060	20176
56	256TC-H1002	SPH1002A020056	21617
49		SPH1002A020049	24705
47	256TC-H1002	SPH1002A020047	25757
40		SPH1002A020040	30264
36	256TC-H1002	SPH1002A020036	33627

25 Horsepower			
F/L RPM	DOUBLE REDUCTION		Output Torque
	Frame	Model No.	
859	284TC-H0902	SPH0902A025859	1762
766		SPH0902A025766	1975
683	284TC-H0902	SPH0902A025683	2216
589		SPH0902A025589	2569
530	284TC-H0902	SPH0902A025530	2855
475	284TC-G0802	SPG0802A025475	3186
335		SPG0802A025335	4517
302	284TC-G0802	SPG0802A025302	5011
271		SPG0802A025271	5584
210	284TC-G0802	SPG0802A025210	7206
187		SPG0802A025187	8092
152	284TC-G0802	SPG0802A025152	9955
137	284TC-H0902	SPH0902A025137	11045
120		SPH0902A025120	12610
105	284TC-H0902	SPH0902A025105	14411
94		SPH0902A025094	16098
84	284TC-H0902	SPH0902A025084	18014
76		SPH0902A025076	19911
67	284TC-H1002	SPH1002A025067	22585
58		SPH1002A025058	26090
56	284TC-H1002	SPH1002A025056	27021
49		SPH1002A025049	30882
47	284TC-H1002	SPH1002A025047	32196

30 Horsepower			
F/L RPM	DOUBLE REDUCTION		Output Torque
	Frame	Model No.	
859	286TC-H0902	SPH0902A030859	2114
766		SPH0902A030766	2371
683	286TC-H0902	SPH0902A030683	2659
589		SPH0902A030589	3083
530	286TC-H0902	SPH0902A030530	3426
474		SPH0902A030474	3831
428	286TC-H0902	SPH0902A030428	4243
381		SPH0902A030381	4766
344	286TC-H0902	SPH0902A030344	5279
307		SPH0902A030307	5915
264	286TC-H0902	SPH0902A030264	6878
236		SPH0902A030236	7694
212	286TC-H0902	SPH0902A030212	8565
190		SPH0902A030190	9557
170	286TC-H0902	SPH0902A030170	10681
149		SPH0902A030149	12187
137	286TC-H0902	SPH0902A030137	13254
120		SPH0902A030120	15132
105	286TC-H0902	SPH0902A030105	17294
95	286TC-H1002	SPH1002A030095	19114
90		SPH1002A030090	20176
81	286TC-H1002	SPH1002A030081	22418
67		SPH1002A030067	27102
58	286TC-H1002	SPH1002A030058	31308
56		SPH1002A030056	42426
49	286TC-H1002	SPH1002A030049	37058

Note: All gearmotors listed are 1725 Rpm, 3 Phase, 60Hz, 208-230/460 Volt, Totally Enclosed Fan Cooled Enclosure
Output Torque in Inch Pounds.

2000HG Gearmotor Selection

A12

Sterli-Seal® Washdown Duty - CLASS I AGMA Rated Premium Efficient

40 Horsepower			
F/L RPM	DOUBLE REDUCTION		Output Torque
	Frame	Model No.	
859	324TC-H0902	SPH0902A040859	2819
766		SPH0902A040766	3161
683	324TC-H0902	SPH0902A040683	3545
589		SPH0902A040589	4111
530	324TC-H0902	SPH0902A040530	4568
474		SPH0902A040474	5108
428	324TC-H0902	SPH0902A040428	5657
381		SPH0902A040381	6355
344	324TC-H0902	SPH0902A040344	7038
307		SPH0902A040307	7886
264	324TC-H0902	SPH0902A040264	9171
236		SPH0902A040236	10259
212	324TC-H0902	SPH0902A040212	11420
190		SPH0902A040190	12742
170	324TC-H0902	SPH0902A040170	14242
149		SPH0902A040149	16249
137	324TC-H0902	SPH0902A040137	17672
120		SPH0902A040120	20176
106	324TC-H1002	SPH1002A040106	22841
95		SPH1002A040095	25485
90	324TC-H1002	SPH1002A040090	26901
81		SPH1002A040081	29890
68	324TC-H1302	SPH1302A040068	35605
61		SPH1302A040061	39690
54	324TC-H1302	SPH1302A040054	44836
49		SPH1302A040049	49411
44	324TC-H1302	SPH1302A040044	55025

50 Horsepower			
F/L RPM	DOUBLE REDUCTION		Output Torque
	Frame	Model No.	
859	326TC-H0902	SPH0902A050859	3523
766		SPH0902A050766	3951
683	326TC-H0902	SPH0902A050683	4431
589		SPH0902A050589	5138
530	326TC-H0902	SPH0902A050530	5710
474		SPH0902A050474	6385
428	326TC-H0902	SPH0902A050428	7071
381		SPH0902A050381	7943
344	326TC-H0902	SPH0902A050344	8798
307		SPH0902A050307	9858
264	326TC-H0902	SPH0902A050264	11464
236		SPH0902A050236	12824
212	326TC-H0902	SPH0902A050212	14275
190		SPH0902A050190	15928
165	326TC-H1002	SPH1002A050165	18342
146		SPH1002A050148	20729
139	326TC-H1002	SPH1002A050139	21773
123		SPH1002A050123	24605
106	326TC-H1002	SPH1002A050106	28551
95		SPH1002A050095	31857
90	326TC-H1002	SPH1002A050090	33627
81		SPH1002A050081	37363
61	326TC-H1302	SPH1302A050061	49613
54		SPH1302A050054	56044

Note: All gearmotors listed are 1725 Rpm, 3 Phase, 60Hz, 208-230/460 Volt, Totally Enclosed Fan Cooled Enclosure
Output Torque in Inch Pounds.

Sterli-Seal® All Stainless Steel Washdown Duty
Class I AGMA Rated

.33 Horsepower – TENV Enclosure				.50 Horsepower – TENV Enclosure			
F/L RPM	Double REDUCTION		Output Torque	F/L RPM	Double REDUCTION		Output Torque
	Frame	Model No.			Frame	Model No.	
900	56C-R0402	SSR0402AY03900	22	900	56C-R0402	SSR0402AY05900	34
817		SSR0402AY03817	24	817		SSR0402AY05817	37
705	56C-R0402	SSR0402AY03705	28	705	56C-R0402	SSR0402AY05705	43
607		SSR0402AY03607	33	607		SSR0402AY05607	50
547	56C-R0402	SSR0402AY03547	37	547	56C-R0402	SSR0402AY05547	55
493		SSR0402AY03493	41	493		SSR0402AY05493	61
442	56C-R0402	SSR0402AY03442	45	442	56C-R0402	SSR0402AY05442	68
394		SSR0402AY03394	51	394		SSR0402AY05394	77
349	56C-R0402	SSR0402AY03349	57	349	56C-R0402	SSR0402AY05349	87
320		SSR0402AY03320	62	320		SSR0402AY05320	95
307	56C-R0402	SSR0402AY03307	65	307	56C-R0402	SSR0402AY05307	99
276		SSR0402AY03276	72	276		SSR0402AY05276	110
238	56C-R0402	SSR0402AY03238	84	238	56C-R0402	SSR0402AY05238	127
215		SSR0402AY03215	93	215		SSR0402AY05215	141
193	56C-R0402	SSR0402AY03193	103	193	56C-R0402	SSR0402AY05193	157
173		SSR0402AY03173	115	173		SSR0402AY05173	175
154	56C-R0402	SSR0402AY03154	130	154	56C-R0402	SSR0402AY05154	197
137		SSR0402AY03137	146	137		SSR0402AY05137	221
118	56C-R0402	SSR0402AY03118	169	118	56C-R0402	SSR0402AY05118	256
103		SSR0402AY03103	194	103		SSR0402AY05103	294
98	56C-R0402	SSR0402AY03098	204	98	56C-R0402	SSR0402AY05098	309
92		SSR0402AY03092	217	92		SSR0402AY05092	329
77	56C-R0402	SSR0402AY03077	259	77	56C-R0402	SSR0402AY05077	393
64		SSR0402AY03064	312	64		SSR0402AY05064	473
52	56C-R0402	SSR0402AY03052	384	52	56C-R0402	SSR0402AY05052	582
46		SSR0402AY03046	434	46		SSR0402AY05046	658
40	56C-R0402	SSR0402AY03040	499	40	56C-R0402	SSR0402AY05040	757
36		SSR0402AY03036	555	36		SSR0402AY05036	841
32	56C-R0402	SSR0402AY03032	624	32	56C-R0402	SSR0402AY05032	946

.75 Horsepower			
F/L RPM	Double REDUCTION		Output Torque
	Frame	Model No.	
900	56C-R0402	SSR0402AY07900	50
817		SSR0402AY07817	56
705	56C-R0402	SSR0402AY07705	64
607		SSR0402AY07607	75
547	56C-R0402	SSR0402AY07547	83
493		SSR0402AY07493	92
442	56C-R0402	SSR0402AY07442	103
394		SSR0402AY07394	115
349	56C-R0402	SSR0402AY07349	130
320		SSR0402AY07320	142
307	56C-R0402	SSR0402AY07307	148
276		SSR0402AY07276	164
238	56C-R0402	SSR0402AY07238	191
215		SSR0402AY07215	211
193	56C-R0402	SSR0402AY07193	235
173		SSR0402AY07173	262
154	56C-R0402	SSR0402AY07154	295
137		SSR0402AY07137	331
118	56C-R0402	SSR0402AY07118	385
103		SSR0402AY07103	441
98	56C-R0402	SSR0402AY07098	463
92		SSR0402AY07092	493
77	56C-R0402	SSR0402AY07077	590
64		SSR0402AY07064	709
52	56C-R0402	SSR0402AY07052	873
46		SSR0402AY07046	987
40	56C-R0402	SSR0402AY07040	1135
36		SSR0402AY07036	1261
32	56C-R0402	SSR0402AY07032	1418

Note: All gearmotors listed are 1725 Rpm, 3 Phase, 60Hz, 208-230/460 Volt, Totally Enclosed Enclosure
Output Torque in Inch Pounds

**Sterli-Seal® All Stainless Steel Washdown Duty
Class I AGMA Rated**

1 Horsepower

F/L RPM	Double REDUCTION		Output Torque
	Frame	Model No.	
900	143TC-R0402	SSPR0402A001900	67
817		SSPR0402A001817	74
705	143TC-R0402	SSPR0402A001705	86
607		SSPR0402A001607	100
547	143TC-R0402	SSPR0402A001547	111
493		SSPR0402A001493	123
442	143TC-R0402	SSPR0402A001442	137
394		SSPR0402A001394	154
349	143TC-R0402	SSPR0402A001349	173
320		SSPR0402A001320	189
307	143TC-R0402	SSPR0402A001307	197
276		SSPR0402A001276	219
238	143TC-R0402	SSPR0402A001238	254
215		SSPR0402A001215	282
193	143TC-R0402	SSPR0402A001193	314
173		SSPR0402A001173	350
154	143TC-R0402	SSPR0402A001154	393
137		SSPR0402A001137	442
118	143TC-R0402	SSPR0402A001118	513
103		SSPR0402A001103	588
98	143TC-R0402	SSPR0402A001098	618
92		SSPR0402A001092	658
77	143TC-R0402	SSPR0402A001077	786
64		SSPR0402A001064	946
52	143TC-R0402	SSPR0402A001052	1164
46		SSPR0402A001046	1316
40	143TC-R0402	SSPR0402A001040	1513
36		SSPR0402A001036	1681
32	143TC-R0402	SSPR0402A001032	1892

AC Frequency Operation Specifications

Sterling Electric offers a complete line of Premium Efficient Motors, when used with Helical Gears produce the optimum efficiency level compared to other gear systems available in the market.

Premium Efficient Motors are Suitable for AC Variable Frequency Operation 3:1 Turndown (8.5-60 Hz) Constant Torque with the following specifications:

- Maximum total line distance between the controller and motor is not to exceed 50 Feet.
- Maximum switching (carrier) frequency of the control is not to exceed 8 kHz.

Small motors, as referenced in this section, will require varying degrees of voltage "boost" or "forcing" in order to produce rated torque at low frequency operation. Refer to NEMA MG1-1998, Part 30.

1.5 Horsepower

F/L RPM	Double REDUCTION		Output Torque
	Frame	Model No.	
900	145TC-R0402	SSPR0402AY15900	101
817		SSPR0402AY15817	111
705	145TC-R0402	SSPR0402AY15705	129
607		SSPR0402AY15607	150
547	145TC-R0402	SSPR0402AY15557	166
493		SSPR0402AY15493	184
442	145TC-R0402	SSPR0402AY15442	205
394		SSPR0402AY15394	230
349	145TC-R0402	SSPR0402AY15349	260
320		SSPR0402AY15320	284
307	145TC-R0402	SSPR0402AY15307	296
276		SSPR0402AY15276	329
238	145TC-R0402	SSPR0402AY15238	381
215		SSPR0402AY15215	422
193	145TC-R0402	SSPR0402AY15193	470
173		SSPR0402AY15173	525
154	145TC-R0402	SSPR0402AY15154	590
137		SSPR0402AY15137	663
118	145TC-R0402	SSPR0402AY15118	769
103		SSPR0402AY15103	881
98	145TC-R0402	SSPR0402AY15098	926
92		SSPR0402AY15092	987
77	145TC-R0402	SSPR0402AY15077	1179
64		SSPR0402AY15064	1419
52	145TC-R0402	SSPR0402AY15052	1746
46		SSPR0402AY15046	1974
40	145TC-R0402	SSPR0402AY15040	2270
37		SSPR0602AY15037	2454
33	145TC-R0602	SSPR0602AY15033	2751

2 Horsepower

F/L RPM	Double REDUCTION		Output Torque
	Frame	Model No.	
900	145TC-R0402	SSPR0402A002900	135
817		SSPR0402A002817	148
705	145TC-R0402	SSPR0402A002705	172
607		SSPR0402A002607	199
547	145TC-R0402	SSPR0402A002547	221
493		SSPR0402A002493	246
442	145TC-R0402	SSPR0402A002442	274
394		SSPR0402A002394	307
349	145TC-R0402	SSPR0402A002349	347
320		SSPR0402A002320	378
307	145TC-R0402	SSPR0402A002307	394
276		SSPR0402A002276	439
238	145TC-R0402	SSPR0402A002238	509
215		SSPR0402A002215	563
193	145TC-R0402	SSPR0402A002193	627
173		SSPR0402A002173	700
154	145TC-R0402	SSPR0402A002154	786
137		SSPR0402A002137	884
118	145TC-R0602	SSPR0402A002118	1025
103		SSPR0402A002103	1175
98	145TC-R0402	SSPR0402A00209	1235
90	145TC-R0602	SSPR0602A002090	1345
77	145TC-R0402	SSPR0402A002077	1572
64		SSPR0402A002064	1891
52	145TC-R0402	SSPR0402A002052	2328
50	145TC-R0602	SSPR0602A002050	2421
41		SSPR0602A002041	2953
37	145TC-R0602	SSPR0602A002037	3271
33		SSPR0602A002033	3668

Note: All gearmotors listed are 1725 Rpm, 3 Phase, 60Hz, 208-230/460 Volt, Totally Enclosed Fan Cooled Enclosure
Output Torque in Inch Pounds

A15	2000HG Gearmotor Selection	
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Sterli-Seal® All Stainless Steel Washdown Duty
Class I AGMA Rated

3 Horsepower			
F/L RPM	Double REDUCTION		Output Torque
	Frame	Model No.	
900	182TC-R0402	SSPR0402A003900	202
817		SSPR0402A003817	222
705	182TC-R0402	SSPR0402A003705	258
607		SSPR0402A003607	299
547	182TC-R0402	SSPR0402A003547	332
493		SSPR0402A003493	368
442	182TC-R0402	SSPR0402A003442	411
394		SSPR0402A003394	461
349	182TC-R0402	SSPR0402A003349	520
320		SSPR0402A003320	567
307	182TC-R0402	SSPR0402A003307	591
276		SSPR0402A003276	658
238	182TC-R0402	SSPR0402A003238	763
215		SSPR0402A003215	845
193	182TC-R0402	SSPR0402A003193	941
173		SSPR0402A003173	1050
154	182TC-R0402	SSPR0402A003154	1179
137		SSPR0402A003137	1325
123	182TC-R0602	SSPR0602A003123	1476
100		SSPR0602A003100	1816
98	182TC-R0602	SSPR0602A003098	1853
90		SSPR0602A003090	2018
81	182TC-R0602	SSPR0602A003081	2242
65		SSPR0602A003065	2794
55	182TC-R0602	SSPR0602A003055	3302
50		SSPR0602A003050	3632
41	182TC-R0602	SSPR0602A003041	4429
35	182TC-R0702	SSPR0702A003035	5188
31		SSPR0702A003031	5858

5 Horsepower			
F/L RPM	Double REDUCTION		Output Torque
	Frame	Model No.	
900	184TC-R0402	SSPR0402A005900	336
817		SSPR0402A005817	370
705	184TC-R0402	SSPR0402A005705	429
607		SSPR0402A005607	499
547	184TC-R0402	SSPR0402A005547	553
493		SSPR0402A005493	614
442	184TC-R0402	SSPR0402A005442	685
394		SSPR0402A005394	768
349	184TC-R0402	SSPR0402A005349	867
320		SSPR0402A005320	946
307	184TC-R0402	SSPR0402A005307	986
276		SSPR0402A005276	1097
238	184TC-R0402	SSPR0402A005238	1272
215		SSPR0402A005215	1408
193	184TC-R0402	SSPR0402A005193	1568
173		SSPR0402A005173	1749
156	184TC-R0602	SSPR0602A005152	1940
142		SSPR0602A005142	2131
123	184TC-R0602	SSPR0702A005123	2460
106		SSPR0702A005106	2855
100	184TC-R0702	SSPR0702A005100	3026
89		SSPR0702A005089	3400
78	184TC-R0702	SSPR0702A005078	3880
63		SSPR0702A005063	4804
53	184TC-R0702	SSPR0702A005053	5710
49		SSPR0702A005049	6176

7.5 Horsepower			
F/L RPM	Double REDUCTION		Output Torque
	Frame	Model No.	
860	213TC-R0602	SSPR0602AY75860	528
768		SSPR0602AY75768	591
684	213TC-R0602	SSPR0602AY75684	664
608		SSPR0602AY75608	747
539	213TC-R0602	SSPR0602AY75539	799
475		SSPR0602AY75475	956
436	213TC-R0602	SSPR0602AY75436	1041
381		SSPR0602AY75381	1191
346	213TC-R0602	SSPR0602AY75346	1312
315		SSPR0602AY75315	1441
298	213TC-R0602	SSPR0602AY75298	1523
280		SSPR0602AY75280	1621
249	213TC-R0602	SSPR0602AY75249	1823
221		SSPR0602AY75221	2054
195	213TC-R0602	SSPR0602AY75195	2328
178		SSPR0602AY75178	2550
156	213TC-R0602	SSPR0602AY75156	2910
142		SSPR0602AY75142	3197
125	213TC-R0702	SSPR0702AY75125	3632
106		SSPR0702AY75106	4283
100	213TC-R0702	SSPR0702AY75100	4540
89		SSPR0702AY75089	5101
78	213TC-R0702	SSPR0702AY75078	5820

10 Horsepower			
F/L RPM	Double REDUCTION		Output Torque
	Frame	Model No.	
860	215TC-R0602	SSPR0602A010860	704
768		SSPR0602A010768	788
684	215TC-R0602	SSPR0602A010684	885
608		SSPR0602A010608	996
539	215TC-R0602	SSPR0602A010539	1066
475		SSPR0602A010475	1274
436	215TC-R0602	SSPR0602A010436	1388
381		SSPR0602A010381	1589
346	215TC-R0602	SSPR0602A010346	1749
315		SSPR0602A010315	1922
298	215TC-R0602	SSPR0602A010298	2031
280		SSPR0602A010280	2162
249	215TC-R0602	SSPR0602A010249	2431
221		SSPR0602A010221	2739
195	215TC-R0602	SSPR0602A010195	3104
178		SSPR0602A010178	3363
157	215TC-R0702	SSPR0702A010157	3855
137		SSPR0702A010137	4418
125	215TC-R0702	SSPR0702A010125	5044
106		SSPR0702A010106	5948
100	215TC-R0702	SSPR0702A010100	6053

Note: All gearmotors listed are 1725 Rpm, 3 Phase, 60Hz, 208-230/460 Volt, Totally Enclosed Fan Cooled Enclosure
Output Torque in Inch Pounds

2000HG Gearmotor Selection

A16

Sterli-Seal® All Stainless Steel Washdown Duty **Class I AGMA Rated**

15 Horsepower			
F/L RPM	Single/Double REDUCTION		Output Torque
	Frame	Model No.	
902	254TC-R0702	SSPR0702A015902	1007
806		SSPR0702A015806	1126
719		SSPR0702A015719	1263
640	254TC-R0702	SSPR0702A015640	1419
568		SSPR0702A015568	1598
502		SSPPR0702A01502	1809
351	254TC-R0702	SSPR0702A015351	2587
314		SSPR0702A015314	2855
280		SSPR0702A015280	3243
249	254TC-R0702	SSPR0702A015249	3646
221		SSPR0702A015221	4108
195		SSPR0702A015195	4656

20 Horsepower			
F/L RPM	Single/Double REDUCTION		Output Torque
	Frame	Model No.	
902	256TC-R0702	SSPR0702A020902	1342
806		SSPR0702A020806	1502
719		SSPR0702A020719	1684
640	256TC-R0702	SSPR0702A020640	1892
568		SSPR0702A020568	2131
502		SSPR0702A020502	2411
351	256TC-R0702	SSPR0702A020351	3449
314		SSPR0702A020314	3855
280		SSPR0702A020280	4323

Note: All gearmotors listed are 1725 Rpm, 3 Phase, 60Hz, 208-230/460 Volt, Totally Enclosed Fan Cooled Enclosure
Output Torque in Inch Pounds.

**Sterli-Seal® All Stainless Steel Washdown Duty Class I AGMA Rated
Inverter Duty (10:1 Constant Torque)**

.50 Horsepower – TENV Enclosure			
F/L RPM	Double REDUCTION		Output Torque
	Frame	Model No.	
900	56C-R0402	SSIR0402AY05900	34
817		SSIR0402AY05817	37
705	56C-R0402	SSIR0402AY05705	43
607		SSIR0402AY05607	50
547	56C-R0402	SSIR0402AY05547	55
493		SSIR0402AY05493	61
442	56C-R0402	SSIR0402AY05442	68
394		SSIR0402AY05394	77
349	56C-R0402	SSIR0402AY05349	87
320		SSIR0402AY05320	95
307	56C-R0402	SSIR0402AY05307	99
276		SSIR0402AY05276	110
238	56C-R0402	SSIR0402AY05238	127
215		SSIR0402AY05215	141
193	56C-R0402	SSIR0402AY05193	157
173		SSIR0402AY05173	175
154	56C-R0402	SSIR0402AY05154	197
137		SSIR0402AY05137	221
118	56C-R0402	SSIR0402AY05118	256
103		SSIR0402AY05103	294
98	56C-R0402	SSIR0402AY05098	309
92		SSIR0402AY05092	329
77	56C-R0402	SSIR0402AY05077	393
64		SSIR0402AY05064	473
52	56C-R0402	SSIR0402AY05052	582
46		SSIR0402AY05046	658
40	56C-R0402	SSIR0402AY05040	757
36		SSIR0402AY05036	841
32	56C-R0402	SSIR0402AY05032	946

.75 Horsepower			
F/L RPM	Double REDUCTION		Output Torque
	Frame	Model No.	
900	56C-R0402	SSIR0402AY07900	50
817		SSIR0402AY07817	56
705	56C-R0402	SSIR0402AY07705	64
607		SSIR0402AY07607	75
547	56C-R0402	SSIR0402AY07547	83
493		SSIR0402AY07493	92
442	56C-R0402	SSIR0402AY07442	103
394		SSIR0402AY07394	115
349	56C-R0402	SSIR0402AY07349	130
320		SSIR0402AY07320	142
307	56C-R0402	SSIR0402AY07307	148
276		SSIR0402AY07276	164
238	56C-R0402	SSIR0402AY07238	191
215		SSIR0402AY07215	211
193	56C-R0402	SSIR0402AY07193	235
173		SSIR0402AY07173	262
154	56C-R0402	SSIR0402AY07154	295
137		SSIR0402AY07137	331
118	56C-R0402	SSIR0402AY07118	385
103		SSIR0402AY07103	441
98	56C-R0402	SSIR0402AY07098	463
92		SSIR0402AY07092	493
77	56C-R0402	SSIR0402AY07077	590
64		SSIR0402AY07064	709
52	56C-R0402	SSIR0402AY07052	873
46		SSIR0402AY07046	987
40	56C-R0402	SSIR0402AY07040	1135
36		SSIR0402AY07036	1261
32	56C-R0402	SSIR0402AY07032	1418

1 Horsepower			
F/L RPM	Double REDUCTION		Output Torque
	Frame	Model No.	
900	143TC-R0402	SSIR0402A001900	67
817		SSIR0402A001817	74
705	143TC-R0402	SSIR0402A001705	86
607		SSIR0402A001607	100
547	143TC-R0402	SSIR0402A001547	111
493		SSIR0402A001493	123
442	143TC-R0402	SSIR0402A001442	137
394		SSIR0402A001394	154
349	143TC-R0402	SSIR0402A001349	173
320		SSIR0402A001320	189
307	143TC-R0402	SSIR0402A001307	197
276		SSIR0402A001276	219
238	143TC-R0402	SSIR0402A001238	254
215		SSIR0402A001215	282
193	143TC-R0402	SSIR0402A001193	314
173		SSIR0402A001173	350
154	143TC-R0402	SSIR0402A001154	393
137		SSIR0402A001137	442
118	143TC-R0402	SSIR0402A001118	513
103		SSIR0402A001103	588
98	143TC-R0402	SSIR0402A001098	618
92		SSIR0402A001092	658
77	143TC-R0402	SSIR0402A001077	786
64		SSIR0402A001064	946
52	143TC-R0402	SSIR0402A001052	1164
46		SSIR0402A001046	1316
40	143TC-R0402	SSIR0402A001040	1513
36		SSIR0402A001036	1681
32	143TC-R0402	SSIR0402A001032	1892

1.5 Horsepower			
F/L RPM	Double REDUCTION		Output Torque
	Frame	Model No.	
900	145TC-R0402	SSIR0402AY15900	101
817		SSIR0402AY15817	111
705	145TC-R0402	SSIR0402AY15705	129
607		SSIR0402AY15607	150
547	145TC-R0402	SSIR0402AY15547	166
493		SSIR0402AY15493	184
442	145TC-R0402	SSIR0402AY15442	205
394		SSIR0402AY15394	230
349	145TC-R0402	SSIR0402AY15349	260
320		SSIR0402AY15320	284
307	145TC-R0402	SSIR0402AY15307	296
276		SSIR0402AY15276	329
238	145TC-R0402	SSIR0402AY15238	381
215		SSIR0402AY15215	422
193	145TC-R0402	SSIR0402AY15193	470
173		SSIR0402AY15173	525
154	145TC-R0402	SSIR0402AY15154	590
137		SSIR0402AY15137	663
118	145TC-R0402	SSIR0402AY15118	769
103		SSIR0402AY15103	881
98	145TC-R0402	SSIR0402AY15098	926
92		SSIR0402AY15092	987
77	145TC-R0402	SSIR0402AY15077	1179
64		SSIR0402AY15064	1419
52	145TC-R0402	SSIR0402AY15052	1746
46		SSIR0402AY15046	1974
40	145TC-R0402	SSIR0402AY15040	2270
37	145TC-R0602	SSIR0602AY15037	2454
33		SSIR0602AY15033	2751

Note: All gearmotors listed are 1725 Rpm, 3 Phase, 60Hz, 208-230/460 Volt, Totally Enclosed Enclosure
Output Torque in Inch Pounds

2000HG Gearmotor Selection

A18

Sterli-Seal® All Stainless Steel Washdown Duty Class I AGMA Rated Inverter Duty (10:1 Constant Torque)

2.0 Horsepower			
F/L RPM	Double REDUCTION		Output Torque
	Frame	Model No.	
900	145TC-R0402	SSIR0402A002900	135
817		SSIR0402A002817	148
705		SSIR0402A002705	172
607		SSIR0402A002607	199
547	145TC-R0402	SSIR0402A002547	221
493		SSIR0402A002493	246
442		SSIR0402A002442	274
394		SSIR0402A002394	307
349	145TC-R0402	SSIR0402A002349	347
320		SSIR0402A002320	378
307		SSIR0402A002307	394
276		SSIR0402A002276	439
238	145TC-R0402	SSIR0402A002238	509
215		SSIR0402A002215	563
193		SSIR0402A002193	627
173		SSIR0402A002173	700
154	145TC-R0402	SSIR0402A002154	786
137		SSIR0402A002137	884
118		SSIR0402A002118	1025
103		SSIR0402A002103	1175
98	145TC-R0402	SSIR0402A002098	1235
90		SSIR0602A002090	1345
77	145TC-R0402	SSIR0402A002077	1572
64		SSIR0602A002064	1891
52		SSIR0602A002052	2328
50	145TC-R0602	SSIR0602A002050	2421
41		SSIR0602A002041	2953
37		SSIR0602A002037	3271
33		SSIR0602A002033	3668

3 Horsepower			
F/L RPM	Double REDUCTION		Output Torque
	Frame	Model No.	
900	182TC-R0402	SSIR0402A003900	202
817		SSIR0402A003817	222
705		SSIR0402A003705	258
607		SSIR0402A003607	299
547	182TC-R0402	SSIR0402A003547	332
493		SSIR0402A003493	368
442		SSIR0402A003442	411
394		SSIR0402A003394	461
349	182TC-R0402	SSIR0402A003349	520
320		SSIR0402A003320	567
307		SSIR0402A003307	591
276		SSIR0402A003276	658
238	182TC-R0402	SSIR0402A003238	763
215		SSIR0402A003215	845
193		SSIR0402A003193	941
173		SSIR0402A003173	1050
154	182TC-R0402	SSIR0402A003154	1179
137		SSIR0402A003137	1325
123	182TC-R0602	SSIR0602A003123	1476
100		SSIR0602A003100	1816
98		SSIR0602A003098	1853
90		SSIR0602A003090	2018
81	182TC-R0602	SSIR0602A003081	2242
65		SSIR0602A003065	2794
55		SSIR0602A003055	3302
50		SSIR0602A003050	3632
41	182TC-R0602	SSIR0602A003041	4429
35		SSIR0702A003035	5188
31		SSIR0702A003031	5858

5 Horsepower			
F/L RPM	Double REDUCTION		Output Torque
	Frame	Model No.	
900	184TC-R0402	SSIR0402A005900	336
817		SSIR0402A005817	370
705		SSIR0402A005705	429
607		SSIR0402A005607	499
547	184TC-R0402	SSIR0402A005547	553
493		SSIR0402A005493	614
442		SSIR0402A005442	685
394		SSIR0402A005394	768
349	184TC-R0402	SSIR0402A005349	867
320		SSIR0402A005320	946
307		SSIR0402A005307	986
276		SSIR0402A005276	1097
238	184TC-R0402	SSIR0402A005238	1272
215		SSIR0402A005215	1408
193		SSIR0602A005193	1568
173		SSIR0602A005173	1749
156	184TC-R0602	SSIR0602A005156	1940
142		SSIR0602A005142	2131
123		SSIR0602A005123	2460
106	184TC-R0702	SSIR0702A005106	2855
100		SSIR0702A005100	3026
89		SSIR0702A005089	3400
78		SSIR0702A005078	3880
63	184TC-R0702	SSIR0702A005063	4804
53		SSIR0702A005053	5710
49		SSIR0702A005049	6176

7.5 Horsepower			
F/L RPM	Double REDUCTION		Output Torque
	Frame	Model No.	
860	213TC-R0602	SSIR0602AY75860	528
768		SSIR0602AY75768	591
684		SSIR0602AY75684	664
608		SSIR0602AY75608	747
539	213TC-R0602	SSIR0602AY75539	799
475		SSIR0602AY75475	956
436		SSIR0602AY75436	1041
381		SSIR0602AY75381	1191
346	213TC-R0602	SSIR0602AY75346	1312
315		SSIR0602AY75315	1441
298		SSIR0602AY75298	1523
280		SSIR0602AY75280	1621
249	213TC-R0602	SSIR0602AY75249	1823
221		SSIR0602AY75221	2054
195		SSIR0602AY75195	2328
178		SSIR0602AY75178	2550
156	213TC-R0602	SSIR0602AY75156	2910
142		SSIR0602AY75142	3197
125	213TC-R0702	SSIR0702AY75125	3632
106		SSIR0702AY75106	4283
100		SSIR0702AY75100	4540
89		SSIR0702AY75089	5101
78	213TC-R0702	SSIR0702AY75078	5820

Note: All gearmotors listed are 1725 Rpm, 3 Phase, 60Hz, 208-230/460 Volt, Totally Enclosed Fan Cooled Enclosure
Output Torque in Inch Pounds

***Sterli-Seal® All Stainless Steel Washdown Duty Class I AGMA Rated
Inverter Duty (10:1 Constant Torque)***

10 Horsepower			
F/L RPM	Double REDUCTION		Output Torque
	Frame	Model No.	
860	215TC-R0602	SSIR0602A010860	704
768		SSIR0602A010768	788
684	215TC-R0602	SSIR0602A010684	885
608		SSIR0602A010608	996
568	215TC-R0602	SSIR0602A010568	1066
475		SSIR0602A010475	1274
436	215TC-R0602	SSIR0602A010436	1388
381		SSIR0602A010381	1589
346	215TC-R0602	SSIR0602A010346	1749
315		SSIR0602A010315	1922
298	215TC-R0602	SSIR0602A010298	2031
280		SSIR0602A010280	2162
249	215TC-R0602	SSIR0602A010249	2430
221		SSIR0602A010221	2739
195	215TC-R0602	SSIR0602A010195	3104
178		SSIR0602A010178	3363
157	215TC-R0702	SSIR0702A010157	3855
137		SSIR0702A010137	4418
125	215TC-R0702	SSIR0702A010125	5044
106		SSIR0702A010106	5948
100	215TC-R0702	SSIR0702A010100	6053

15 Horsepower			
F/L RPM	Double REDUCTION		Output Torque
	Frame	Model No.	
902	254TC-R0702	SSIR0702A015902	1007
806		SSIR0702A015806	1126
719	254TC-R0702	SSIR0702A015719	1263
640		SSIR0702A015640	1419
568	254TC-R0702	SSIR0702A015588	1598
502		SSIR0702A015502	1809
351	254TC-R0702	SSIR0702A015351	2587
314		SSIR0702A015314	2855
280	254TC-R0702	SSIR0702A015280	3243
249		SSIR0702A015249	3646
221	254TC-R0702	SSIR0702A015221	4108
195		SSIR0702A015195	4656

20 Horsepower			
F/L RPM	Double REDUCTION		Output Torque
	Frame	Model No.	
902	256TC-R0702	SSIR0702A020902	1342
806		SSIR0702A020806	1502
719		SSIR0702A020719	1684
640	256TC-R0702	SSIR0702A020640	1892
568		SSIR0702A020588	2131
502	256TC-R0702	SSIR0702A020502	2411
351		SSIR0702A020351	3448
314	256TC-R0702	SSIR0702A020314	3855
280		SSIR0702A020280	4323
249	256TC-R0702	SSIR0702A020249	4861

Note: All gearmotors listed are 1725 Rpm, 3 Phase, 60Hz, 208-230/460 Volt, Totally Enclosed Fan Cooled Enclosure
Output Torque in Inch Pounds

2000HG Gearmotor Selection

A20

(Inverter Duty 10:1 Constant Torque 6-60 Hz. Operation) AGMA Class I Rated

1 Horsepower			
F/L RPM	Double REDUCTION		Output Torque
	Frame	Model No.	
900	56C-R0402	IR0402A001900	67
817		IR0402A001817	74
705		IR0402A001705	86
607		IR0402A001607	100
547	56C-R0402	IR0402A001547	111
493		IR0402A001493	123
442		IR0402A001442	137
394		IR0402A001394	154
349	56C-R0402	IR0402A001349	173
320		IR0402A001320	189
307		IR0402A001307	197
276		IR0402A001276	219
238	56C-R0402	IR0402A001238	254
215		IR0402A001215	282
193		IR0402A001193	314
173		IR0402A001173	350
154	56C-R0402	IR0402A001154	393
137		IR0402A001137	442
118		IR0402A001118	513
103		IR0402A001103	588
98	56C-R0402	IR0402A001098	618
92		IR0402A001092	658
77		IR0402A001077	786
64		IR0402A001064	946
52	56C-R0402	IR0402A001052	1164
46		IR0402A001046	1316
40		IR0402A001030	1513
36		IR0402A001036	1681
32	56C-R0402	IR0402A001032	1892

AC Frequency Operation Specifications

Sterling Electric offers a complete line of Premium Efficient Inverter Duty Motors. when used with Helical Gears produce the optimum efficiency level compared to other gear systems available in the market.

Inverter Duty Motors are Suitable for AC Variable Frequency Operation 10:1 Turndown (6-60 Hz) Constant Torque.

Inverter Duty Motors are Class "H" Insulated and supplied with (2) Normally Closed Thermal Protectors (Klixons).

Small motors, as referenced in this section, will require varying degrees of voltage "boost" or "forcing" in order to produce rated torque at low frequency operation. Refer to NEMA MG1-1998, Part 31.

1.5 Horsepower			
F/L RPM	Double REDUCTION		Output Torque
	Frame	Model No.	
900	145TC-R0402	IR0402AY15900	101
817		IR0402AY15817	111
705		IR0402AY15705	129
607		IR0402AY15607	150
547	145TC-R0402	IR0402AY15557	166
493		IR0402AY15493	184
442		IR0402AY15442	205
394		IR0402AY15394	230
349	145TC-R0402	IR0402AY15349	260
320		IR0402AY15320	284
307		IR0402AY15307	296
276		IR0402AY15276	329
238	145TC-R0402	IR0402AY15238	381
215		IR0402AY15215	422
193		IR0402AY15193	470
173		IR0402AY15173	525
154	145TC-R0402	IR0402AY15154	590
137		IR0402AY15137	663
118		IR0402AY15118	769
103		IR0402AY15103	881
98	145TC-R0402	IR0402AY15098	926
92		IR0402AY15092	987
77		IR0402AY15077	1179
64		IR0402AY15064	1419
52	145TC-R0402	IR0402AY15052	1746
46		IR0402AY15046	1974
40		IR0402AY15040	2270
37	145TC-R0602	IR0602AY15037	2454
33		IR0602AY15033	2751

2 Horsepower			
F/L RPM	Double REDUCTION		Output Torque
	Frame	Model No	
900	145TC-R0402	IR0402A002900	135
817		IR0402A002817	148
705		IR0402A002705	172
607		IR0402A002607	199
547	145TC-R0402	IR0402A002547	221
493		IR0402A002493	246
442		IR0402A002442	274
394		IR0402A002394	307
349	145TC-R0402	IR0402A002349	347
320		IR0402A002320	378
307		IR0402A002307	394
276		IR0402A002276	439
238	145TC-R0402	IR0402A002238	509
215		IR0402A002215	563
193		IR0402A002193	627
173		IR0402A002173	700
154	145TC-R0402	IR0402A002154	786
137		IR0402A002137	884
118		IR0402A002118	1025
103		IR0402A002103	1175
98	145TC-R0402	IR0402A002098	1235
90		IR0602A002090	1345
77		IR0402A002077	1572
64		IR0402A002064	1891
52	145TC-R0402	IR0402A002052	2328
50		IR0602A002050	2421
41		IR0602A002041	2953
37		IR0602A002037	3271
33	145TC-R0602	IR0602A002033	3668

Note: All gearmotors listed are 1725 Rpm, 3 Phase, 60Hz, 208-230/460 Volt, Totally Enclosed Fan Cooled Enclosure
Output Torque in Inch Pounds

A21	2000HG Gearmotor Selection	
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(Inverter Duty 10:1 Constant Torque 6-60 Hz. Operation) AGMA Class I Rated		
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3 Horsepower			
F/L RPM	Double REDUCTION		Output Torque
	Frame	Model No.	
900	182TC-R0402	IR0402A003900	202
817		IR0402A003817	222
705	182TC-R0402	IR0402A003705	258
607		IR0402A003607	299
547	182TC-R0402	IR0402A003547	332
493		IR0402A003493	368
442	182TC-R0402	IR0402A003442	411
394		IR0402A003394	461
349	182TC-R0402	IR0402A003349	520
320		IR0402A003320	567
307	182TC-R0402	IR0402A003307	591
276		IR0402A003276	658
238	182TC-R0402	IR0402A003238	763
215		IR0402A003215	845
193	182TC-R0402	IR0402A003193	941
173		IR0402A003173	1050
154	182TC-R0402	IR0402A003154	1179
137		IR0402A003137	1325
123	182TC-R0602	IR0602A003123	1476
100		IR0602A003100	1816
98	182TC-R0602	IR0602A003098	1853
90		IR0602A003090	2018
81	182TC-R0602	IR0602A003081	2242
65		IR0602A003065	2794
55	182TC-R0602	IR0602A003055	3302
50		IR0602A003050	3632
41	182TC-R0602	IR0602A003041	4429
35	182TC-R0702	IR0702A003035	5188
31		IR0702A003031	5858

5 Horsepower			
F/L RPM	Double REDUCTION		Output Torque
	Frame	Model No.	
900	184TC-R0402	IR0402A005900	336
817		IR0402A005817	370
705	184TC-R0402	IR0402A005705	429
607		IR0402A005607	499
547	184TC-R0402	IR0402A005547	553
493		IR0402A005493	614
442	184TC-R0402	IR0402A005442	685
394		IR0402A005394	768
349	184TC-R0402	IR0402A005349	867
320		IR0402A005320	946
307	184TC-R0402	IR0402A005307	986
276		IR0402A005276	1097
238	184TC-R0402	IR0402A005238	1272
215		IR0402A005215	1408
193	184TC-R0402	IR0402A005193	1568
173		IR0402A005173	1749
156	184TC-R0602	IR0602A005152	1940
142		IR0602A005142	2131
123	184TC-R0602	IR0702A005123	2460
106		IR0702A005106	2855
100	184TC-R0702	IR0702A005100	3026
89		IR0702A005089	3400
78	184TC-R0702	IR0702A005078	3880
63		IR0702A005063	4804
53	184TC-R0702	IR0702A005053	5710
49		IR0702A005049	6176
39	184TC-G0802	IG0802A005039	7760
36		IG0802A005036	8407
31	184TC-G0802	IG0802A005031	9763

7.5 Horsepower			
F/L RPM	Double REDUCTION		Output Torque
	Frame	Model No.	
860	213TC-R0602	IR0602AY75860	528
768		IR0602AY75768	591
684	213TC-R0602	IR0602AY75684	664
608		IR0602AY75608	747
539	213TC-R0602	IR0602AY75539	799
475		IR0602AY75475	956
436	213TC-R0602	IR0602AY75436	1041
381		IR0602AY75381	1191
346	213TC-R0602	IR0602AY75346	1312
315		IR0602AY75315	1441
298	213TC-R0602	IR0602AY75298	1523
280		IR0602AY75280	1621
249	213TC-R0602	IR0602AY75249	1823
221		IR0602AY75221	2054
195	213TC-R0602	IR0602AY75195	2328
178		IR0602AY75178	2550
156	213TC-R0702	IR0602AY75156	2910
142		IR0602AY75142	3197
125	213TC-R0702	IR0702AY75125	3632
106		IR0702AY75106	4283
100	213TC-R0702	IR0702AY75100	4540
89		IR0702AY75089	5101
78	213TC-R0702	IR0702AY75078	5820
62	213TC-G0802	IG0802AY75062	7322
53		IG0802AY75053	8565
48	213TC-G0802	IG0802AY75048	9458
39		IG0802AY75039	11640
36	213TC-G0802	IG0802AY75036	12610
29	213TC-H0902	IH0902AY75029	15654

10 Horsepower			
F/L RPM	Double REDUCTION		Output Torque
	Frame	Model No.	
860	215TC-R0602	IR0602A010860	704
768		IR0602A010768	788
684	215TC-R0602	IR0602A010684	885
608		IR0602A010608	996
539	215TC-R0602	IR0602A010539	1066
475		IR0602A010475	1274
436	215TC-R0602	IR0602A010436	1388
381		IR0602A010381	1589
346	215TC-R0602	IR0602A010346	1749
315		IR0602A010315	1922
298	215TC-R0602	IR0602A010298	2031
280		IR0602A010280	2162
249	215TC-R0602	IR0602A010249	2431
221		IR0602A010221	2739
195	215TC-R0602	IR0602A010195	3104
178		IR0602A010178	3363
157	215TC-R0702	IR0702A010157	3855
137		IR0702A010137	4418
125	215TC-R0702	IR0702A010125	5044
106		IR0702A010106	5948
100	215TC-R0702	IR0702A010100	6053
84	215TC-G0802	IG0802A010084	7206
75		IG0802A010075	8070
62	215TC-G0802	IH0902A010062	9763
53		IH0902A010053	11420
48	215TC-G0802	IH0902A010048	12610
39	215TC-H0902	IH0902A010039	15520
36		IH0902A010036	16813
32	215TC-H0902	IH0902A010032	18915

Note: All gearmotors listed are 1725 Rpm, 3 Phase, 60Hz, 208-230/460 Volt, Totally Enclosed Fan Cooled Enclosure
Output Torque in Inch Pounds

2000HG Gearmotor Selection

A22

(Inverter Duty 10:1 Constant Torque 6-60 Hz. Operation) AGMA Class I Rated

15 Horsepower			
F/L RPM	Single/Double REDUCTION		Output Torque
	Frame	Model No.	
902	254TC-R0702	IR0702A015902	1007
719	254TC-R0702	IR0702A015719	1263
640		IR0702A015640	1419
568	254TC-R0702	IR0702A015568	1598
502		IPR0702A01502	1809
351	254TC-R0702	IR0702A015351	2587
314		IR0702A015314	2855
280	254TC-R0702	IR0702A015280	3243
249		IR0702A015249	3646
221	254TC-R0702	IR0702A015221	4108
195		IR0702A015195	4656
153	254TC-G0802	IG0802A015153	5934
135		IG0802A015135	6725
116	254TC-G0802	IG0802A015116	7827
105		IG0802A015105	8647
96	254TC-G0802	IG0802A015096	9458
85		IG0802A015085	10681
75	254TC-G0802	IG0802A015075	12106
61	254TC-H0902	IH0902A015061	14884
54		IH0902A015054	16813
49	254TC-H0902	IH0902A015049	18529
41	254TC-H1002	IH1002A015041	22144
37		IH1002A015037	24538
34	254TC-H1002	IH1002A015034	26704

20 Horsepower			
F/L RPM	Single/Double REDUCTION		Output Torque
	Frame	Model No.	
902	256TC-R0702	IR0702A020902	1342
719		IR0702A020719	1684
640	256TC-R0702	IR0702A020640	1892
568		IR0702A020568	2131
502	256TC-R0702	IR0702A020502	2411
351		IR0702A020351	3449
314	256TC-R0702	IR0702A020314	3855
280		IR0702A020280	4323
210	256TC-G0802	IG0802A020210	5765
187		IG0802A020187	6474
153	256TC-G0802	IG0802A020153	7912
135		IG0802A020135	8967
116	256TC-G0802	IG0802A020116	10436
105		IG0802A020105	11529
94	256TC-H0902	IH0902A020094	12878
84		IH0902A020084	14411
76	256TC-H0902	IH0902A020076	15928
67		IH0902A020067	18068
60	256TC-H0902	IH0902A020060	20176
56	256TC-H1002	IH1002A020056	21617
49		IH1002A020049	24705
47	256TC-H1002	IH1002A020047	25757
40		IH1002A020040	30264
36	256TC-H1002	IH1002A020036	33627

25 Horsepower			
F/L RPM	DOUBLE REDUCTION		Output Torque
	Frame	Model No.	
859	284TC-H0902	IH0902A025859	1762
766		IH0902A025766	1975
683	284TC-H0902	IH0902A025683	2216
589		IH0902A025589	2569
530	284TC-H0902	IH0902A025530	2855
475	284TC-G0802	IG0802A025475	3186
335		IG0802A025335	4517
302	284TC-G0802	IG0802A025302	5011
271		IG0802A025271	5584
210	284TC-G0802	IG0802A025210	7206
187		IG0802A025187	8092
152	284TC-G0802	IG0802A025152	9955
137	284TC-H0902	IH0902A025137	11045
120		IH0902A025120	12610
105	284TC-H0902	IH0902A025105	14411
94		IH0902A025094	16098
84	284TC-H0902	IH0902A025084	18014
76		IH0902A025076	19911
67	284TC-H1002	IH1002A025067	22585
58		IH1002A025058	26090
56	284TC-H1002	IH1002A025056	27021
49		IH1002A025049	30882
47	284TC-H1002	IH1002A025047	32196

30 Horsepower			
F/L RPM	DOUBLE REDUCTION		Output Torque
	Frame	Model No.	
859	286TC-H0902	IH0902A030859	2114
766		IH0902A030766	2371
683	286TC-H0902	IH0902A030683	2659
589		IH0902A030589	3083
530	286TC-H0902	IH0902A030530	3426
474		IH0902A030474	3831
428	286TC-H0902	IH0902A030428	4243
381		IH0902A030381	4766
344	286TC-H0902	IH0902A030344	5279
307		IH0902A030307	5915
264	286TC-H0902	IH0902A030264	6878
236		IH0902A030236	7694
212	286TC-H0902	IH0902A030212	8565
190		IH0902A030190	9557
170	286TC-H0902	IH0902A030170	10681
149		IH0902A030149	12187
137	286TC-H0902	IH0902A030137	13254
120		IH0902A030120	15132
105	286TC-H0902	IH0902A030105	17294
95	286TC-H1002	IH1002A030095	19114
90		IH1002A030090	20176
81	286TC-H1002	IH1002A030081	22418
67		IH1002A030067	27102
58	286TC-H1002	IH1002A030058	31308
56		IH1002A030056	42426
49	286TC-H1002	IH1002A030049	37058

Note: All gearmotors listed are 1725 Rpm, 3 Phase, 60Hz, 208-230/460 Volt, Totally Enclosed Fan Cooled Enclosure
Output Torque in Inch Pounds

A23	2000HG Gearmotor Selection	
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(Inverter Duty 10:1 Constant Torque 6-60 Hz. Operation) AGMA Class I Rated		
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40 Horsepower			
F/L RPM	DOUBLE REDUCTION		Output Torque
	Frame	Model No.	
859	324TC-H0902	IH0902A040859	2819
766		IH0902A040766	3161
683	324TC-H0902	IH0902A040683	3545
589		IH0902A040589	4111
530	324TC-H0902	IH0902A040530	4568
474		IH0902A040474	5108
428	324TC-H0902	IH0902A040428	5657
381		IH0902A040381	6355
344	324TC-H0902	IH0902A040344	7038
307		IH0902A040307	7886
264	324TC-H0902	IH0902A040264	9171
236		IH0902A040236	10259
212	324TC-H0902	IH0902A040212	11420
190		IH0902A040190	12742
170	324TC-H0902	IH0902A040170	14242
149		IH0902A040149	16249
137	324TC-H0902	IH0902A040137	17672
120		IH0902A040120	20176
106	324TC-H1002	IH1002A040106	22841
95		IH1002A040095	25485
90	324TC-H1002	IH1002A040090	26901
81		IH1002A040081	29890
68	324TC-H1302	IH1302A040068	35605
61		IH1302A040061	39690
54	324TC-H1302	IH1302A040054	44836
49		IH1302A040049	49411
44	324TC-H1302	IH1302A040044	55025

50 Horsepower			
F/L RPM	DOUBLE REDUCTION		Output Torque
	Frame	Model No.	
859	326TC-H0902	IH0902A050859	3523
766		IH0902A050766	3951
683	326TC-H0902	IH0902A050683	4431
589		IH0902A050589	5138
530	326TC-H0902	IH0902A050530	5710
474		IH0902A050474	6385
428	326TC-H0902	IH0902A050428	7071
381		IH0902A050381	7943
344	326TC-H0902	IH0902A050344	8798
307		IH0902A050307	9858
264	326TC-H0902	IH0902A050264	11464
236		IH0902A050236	12824
212	326TC-H0902	IH0902A050212	14275
190		IH0902A050190	15928
165	326TC-H1002	IH1002A050165	18342
146		IH1002A050148	20729
139	326TC-H1002	IH1002A050139	21773
123		IH1002A050123	24605
106	326TC-H1002	IH1002A050106	28551
95		IH1002A050095	31857
90	326TC-H1002	IH1002A050090	33627
81		IH1002A050081	37363
61	326TC-H1302	IH1302A050061	49613
54		IH1302A050054	56044

Note: All gearmotors listed are 1725 Rpm, 3 Phase, 60Hz, 208-230/460 Volt, Totally Enclosed Fan Cooled Enclosure
Output Torque in Inch Pounds.

Sterli-Seal ® (Inverter Duty 10:1 Constant Torque 6-60 Hz. Operation) AGMA Class I Rated

1 Horsepower

F/L RPM	Double REDUCTION		Output Torque
	Frame	Model No.	
900	56C-R0402	SIR0402A001900	67
817		SIR0402A001817	74
705	56C-R0402	SIR0402A001705	86
607		SIR0402A001607	100
547	56C-R0402	SIR0402A001547	111
493		SIR0402A001493	123
442	56C-R0402	SIR0402A001442	137
394		SIR0402A001394	154
349	56C-R0402	SIR0402A001349	173
320		SIR0402A001320	189
307	56C-R0402	SIR0402A001307	197
276		SIR0402A001276	219
238	56C-R0402	SIR0402A001238	254
215		SIR0402A001215	282
193	56C-R0402	SIR0402A001193	314
173		SIR0402A001173	350
154	56C-R0402	SIR0402A001154	393
137		SIR0402A001137	442
118	56C-R0402	SIR0402A001118	513
103		SIR0402A001103	588
98	56C-R0402	SIR0402A001098	618
92		SIR0402A001092	658
77	56C-R0402	SIR0402A001077	786
64		SIR0402A001064	946
52	56C-R0402	SIR0402A001052	1164
46		SIR0402A001046	1316
40	56C-R0402	SIR0402A001030	1513
36		SIR0402A001036	1681
32	56C-R0402	SIR0402A001032	1891

AC Frequency Operation Specifications

Sterling Electric offers a complete line of Premium Efficient Inverter Duty Motors. when used with Helical Gears produce the optimum efficiency level compared to other gear systems available in the market.

Inverter Duty Motors are Suitable for AC Variable Frequency Operation 10:1 Turndown (6-60 Hz) Constant Torque.

Inverter Duty Motors are Class "H" Insulated and supplied with (2) Normally Closed Thermal Protectors (Klixons).

Small motors, as referenced in this section, will require varying degrees of voltage "boost" or "forcing" in order to produce rated torque at low frequency operation. Refer to NEMA MG1-1998, Part 31.

1.5 Horsepower

F/L RPM	Double REDUCTION		Output Torque
	Frame	Model No.	
900	145TC-R0402	SIR0402AY15900	101
817		SIR0402AY15817	111
705	145TC-R0402	SIR0402AY15705	129
607		SIR0402AY15607	150
547	145TC-R0402	SIR0402AY15557	166
493		SIR0402AY15493	184
442	145TC-R0402	SIR0402AY15442	205
394		SIR0402AY15394	230
349	145TC-R0402	SIR0402AY15349	260
320		SIR0402AY15320	284
307	145TC-R0402	SIR0402AY15307	296
276		SIR0402AY15276	329
238	145TC-R0402	SIR0402AY15238	381
215		SIR0402AY15215	422
193	145TC-R0402	SIR0402AY15193	470
173		SIR0402AY15173	525
154	145TC-R0402	SIR0402AY15154	590
137		SIR0402AY15137	663
118	145TC-R0402	SIR0402AY15118	769
103		SIR0402AY15103	881
98	145TC-R0402	SIR0402AY15098	926
92		SIR0402AY15092	987
77	145TC-R0402	SIR0402AY15077	1179
64		SIR0402AY15064	1419
52	145TC-R0402	SIR0402AY15052	1746
46		SIR0402AY15046	1974
40	145TC-R0402	SIR0402AY15040	2270
37	145TC-R0602	SIR0602AY15037	2454
33		SIR0602AY15033	2751

2 Horsepower

F/L RPM	Double REDUCTION		Output Torque
	Frame	Model No	
900	145TC-R0402	SIR0402A002900	135
817		SIR0402A002817	148
705	145TC-R0402	SIR0402A002705	172
607		SIR0402A002607	199
547	145TC-R0402	SIR0402A002547	221
493		SIR0402A002493	246
442	145TC-R0402	SIR0402A002442	274
394		SIR0402A002394	307
349	145TC-R0402	SIR0402A002349	347
320		SIR0402A002320	378
307	145TC-R0402	SIR0402A002307	394
276		SIR0402A002276	439
238	145TC-R0402	SIR0402A002238	509
215		SIR0402A002215	563
193	145TC-R0402	SIR0402A002193	627
173		SIR0402A002173	700
154	145TC-R0402	SIR0402A002154	786
137		SIR0402A002137	884
118	145TC-R0602	SIR0402A002118	1025
103		SIR0402A002103	1175
98	145TC-R0402	SIR0402A002098	1235
90	145TC-R0602	SIR0602A002090	1345
77	145TC-R0402	SIR0402A002077	1572
64		SIR0402A002064	1891
52	145TC-R0402	SIR0402A002052	2328
50	145TC-R0602	SIR0602A002050	2421
41		SIR0602A002041	2953
37	145TC-R0602	SIR0602A002037	3271
33		SIR0602A002033	3668

Note: All gearmotors listed are 1725 Rpm, 3 Phase, 60Hz, 208-230/460 Volt, Totally Enclosed Fan Cooled Enclosure
Output Torque in Inch Pounds

A25	2000HG Gearmotor Selection	
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**Sterli-Seal ® (Inverter Duty 10:1 Constant Torque 6-60 Hz. Operation)
AGMA Class I Rated**

3 Horsepower			
F/L RPM	Double REDUCTION		Output Torque
	Frame	Model No.	
900	182TC-R0402	SIR0402A003900	202
817		SIR0402A003817	222
705	182TC-R0402	SIR0402A003705	258
607		SIR0402A003607	299
547	182TC-R0402	SIR0402A003547	332
493		SIR0402A003493	368
442	182TC-R0402	SIR0402A003442	411
394		SIR0402A003394	461
349	182TC-R0402	SIR0402A003349	520
320		SIR0402A003320	567
307	182TC-R0402	SIR0402A003307	591
276		SIR0402A003276	658
238	182TC-R0402	SIR0402A003238	763
215		SIR0402A003215	845
193	182TC-R0402	SIR0402A003193	941
173		SIR0402A003173	1050
154	182TC-R0402	SIR0402A003154	1179
137		SIR0402A003137	1325
123	182TC-R0602	SIR0602A003123	1476
100		SIR0602A003100	1816
98	182TC-R0602	SIR0602A003098	1853
90		SIR0602A003090	2018
81	182TC-R0602	SIR0602A003081	2242
65		SIR0602A003065	2794
55	182TC-R0602	SIR0602A003055	3302
50		SIR0602A003050	3632
41	182TC-R0602	SIR0602A003041	4429
35	182TC-R0702	SIR0702A003035	5188
31		SIR0702A003031	5858

5 Horsepower			
F/L RPM	Double REDUCTION		Output Torque
	Frame	Model No.	
900	184TC-R0402	SIR0402A005900	336
817		SIR0402A005817	370
705	184TC-R0402	SIR0402A005705	429
607		SIR0402A005607	499
547	184TC-R0402	SIR0402A005547	553
493		SIR0402A005493	614
442	184TC-R0402	SIR0402A005442	685
394		SIR0402A005394	768
349	184TC-R0402	SIR0402A005349	867
320		SIR0402A005320	946
307	184TC-R0402	SIR0402A005307	986
276		SIR0402A005276	1097
238	184TC-R0402	SIR0402A005238	1272
215		SIR0402A005215	1408
193	184TC-R0402	SIR0402A005193	1568
173		SIR0402A005173	1749
156	184TC-R0602	SIR0602A005152	1940
142		SIR0602A005142	2131
123	184TC-R0602	SIR0702A005123	2460
106		SIR0702A005106	2855
100	184TC-R0702	SIR0702A005100	3026
89		SIR0702A005089	3400
78	184TC-R0702	SIR0702A005078	3880
63		SIR0702A005063	4804
53	184TC-R0702	SIR0702A005053	5710
49		SIR0702A005049	6176
39	184TC-G0802	SIG0802A005039	7760
36		SIG0802A005036	8407
31	184TC-G0802	SIG0802A005031	9763

7.5 Horsepower			
F/L RPM	Double REDUCTION		Output Torque
	Frame	Model No.	
860	213TC-R0602	SIR0602AY75860	528
768		SIR0602AY75768	591
684	213TC-R0602	SIR0602AY75684	664
608		SIR0602AY75608	747
539	213TC-R0602	SIR0602AY75539	799
475		SIR0602AY75475	956
436	213TC-R0602	SIR0602AY75436	1041
381		SIR0602AY75381	1191
346	213TC-R0602	SIR0602AY75346	1312
315		SIR0602AY75315	1441
298	213TC-R0602	SIR0602AY75298	1523
280		SIR0602AY75280	1621
249	213TC-R0602	SIR0602AY75249	1823
221		SIR0602AY75221	2054
195	213TC-R0602	SIR0602AY75195	2328
178		SIR0602AY75178	2550
156	213TC-R0702	SIR0602AY75156	2910
142		SIR0602AY75142	3197
125	213TC-R0702	SIR0702AY75125	3632
106		SIR0702AY75106	4283
100	213TC-R0702	SIR0702AY75100	4540
89		SIR0702AY75089	5101
78	213TC-R0702	SIR0702AY75078	5820
62	213TC-G0802	SIG0802AY75062	7322
53		SIG0802AY75053	8565
48	213TC-G0802	SIG0802AY75048	9458
39		SIG0802AY75039	11640
36	213TC-G0802	SIG0802AY75036	12610
29	213TC-H0902	SIH0902AY75029	15654

10 Horsepower			
F/L RPM	Double REDUCTION		Output Torque
	Frame	Model No.	
860	215TC-R0602	SIR0602A010860	704
768		SIR0602A010768	788
684	215TC-R0602	SIR0602A010684	885
608		SIR0602A010608	996
539	215TC-R0602	SIR0602A010539	1066
475		SIR0602A010475	1274
436	215TC-R0602	SIR0602A010436	1388
381		SIR0602A010381	1589
346	215TC-R0602	SIR0602A010346	1749
315		SIR0602A010315	1922
298	215TC-R0602	SIR0602A010298	2031
280		SIR0602A010280	2162
249	215TC-R0602	SIR0602A010249	2431
221		SIR0602A010221	2739
195	215TC-R0602	SIR0602A010195	3104
178		SIR0602A010178	3363
157	215TC-R0702	SIR0702A010157	3855
137		SIR0702A010137	4418
125	215TC-R0702	SIR0702A010125	5044
106		SIR0702A010106	5948
100	215TC-R0702	SIR0702A010100	6053
84	215TC-G0802	SIG0802A010084	7206
75		SIG0802A010075	8070
62	215TC-G0802	SIH0902A010062	9763
53		SIH0902A010053	11420
48	215TC-G0802	SIH0902A010048	12610
39	215TC-H0902	SIH0902A010039	15520
36		SIH0902A010036	16813
32	215TC-H0902	SIH0902A010032	18915

Note: All gearmotors listed are 1725 Rpm, 3 Phase, 60Hz, 208-230/460 Volt, Totally Enclosed Fan Cooled Enclosure
Output Torque in Inch Pounds

**Sterli-Seal ® (Inverter Duty 10:1 Constant Torque 6-60 Hz. Operation)
AGMA Class I Rated**

15 Horsepower			
F/L RPM	Single/Double REDUCTION		Output Torque
	Frame	Model No.	
902	254TC-R0702	SIR0702A015902	1007
719	254TC-R0702	SIR0702A015719	1263
640		SIR0702A015640	1419
568	254TC-R0702	SIR0702A015568	1598
502		SIPR0702A01502	1809
351	254TC-R0702	SIR0702A015351	2587
314		SIR0702A015314	2855
280	254TC-R0702	SIR0702A015280	3243
249		SIR0702A015249	3646
221	254TC-R0702	SIR0702A015221	4108
195		SIR0702A015195	4656
153	254TC-G0802	SIG0802A015153	5934
135		SIG0802A015135	6725
116	254TC-G0802	SIG0802A015116	7827
105		SIG0802A015105	8647
96	254TC-G0802	SIG0802A015096	9458
85		SIG0802A015085	10681
75	254TC-G0802	SIG0802A015075	12106
61	254TC-H0902	SIH0902A015061	14884
54		SIH0902A015054	16813
49	254TC-H0902	SIH0902A015049	18529
41	254TC-H1002	SIH1002A015041	22144
37		SIH1002A015037	24538
34	254TC-H1002	SIH1002A015034	26704

20 Horsepower			
F/L RPM	Single/Double REDUCTION		Output Torque
	Frame	Model No.	
902	256TC-R0702	SIR0702A020902	1342
719		SIR0702A020719	1684
640	256TC-R0702	SIR0702A020640	1892
568		SIR0702A020568	2131
502	256TC-R0702	SIR0702A020502	2411
351		SIR0702A020351	3449
314	256TC-R0702	SIR0702A020314	3855
280		SIR0702A020280	4323
210	256TC-G0802	SIG0802A020210	5765
187		SIG0802A020187	6474
153	256TC-G0802	SIG0802A020153	7912
135		SIG0802A020135	8967
116	256TC-G0802	SIG0802A020116	10436
105		SIG0802A020105	11529
94	256TC-H0902	SIH0902A020094	12878
84		SIH0902A020084	14411
76	256TC-H0902	SIH0902A020076	15928
67		SIH0902A020067	18068
60	256TC-H0902	SIH0902A020060	20176
56	256TC-H1002	SIH1002A020056	21617
49		SIH1002A020049	24705
47	256TC-H1002	SIH1002A020047	25757
40		SIH1002A020040	30264
36	256TC-H1002	SIH1002A020036	33627

25 Horsepower			
F/L RPM	DOUBLE REDUCTION		Output Torque
	Frame	Model No.	
859	284TC-H0902	SIH0902A025859	1762
766		SIH0902A025766	1975
683	284TC-H0902	SIH0902A025683	2216
589		SIH0902A025589	2569
530	284TC-H0902	SIH0902A025530	2855
475	284TC-G0802	SIG0802A025475	3186
335		SIG0802A025335	4517
302	284TC-G0802	SIG0802A025302	5011
271		SIG0802A025271	5584
210	284TC-G0802	SIG0802A025210	7206
187		SIG0802A025187	8092
152	284TC-G0802	SIG0802A025152	9955
137	284TC-H0902	SIH0902A025137	11045
120		SIH0902A025120	12610
105	284TC-H0902	SIH0902A025105	14411
94		SIH0902A025094	16098
84	284TC-H0902	SIH0902A025084	18014
76		SIH0902A025076	19911
67	284TC-H1002	SIH1002A025067	22585
58		SIH1002A025058	26090
56	284TC-H1002	SIH1002A025056	27021
49		SIH1002A025049	30882
47	284TC-H1002	SIH1002A025047	32196

30 Horsepower			
F/L RPM	DOUBLE REDUCTION		Output Torque
	Frame	Model No.	
859	286TC-H0902	SIH0902A030859	2114
766		SIH0902A030766	2371
683	286TC-H0902	SIH0902A030683	2659
589		SIH0902A030589	3083
530	286TC-H0902	SIH0902A030530	3426
474		SIH0902A030474	3831
428	286TC-H0902	SIH0902A030428	4243
381		SIH0902A030381	4766
344	286TC-H0902	SIH0902A030344	5279
307		SIH0902A030307	5915
264	286TC-H0902	SIH0902A030264	6878
236		SIH0902A030236	7694
212	286TC-H0902	SIH0902A030212	8565
190		SIH0902A030190	9557
170	286TC-H0902	SIH0902A030170	10681
149		SIH0902A030149	12187
137	286TC-H0902	SIH0902A030137	13254
120		SIH0902A030120	15132
105	286TC-H0902	SIH0902A030105	17294
95	286TC-H1002	SIH1002A030095	19114
90		SIH1002A030090	20176
81	286TC-H1002	SIH1002A030081	22418
67		SIH1002A030067	27102
58	286TC-H1002	SIH1002A030058	31308
56		SIH1002A030056	42426
49	286TC-H1002	SIH1002A030049	37058

Note: All gearmotors listed are 1725 Rpm, 3 Phase, 60Hz, 208-230/460 Volt, Totally Enclosed Fan Cooled Enclosure
Output Torque in Inch Pounds.

**Sterli-Seal ® (Inverter Duty 10:1 Constant Torque 6-60 Hz. Operation)
AGMA Class I Rated**

40 Horsepower			
F/L RPM	DOUBLE REDUCTION		Output Torque
	Frame	Model No.	
859	324TC-H0902	SIH0902A040859	2819
766		SIH0902A040766	3161
683	324TC-H0902	SIH0902A040683	3545
589		SIH0902A040589	4111
530	324TC-H0902	SIH0902A040530	4568
474		SIH0902A040474	5108
428	324TC-H0902	SIH0902A040428	5657
381		SIH0902A040381	6355
344	324TC-H0902	SIH0902A040344	7038
307		SIH0902A040307	7886
264	324TC-H0902	SIH0902A040264	9171
236		SIH0902A040236	10259
212	324TC-H0902	SIH0902A040212	11420
190		SIH0902A040190	12742
170	324TC-H0902	SIH0902A040170	14242
149		SIH0902A040149	16249
137	324TC-H0902	SIH0902A040137	17672
120		SIH0902A040120	20176
106	324TC-H1002	SIH1002A040106	22841
95		SIH1002A040095	25485
90	324TC-H1002	SIH1002A040090	26901
81		SIH1002A040081	29890
68	324TC-H1302	SIH1302A040068	35605
61		SIH1302A040061	39690
54	324TC-H1302	SIH1302A040054	44836
49		SIH1302A040049	49411
44	324TC-H1302	SIH1302A040044	55025

50 Horsepower			
F/L RPM	DOUBLE REDUCTION		Output Torque
	Frame	Model No.	
859	326TC-H0902	SIH0902A050859	3523
766		SIH0902A050766	3951
683	326TC-H0902	SIH0902A050683	4431
589		SIH0902A050589	5138
530	326TC-H0902	SIH0902A050530	5710
474		SIH0902A050474	6385
428	326TC-H0902	SIH0902A050428	7071
381		SIH0902A050381	7943
344	326TC-H0902	SIH0902A050344	8798
307		SIH0902A050307	9858
264	326TC-H0902	SIH0902A050264	11464
236		SIH0902A050236	12824
212	326TC-H0902	SIH0902A050212	14275
190		SIH0902A050190	15928
165	326TC-H1002	SIH1002A050165	18342
146		SIH1002A050148	20729
139	326TC-H1002	SIH1002A050139	21773
123		SIH1002A050123	24605
106	326TC-H1002	SIH1002A050106	28551
95		SIH1002A050095	31857
90	326TC-H1002	SIH1002A050090	33627
81		SIH1002A050081	37363
61	326TC-H1302	SIH1302A050061	49613
54		SIH1302A050054	56044

Note: All gearmotors listed are 1725 Rpm, 3 Phase, 60Hz, 208-230/460 Volt, Totally Enclosed Fan Cooled Enclosure
Output Torque in Inch Pounds.

	2000HG HELICAL GEAR REDUCER RATINGS										A28
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DOUBLE REDUCTION TABLE

Frame Size		R0402						R0602					
Nom. Ratio	Input RPM	Output RPM	Exact Ratio	Max. Input HP	Thermal HP Rating*†	In. Lbs. Output Torque	Max NEMA Frame	Output RPM	Exact Ratio	Max. Input HP	Thermal HP Rating*†	In. Lbs. Output Torque	Max NEMA Frame
2.0	3500	1801	1.943	14.30	*	471	180TC	1722	2.033	25.12	*	865	210TC
	1750	900		11.27	10.50	742		860		20.47	17.50	1410	
	1160	597		9.28	10.00	921		570		17.23	16.90	1790	
	875	450		7.92	9.70	1043		430		14.94	16.40	2058	
2.2	3500	1635	2.141	14.05	*	509	180TC	1536	2.278	24.71	*	954	210TC
	1750	817		10.98	10.50	797		768		19.96	17.50	1540	
	1160	542		8.99	10.00	984		509		16.69	16.90	1943	
	875	409		7.65	9.70	1109		384		14.41	16.40	2225	
2.5	3500	1412	2.479	13.58	*	570	180TC	1369	2.557	24.09	*	1043	210TC
	1750	705		10.48	10.50	880		684		19.27	17.50	1669	
	1160	468		8.51	10.00	1078		454		16.01	16.90	2092	
	875	353		7.20	9.70	1209		342		13.76	16.40	2383	
2.8	3500	1215	2.881	12.98	*	633	180TC	1217	2.877	23.62	*	1151	210TC
	1750	607		9.88	10.50	964		608		18.69	17.50	1822	
	1160	403		7.94	10.00	1169		403		15.42	16.90	2267	
	875	304		6.68	9.700	1304		304		13.19	16.40	2570	
3.2	3500	1096	3.194	12.57	*	680	180TC	1078	3.248	22.94	*	1262	210TC
	1750	547		9.46	10.50	1023		539		17.94	17.50	1973	
	1160	363		7.56	10.00	1233		357		14.68	16.90	2437	
	875	274		6.33	9.70	1369		269		12.49	16.40	2748	
3.6	3500	986	3.551	12.34	*	742	180TC	951	3.681	22.23	*	1386	210TC
	1750	493		9.18	10.5	1104		475		17.16	17.50	2139	
	1160	327		7.29	10.0	1322		315		13.92	16.90	2619	
	875	246		6.07	9.7	1461		238		11.78	16.40	2938	
4.0	3500	883	3.963	12.09	*	812	180TC	872	4.015	21.62	*	1470	210TC
	1750	442		8.89	10.5	1193		436		16.53	17.50	2247	
	1160	293		7.00	10.0	1417		289		13.33	16.90	2735	
	875	221		5.81	9.7	1559		218		11.23	16.40	3055	
4.5	3500	788	4.444	11.33	*	852	180TC	761	4.598	20.67	*	1609	210TC
	1750	394		8.21	10.50	1236		381		15.56	17.50	2422	
	1160	261		6.41	10.00	1457		252		12.43	16.90	2920	
	875	197		11.33	9.70	1594		190		20.67	16.40	3241	
5.0	3500	698	5.012	10.46	*	888	180TC	692	5.056	20.36	*	1743	210TC
	1750	349		7.47	10.50	1268		346		15.14	17.50	2593	
	1160	231		5.79	10.00	1482		229		12.02	16.90	3104	
	875	175		4.75	9.70	1613		173		9.82	16.40	3364	
5.4	3500	640	5.466	14.05	*	1300	180TC	630	5.559	24.71	*	2327	210TC
	1750	320		9.54	10.50	1766		315		16.10	17.50	3031	
	1160	212		7.03	10.00	1963		209		13.00	16.90	3692	
	875	160		5.60	9.70	2075		157		10.47	16.40	3944	
5.8	3500	615	5.694	9.59	*	925	180TC	595	5.880	19.50	*	1942	210TC
	1750	307		6.74	10.50	1300		298		14.23	17.50	2834	
	1160	204		5.17	10.00	1505		197		10.91	16.90	3279	
	875	154		4.22	9.70	1630		149		8.67	16.40	3455	
6.3	3500	553	6.330	13.54	*	1451	180TC	561	6.240	24.09	*	2546	210TC
	1750	276		8.58	10.46	1840		280		14.90	17.50	3150	
	1160	183		6.26	9.92	2024		186		11.92	16.90	3800	
	875	138		4.96	9.65	2126		140		9.55	16.40	4036	
7.2	3500	476	7.356	12.38	*	1542	180TC	499	7.021	22.82	*	2713	210TC
	1750	238		7.67	10.46	1912		249		13.73	17.50	3266	
	1160	158		5.53	9.92	2080		165		10.88	16.90	3904	
	875	119		4.36	9.65	2173		125		8.67	16.40	4124	
8.0	3500	429	8.154	11.61	*	1603	180TC	442	7.925	21.33	*	2862	210TC
	1750	215		7.09	10.46	1958		221		12.59	17.50	3380	
	1160	142		5.08	9.92	2116		146		9.88	16.90	4003	
	875	107		3.99	9.65	2202		110		7.84	16.40	4207	
9.0	3500	386	9.066	10.83	*	1663	180TC	390	8.984	19.81	*	3014	210TC
	1750	193		6.52	10.46	2003		195		11.47	17.50	3492	
	1160	128		4.64	9.92	2151		129		8.93	16.90	4098	
	875	97		3.63	9.65	2230		97		7.04	16.40	4286	
10	3500	346	10.118	10.06	*	1724	180TC	357	9.797	18.78	*	3116	210TC
	1750	173		5.97	10.46	2046		178		10.74	17.50	3565	
	1160	115		4.22	9.92	2184		118		8.31	16.90	4160	
	875	86		3.29	9.65	2257		89		6.53	16.40	4337	
11	3500	308	11.346	9.29	*	1785	180TC	312	11.219	17.22	*	3272	210TC
	1750	154		5.43	10.46	2088		156		9.66	17.50	3672	
	1160	102		3.82	9.92	2215		103		7.41	16.90	4249	
	875	77		2.97	9.65	2282		78		5.80	16.40	4410	
12	3500	274	12.797	8.52	*	1846	180TC	284	12.337	16.16	*	3377	210TC
	1750	137		4.91	10.46	2129		142		8.96	17.50	3743	
	1160	91		3.43	9.92	2246		94		6.83	16.90	4307	
	875	68		2.66	9.65	2307		71		5.33	16.40	4457	
14	3500	235	14.863	4.47	7.37	1125	180TC	246	14.216	10.60	12.30	2552	210TC
	1750	118		2.76	10.46	1389		123		6.84	17.40	3291	
	1160	78		1.99	9.92	1508		82		5.02	16.60	3648	
	875	59		1.56	9.65	1574		62		3.97	16.10	3825	

* CONSULT FACTORY- Thermal ratings are a measure of the units ability to dissipate heat. If they are exceeded the lubrication may breakdown resulting in premature gear failure. † Stainless Steel constructed units have a reduced thermal rating – Consult factory

A29

2000HG HELICAL GEAR REDUCER RATINGS

DOUBLE REDUCTION TABLE

Frame Size		R0402						R0602					
Nom. Ratio	Input RPM	Output RPM	Exact Ratio	Max. Input HP	Thermal HP Rating*†	In. Lbs. Output Torque	Max NEMA Frame	Output RPM	Exact Ratio	Max. Input HP	Thermal HP Rating*†	In. Lbs. Output Torque	Max NEMA Frame
17	3500	206	16.992	3.48	7.37	1000	180TC	200	17.488	7.89	12.30	2336	210TC
	1750	103		2.11	10.46	1214		100		4.94	17.40	2928	
	1160	68		1.51	9.92	1308		66		3.58	16.60	3202	
	875	51		1.18	9.65	1359		50		2.83	16.10	3353	
18	3500	195	17.919	6.58	7.37	1998	180TC	195	17.925	12.37	12.30	3755	210TC
	1750	98		3.67	10.46	2227		98		6.56	17.40	3982	
	1160	65		2.53	9.92	2317		65		4.91	16.60	4499	
	875	49		1.95	9.65	2363		49		3.80	16.10	4610	
20	3500	183	19.081	2.87	7.37	927	180TC	180	19.419	6.89	12.30	2268	210TC
	1750	92		1.72	10.46	1109		90		4.26	17.40	2802	
	1160	61		1.22	9.92	1188		60		3.07	16.60	3044	
	875	46		0.95	9.65	1230		45		2.41	16.10	3176	
22	3500	154	22.747	5.42	7.37	2089	180TC	162	21.651	10.70	12.30	3922	210TC
	1750	77		2.96	10.46	2283		81		5.56	17.40	4081	
	1160	51		2.03	9.92	2356		54		4.14	16.60	4576	
	875	38		1.55	9.65	2394		40		3.18	16.10	4671	
26	3500	128	27.308	4.65	7.37	2150	180TC	130	26.867	8.99	12.30	4092	210TC
	1750	64		2.51	10.46	2319		65		4.59	17.40	4178	
	1160	42		1.71	9.92	2382		43		3.39	16.60	4650	
	875	32		1.30	9.65	2413		33		2.60	16.10	4729	
32	3500	104	33.692	3.87	7.37	2211	180TC	110	31.681	7.84	12.30	4207	210TC
	1750	52		2.06	10.46	2354		55		3.95	17.40	4241	
	1160	34		1.40	9.92	2406		37		2.90	16.60	4699	
	875	26		1.07	9.65	2432		28		2.22	16.10	4767	
36	3500	92	37.949	3.49	7.37	2241	180TC	101	34.690	7.26	12.30	4265	210TC
	1750	46		1.84	10.46	2371		50		3.64	17.40	4273	
	1160	31		1.25	9.92	2418		33		2.66	16.60	4723	
	875	23		0.95	9.65	2441		25		2.04	16.10	4785	
42	3500	81	43.385	3.09	7.37	2273	180TC	82	42.675	6.07	12.30	4384	210TC
	1750	40		1.62	10.46	2388		41		3.00	17.40	4336	
	1160	27		1.10	9.92	2430		27		2.19	16.60	4770	
	875	20		0.83	9.65	2450		21		1.67	16.10	4822	
50	3500	72	48.718	2.78	7.37	2297	180TC	74	47.386	5.53	12.30	4437	210TC
	1750	36		1.46	10.46	2401		37		2.72	17.40	4364	
	1160	24		0.98	9.92	2439		24		1.98	16.60	4791	
	875	18		0.74	9.65	2457		18		1.51	16.10	4838	
54	3500	63	55.385	2.47	7.37	2321	180TC	66	53.143	4.99	12.30	4491	210TC
	1750	32		1.29	10.46	2415		33		2.44	17.40	4392	
	1160	21		0.86	9.92	2448		22		1.77	16.60	4812	
	875	16		0.66	9.65	2464		16		1.35	16.10	4854	

* CONSULT FACTORY- Thermal ratings are a measure of the units ability to dissipate heat. If they are exceeded the lubrication may breakdown resulting in premature gear failure.

† Stainless Steel constructed units have a reduced thermal rating – Consult factory.

DOUBLE REDUCTION TABLE

Frame Size			R0702					G0802					
Nom. Ratio	Input RPM	Output RPM	Exact Ratio	Max. Input HP	Thermal HP Rating	In. Lbs. Output Torque	Max NEMA Frame	Output RPM	Exact Ratio	Max. Input HP	Thermal HP Rating	In. Lbs. Output Torque	Max NEMA Frame
2.0	3500	1804	1.940	25.85	*	849	250TC						
	1750	902		21.71	19.3	1426							
	1160	598		18.66	18.1	1850							
	875	451		16.44	17.6	2160							
2.2	3500	1612	2.172	25.92	*	953							
	1750	806		21.60	19.3	1589							
	1160	534		18.46	18.1	2049							
	875	403		16.19	17.6	2382							
2.5	3500	1438	2.434	26.09	*	1075	250TC						
	1750	719		21.55	19.3	1776							
	1160	477		18.30	18.1	2277							
	875	359		15.98	17.6	2635							
2.8	3500	1280	2.734	26.28	*	1217	250TC						
	1750	640		21.50	19.3	1991							
	1160	424		18.14	18.1	2534							
	875	320		15.76	17.6	2919							
3.2	3500	1136	3.080	26.41	*	1378	250TC						
	1750	568		21.37	19.3	2230							
	1160	377		17.90	18.1	2818							
	875	284		15.47	17.6	3229							
3.6	3500	1005	3.484	26.69	*	1575	250TC	951	3.678	65.7	*	4160	250TC
	1750	502		21.35	19.3	2520							
	1160	333		17.74	18.1	3158							
	875	251		15.24	17.6	3598							
4.0	3500	923	3.793	26.73	*	1717	210TC						
	1750	461		21.19	19.3	2723							
	1160	306		17.50	18.1	3393							
	875	231		14.98	17.6	3851							
4.5	3500	808	4.331	27.75	*	2035	210TC						
	1750	404		21.68	19.3	3181							
	1160	268		17.74	18.1	3927							
	875	202		27.75	17.6	4428							
5.0	3500	702	4.985	28.26	*	2386	210TC	671	5.214	65.7	*	5930	250TC
	1750	351		21.74	19.3	3670							
	1160	233		17.60	18.1	4483							
	875	176		14.59	17.6	4928							
5.4	3500	628	5.572	31.11	*	2936	250TC						
	1750	314		21.70	19.3	4097							
	1160	208		16.60	18.1	4727							
	875	157		13.53	17.6	5106							
5.8	3500	636	5.504	27.39	*	2553	210TC	604	5.792	65.4	*	6570	250TC
	1750	318		20.81	19.3	3879							
	1160	211		16.72	18.1	4703							
	875	159		13.50	17.6	5034							
6.3	3500	560	6.246	29.56	*	3127	250TC	543	6.442	61.7	27.7	6900	250TC
	1750	280		20.23	19.3	4279							
	1160	186		15.31	18.1	4886							
	875	140		12.40	17.6	5246							
7.2	3500	499	7.016	30.30	*	3600	250TC						
	1750	249		20.33	19.3	4831							
	1160	165		15.32	18.1	5461							
	875	125		12.26	17.6	5827							
8.0	3500	443	7.904	28.53	*	3819	250TC	420	8.330	53.1	27.7	7680	250TC
	1750	221		18.77	19.3	5024							
	1160	147		13.92	18.1	5622							
	875	111		11.14	17.6	5966							
9.0	3500	391	8.941	26.71	*	4044	250TC	374	9.352	49.4	27.7	8020	250TC
	1750	195		17.22	19.3	5215							
	1160	130		12.65	18.1	5779							
	875	98		10.07	17.6	6098							
10	3500	360	9.733	25.46	*	4197	210TC						
	1750	180		16.20	19.3	5341							
	1160	119		11.82	18.1	5881							
	875	90		9.38	17.6	6183							
11	3500	315	11.114	23.55	*	4433	210TC	305	11.47	43.1	27.7	8590	250TC
	1750	157		14.68	19.3	5528							
	1160	104		10.62	18.1	6030							
	875	79		8.38	17.6	6307							
12	3500	274	12.790	21.59	*	4676	210TC	270	12.92	39.3	27.7	8820	250TC
	1750	137		13.19	19.3	5713							
	1160	91		9.45	18.1	6175							
	875	68		7.42	17.6	6426							
14	3500	250	13.986	19.64	13.5	4653	210TC	232	15.04	35.5	27.7	9280	250TC
	1750	125		13.09	19.0	6202							
	1160	83		9.77	18.1	6986							
	875	63		7.85	17.6	7440							
17	3500	213	16.444	14.19	13.5	3953	210TC	209	16.69	32.9	27.7	9540	250TC
	1750	106		9.24	19.0	5145							
	1160	71		6.82	18.1	5727							
	875	53		5.44	17.6	6058							
18	3500	200	17.515	18.23	13.5	5409	210TC	191	18.26	30.3	27.7	9620	250TC
	1750	100		10.69	19.0	6341							
	1160	66		7.52	18.1	6732							
	875	50		5.85	17.6	6938							

* CONSULT FACTORY- Thermal ratings are a measure of the units ability to dissipate heat. If they are exceeded the lubrication may breakdown resulting in premature gear failure.

DOUBLE REDUCTION TABLE

Frame Size		R0702						G0802					
Nom. Ratio	Input RPM	Output RPM	Exact Ratio	Max. Input HP	Thermal HP Rating *	In. Lbs. Output Torque	Max NEMA Frame	Output RPM	Exact Ratio	Max. Input HP	Thermal HP Rating *	In. Lbs. Output Torque	Max NEMA Frame
20	3500	177	19.755	12.08	13.5	4041	210TC	169	20.66	27.8	27.7	9970	250TC
	1750	89		7.65	19.0	5122		84		17.5	39.0	12600	
	1160	59		5.58	18.1	5629		56		11.9	37.3	12900	
	875	44		4.42	17.6	5913		42		8.97	36.1	12900	
22	3500	156	22.415	15.23	13.5	5780	210TC	150	23.32	25.2	27.7	10200	250TC
	1750	78		8.68	19.0	6589		75		15.9	39.0	12900	
	1160	52		6.04	18.1	5915		49		11.1	37.3	13600	
	875	39		4.67	17.6	7084		37		8.36	36.1	13600	
28	3500	126	27.804	12.89	13.5	6069	210TC	123	28.27	21.2	27.7	10400	250TC
	1750	63		7.19	19.0	6772		61		13.4	39.0	13200	
	1160	42		4.96	18.1	7048		41		9.94	37.3	14800	
	875	31		3.82	17.6	7189		30		7.50	36.1	14800	
32	3500	107	32.779	11.29	13.5	6267	210TC	106	32.97	18.6	27.7	10700	250TC
	1750	53		6.21	19.0	6894		53		11.7	39.0	13500	
	1160	35		4.26	18.1	7134		35		8.68	37.3	15000	
	875	27		3.27	17.6	7257		26		6.55	36.1	15000	
36	3500	98	35.889	10.48	13.5	6367	210TC	96	36.21	17.3	27.7	10900	250TC
	1750	49		5.72	19.0	6954		48		10.9	39.0	13700	
	1160	32		3.91	18.1	7177		32		7.91	37.3	15000	
	875	24		3.00	17.6	7290		24		5.97	36.1	15000	
45	3500	83	42.195	9.14	13.5	6532	210TC	78	44.38	14.5	27.7	11100	250TC
	1750	41		4.93	19.0	7051		39		9.11	39.0	14100	
	1160	27		3.36	18.1	7245		26		6.45	37.3	15000	
	875	21		2.57	17.6	7343		19		4.87	36.1	15000	
50	3500	69	50.691	7.80	13.5	6697	210TC	72	48.46	13.4	27.7	11200	250TC
	1750	35		4.16	19.0	7146		36		8.42	39.0	14200	
	1160	29		2.82	18.1	7312		23		5.92	37.3	15000	
	875	17		2.15	17.6	7394		18		4.46	36.1	15000	
56	3500	62	56.213	7.12	13.5	6781	210TC	62	55.80	11.7	27.7	11300	250TC
	1750	31		3.78	19.0	7194		31		6.97	39.0	13500	
	1160	21		2.56	18.1	7345		20		4.71	37.3	13700	
	875	16		1.95	17.6	7420		15		3.55	36.1	13700	

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2000HG HELICAL GEAR REDUCER RATINGS

A32

DOUBLE REDUCTION TABLE

Frame Size		H0902						H1002					
Nom. Ratio	Input RPM	Output RPM	Exact Ratio	Max. Input HP	Thermal HP Rating *	In. Lbs. Output Torque	Max NEMA Frame	Output RPM	Exact Ratio	Max. Input HP	Thermal HP Rating *	In. Lbs. Output Torque	Max NEMA Frame
1.8	3500	1718	2.036	146	*	4430	320TC	1737	2.015	249	*	8780	320TC
	1750	859		92.1		5620		868		127		8940	
	1160	569		70		6460		575		83.9		8950	
	875	429		58		7110		434		63.3		8960	
2.2	3500	1533	2.282	125	*	4690	320TC	1597	2.191	238	*	9150	320TC
	1750	766		78.7		5940		798		127		9730	
	1160	508		59.8		6840		529		83.9		9740	
	875	383		49.6		7520		399		63.3		9750	
2.5	3500	1366	2.562	118	*	4950	320TC	1406	2.489	223	*	9710	
	1750	683		74.3		6270		703		127		11100	
	1160	452		56.4		7220		466		83.9		11100	
	875	341		46.8		7940		351		63.3		11100	
2.8	3500	1178	2.969	111	*	7530	320TC	1169	2.992	253	*	13200	
	1750	589		69.8		9570		584		127		13200	
	1160	390		53.1		11000		387		83.9		13200	
	875	294		44		12100		292		63.3		13200	
3.2	3500	1060	3.301	146	*	5570	320TC	1079	3.242	191	*	10800	
	1750	530		92.1		7060		539		120		13700	
	1160	351		70		8120		357		80.7		13900	
	875	265		58		8930		269		60.8		13900	
3.6	3500	933	3.688	89.1	*	5740	320TC	1000	3.500	180	*	11000	320TC
	1750	466		56.2	56.2	7280		500		113	75.7	13900	
	1160	309		42.7	53.6	8360		331		74.7	72.4	13900	
	875	233		35.4	52.0	9200		250		56.3	70.1	13900	
4.0	3500	856	4.088	125	*	8880	320TC	837	4.179	244	*	17800	320TC
	1750	428		78.7		11300		418		127		18500	
	1160	283		59.8		12900		277		83.9		18500	
	875	214		49.6		14200		209		63.3		18500	
4.5	3500	763	4.582	118	*	9410	320TC	770	4.545	232	*	18400	320TC
	1750	381		74.3		11900		385		127		20100	
	1160	253		56.4		13700		255		83.9		20100	
	875	190		46.8		15100		192		63.3		20200	
5.0	3500	690	5.073	125	*	11000	320TC	708	4.938	220	*	18900	320TC
	1750	345		78.7	56.2	14000		354		127	75.7	21800	
	1160	228		59.8	53.6	16000		234		83.9	72.4	21900	
	875	172		49.6	52.0	17700		177		63.3	70.1	21900	
5.6	3500	607	5.686	118	*	11700	320TC	651	5.370	209	*	19600	320TC
	1750	303		74.3	56.2	14800		325		127	75.7	23800	
	1160	201		56.4	53.6	17000		215		83.9	72.4	23800	
	875	151		46.8	52.0	18700		162		63.3	70.1	23800	
6.3	3500	536	6.628	96.6	39.3	11200	320TC	520	6.724	182	52.9	21300	320TC
	1750	268		60.9	55.4	14100		260		112	74.5	26300	
	1160	177		46.3	52.8	16300		172		83.6	71.2	29700	
	875	134		38.4	51.2	17900		130		63.3	68.9	29900	
8.0	3500	419	8.224	96.6	39.3	13900	320TC	440	7.945	163	52.9	22600	320TC
	1750	209		60.5	55.4	17400		220		100	74.5	27800	
	1160	138		45.3	52.8	19700		145		75.1	71.2	31500	
	875	104		37.1	51.2	21500		110		61.6	68.9	34300	
9.0	3500	389	9.188	89.1	39.3	14300	320TC	408	8.578	155	52.9	23200	320TC
	1750	194		56.2	55.4	18100		204		95.5	74.5	28600	
	1160	128		42.2	52.8	20500		135		71.5	71.2	32400	
	875	97		34.6	51.2	22300		102		58.7	68.9	35200	
11	3500	308	11.71	65.5	39.3	13400	320TC	292	11.98	125	52.9	26100	320TC
	1750	154		41.3	55.4	16900		146		76.5	74.5	32100	
	1160	102		31.4	52.8	19500		96		52.7	71.2	33400	
	875	77		26	51.2	21400		73		39.7	68.9	33400	
12	3500	271	12.74	72.0	39.3	16000	320TC	279	12.51	121	52.9	26400	320TC
	1750	135		45.3	55.4	20200		139		74.3	74.5	32500	
	1160	90		34.0	52.8	22900		92		55.7	71.2	36800	
	875	67		27.9	51.2	24900		69		44.6	68.9	39100	
14	3500	237	14.53	65.5	39.3	16600	320TC	247	14.16	112	52.9	27500	320TC
	1750	118		41.3	55.4	21000		123		68.5	74.5	33900	
	1160	78		31.1	52.8	23900		81		51.3	71.2	38400	
	875	59		24.8	51.2	25300		61		39.4	68.9	39100	
16	3500	213	16.59	50.0	39.3	14500	320TC	213	16.43	101	52.9	28900	320TC
	1750	106		31.5	55.4	18300		106		58.1	74.5	33400	
	1160	70		24.0	52.8	21000		70		38.5	71.2	33400	
	875	53		19.9	51.2	23100		53		29.0	68.9	33400	
18	3500	193	18.43	45.5	39.3	14700	320TC	191	18.25	91.9	52.9	29300	320TC
	1750	96		28.7	55.4	18500		95		52.3	74.5	33400	
	1160	64		21.8	52.8	21300		63		34.7	71.2	33400	
	875	48		18.1	51.2	23400		47		26.1	68.9	33400	
20	3500	176	20.59	50.0	39.3	18000	320TC	180	19.41	90.2	52.9	30500	320TC
	1750	88		31.5	55.4	22700		90		55.4	74.5	37600	
	1160	58		23.2	52.8	25300		59		38.2	71.2	39100	
	875	44		17.5	51.2	25300		45		28.8	68.9	39100	
22	3500	150	22.87	45.5	39.3	18200	320TC	162	21.57	84.0	52.9	31600	320TC
	1750	75		28.7	55.4	23000		81		51.6	74.5	38900	
	1160	49		20.9	52.8	25300		53		34.4	71.2	39100	
	875	37		15.8	51.2	25300		40		25.9	68.9	39100	
28	3500	125	28.74	31.4	39.3	15800	320TC	116	29.99	60.8	52.9	31700	320TC
	1750	62		19.8	55.4	19900		58		31.9	74.5	33400	
	1160	41		15.1	52.8	22900		38		21.1	71.2	33400	
	875	31		11.6	51.2	23400		29		15.9	68.9	33400	
32	3500	107	32.31	34.4	39.3	19300	320TC	113	30.76	65.9	52.9	35300	320TC
	1750	53		21.6	55.4	24400		56		36.4	74.5	39100	
	1160	35		14.9	52.8	25300		37		24.1	71.2	39100	
	875	26		11.2	51.2	25300		28		18.2	68.9	39100	

DOUBLE REDUCTION TABLE

Frame Size		H0902						H1002					
Nom. Ratio	Input RPM	Output RPM	Exact Ratio	Max. Input HP	Thermal HP Rating *	In. Lbs. Output Torque	Max NEMA Frame	Output RPM	Exact Ratio	Max. Input HP	Thermal HP Rating *	In. Lbs. Output Torque	Max NEMA Frame
36	3500	98	35.67	31.4	39.3	19500	320TC	98	35.44	59.9	52.9	36900	320TC
	1750	49		19.8	55.4	24700		49		31.6	74.5	39100	
	1160	32		13.4	52.8	25300		32		21	71.2	39100	
	875	24		10.1	51.2	25300		24		15.8	68.9	39100	
40	3500	86	40.25	31.2	39.3	21800	320TC	94	37.06	57.1	52.9	36800	320TC
	1750	43		15.6	55.4	21800		47		28.6	74.5	36800	
	1160	28		10.3	52.8	21800		31		18.9	71.2	36800	
	875	21		7.79	51.2	21800		23		14.3	68.9	36800	
45	3500	78	44.44	28.2	39.3	21800	320TC	81	42.70	49.6	52.9	36800	320TC
	1750	39		14.1	55.4	21800		40		24.8	74.5	36800	
	1160	26		9.35	52.8	21800		27		16.4	71.2	36800	
	875	19		7.05	51.2	21900		20		12.4	68.9	36900	
50	3500	71	49.07	23.7	39.3	20200	320TC	73	47.93	45.2	52.9	37600	320TC
	1750	35		14.8	55.4	25300		36		22.6	74.5	37700	
	1160	23		9.8	52.8	25300		24		15	71.2	37700	
	875	17		7.39	51.2	25300		18		11.3	68.9	37700	
56	3500	63	55.18	19.9	39.3	19100	320TC	67	51.49	38.3	52.9	34200	320TC
	1750	31		9.37	55.4	18000		33		19.2	74.5	34200	
	1160	21		6.02	52.8	17400		22		12.7	71.2	34300	
	875	15		4.46	51.2	17100		16		9.59	68.9	34300	

* CONSULT FACTORY- Thermal ratings are a measure of the units ability to dissipate heat. If they are exceeded the lubrication may breakdown resulting in premature gear failure.

2000HG HELICAL GEAR REDUCER RATINGS

A34

DOUBLE REDUCTION TABLE

Frame Size		H1302						H1402					
Nom. Ratio	Input RPM	Output RPM	Exact Ratio	Max. Input HP	Thermal HP Rating *	In. Lbs. Output Torque	Max NEMA Frame	Output RPM	Exact Ratio	Max. Input HP	Thermal HP Rating *	In. Lbs. Output Torque	Max NEMA Frame
3.6	3500	961	3.638	304	*	19200	400TC	915	3.822	443	*	29400	400TC
	1750	480		152	96.1	19200		457		222	131.2	29500	
	1160	318		101	91.8	19300		303		147	125.3	29500	
	875	240		75.9	88.9	19300		228		111	121.4	29500	
5.0	3500	694	5.042	304	*	26600	400TC	656	5.333	443	*	41100	400TC
	1750	347		152	96.1	26700		328		222	131.2	41200	
	1160	230		101	91.8	26700		217		147	125.3	41200	
	875	173		75.9	88.9	26700		164		111	121.4	41200	
5.6	3500	631	5.538	304	*	29300	400TC	582	6.005	443	*	46300	400TC
	1750	315		152	96.1	29400		29		222	131.2	46400	
	1160	209		101	91.8	29400		193		147	125.3	46400	
	875	157		75.9	88.9	29400		145		111	121.4	46400	
6.3	3500	563	6.210	304	67.2	33000	400TC	534	6.548	443	91.7	50700	400TC
	1750	281		152	94.6	33000		267		222	129.1	50700	
	1160	186		101	90.3	33000		177		147	123.3	50700	
	875	140		75.9	87.5	33100		133		111	119.4	50700	
8.0	3500	449	7.779	304	67.2	41200	400TC	403	8.667	443	91.7	67000	400TC
	1750	224		152	94.6	41200		201		222	129.1	67000	
	1160	149		101	90.3	41200		133		147	123.3	67000	
	875	112		75.9	87.5	41300		100		111	119.4	67000	
9.0	3500	406	8.618	284	67.2	42700	400TC	363	9.623	437	91.7	73300	400TC
	1750	203		152	94.6	45700		181		222	129.1	74400	
	1160	134		101	90.3	45700		120		147	123.3	74400	
	875	101		75.9	87.5	45700		90		111	119.4	74400	
11	3500	312	11.20	252	67.2	49400	400TC	306	11.43	317	91.7	63100	400TC
	1750	156		134	94.6	52500		153		208	129.1	83000	
	1160	103		88.7	90.3	52500		101		147	123.3	88400	
	875	78		66.9	87.5	52500		76		111	119.4	88400	
12	3500	282	12.39	208	67.2	44900	400TC	262	13.32	347	91.7	80500	400TC
	1750	141		128	94.6	55300		131		195	129.1	90500	
	1160	93		86.2	90.3	56200		87		129	123.3	90500	
	875	70		65.0	87.5	56200		65		97.5	119.4	90500	
14	3500	249	14.03	201	67.2	49200	400TC	231	15.13	317	91.7	83400	400TC
	1750	124		114	94.6	55700		115		174	129.1	91900	
	1160	82		75.4	90.3	55700		76		116	123.3	91900	
	875	62		56.8	87.5	55700		57		87.2	119.4	91900	
16	3500	219	15.97	182	67.2	50800	400TC	213	16.43	240	91.7	68500	400TC
	1750	109		98.4	94.6	54900		106		158	129.1	90300	
	1160	72		65.2	90.3	54900		70		114	123.3	98200	
	875	54		49.2	87.5	54900		53		85.8	119.4	98200	
18	3500	194	18.00	175	67.2	54800	400TC	193	18.11	225	91.7	70700	400TC
	1750	97		87.3	94.6	54900		96		148	129.1	93300	
	1160	64		57.8	90.3	54900		64		103	123.3	98200	
	875	48		43.6	87.5	54900		48		77.8	119.4	98200	
20	3500	174	20.00	144	67.2	50000	400TC	160	21.75	240	91.7	90500	400TC
	1750	87		80.8	94.6	56200		80		124	129.1	93800	
	1160	57		53.5	90.3	56200		53		82.2	123.3	93800	
	875	43		40.4	87.5	56200		40		62.0	119.4	93800	
22	3500	155	22.55	137	67.2	53600	400TC	145	23.97	225	91.7	93400	400TC
	1750	77		71.6	94.6	56200		72		115	129.1	95300	
	1160	51		47.5	90.3	56200		48		75.9	123.3	95300	
	875	38		35.8	87.5	56200		36		57.2	119.4	95300	
28	3500	123	28.35	112	67.2	54900	400TC	134	26.07	152	91.7	74700	400TC
	1750	61		55.8	94.6	54900		67		90.0	129.1	88300	
	1160	40		36.9	90.3	54900		44		59.6	123.3	88300	
	875	30		27.9	87.5	54900		33		45.0	119.4	88300	
32	3500	109	31.89	101	67.2	55700	400TC	101	34.51	158	91.7	94300	400TC
	1750	54		50.9	94.6	56200		50		79.0	129.1	94300	
	1160	36		33.7	90.3	56200		33		52.3	123.3	94300	
	875	27		25.4	87.5	56200		25		39.5	119.4	94300	
36	3500	98	35.52	91.6	67.2	56200	400TC	93	37.39	148	91.7	95600	400TC
	1750	49		45.8	94.6	56200		46		73.8	129.1	95600	
	1160	32		30.3	90.3	56200		31		48.9	123.3	95600	
	875	24		22.9	87.5	56200		23		36.9	119.4	95600	
45	3500	80	43.45	71.0	67.2	53200	320TC	81	42.71	112	91.7	82600	400TC
	1750	40		38.2	94.6	57200		40		59.1	129.1	87200	
	1160	26		25.3	90.3	57200		27		40.2	123.3	89500	
	875	20		19.1	87.5	57200		20		30.3	119.4	89500	
50	3500	71	48.63	59.5	67.2	50100	320TC	68	51.27	81.1	91.7	71900	320TC
	1750	35		29.7	94.6	50100		34		40.6	129.1	72000	
	1160	23		19.7	90.3	50100		22		26.9	123.3	72000	
	875	17		14.9	87.5	50100		17		20.3	119.4	72000	
56	3500	67	51.74	59.5	67.2	53300	320TC	60	57.52	75.2	91.7	74700	320TC
	1750	33		29.7	94.6	53300		30		37.6	129.1	74700	
	1160	22		19.7	90.3	53300		20		24.9	123.3	74800	
	875	16		14.9	87.5	53400		15		18.8	119.4	74800	

* CONSULT FACTORY- Thermal ratings are a measure of the units ability to dissipate heat. If they are exceeded the lubrication may breakdown resulting in premature gear failure.

TRIPLE REDUCTION TABLE

Frame Size			G0703				G0803				H0903											
Nom. Ratio	Input RPM	Nom. Output RPM	Exact Ratio	Max. Input HP	In. Lbs. Output Torque	Max NEMA Frame	Exact Ratio	Max. Input HP	In. Lbs. Output Torque	Max NEMA Frame	Exact Ratio	Max. Input HP	In. Lbs. Output Torque	Max NEMA Frame								
56.0	3500	59	58.95	5.41	5450	250TC	60.33	10.7	10900	250TC	59.85	17.2	17600	320TC								
	1750	29		3.11	6310			6.48	13400			10.5	21600									
	1160	19		2.35	7190			4.80	15000			7.49	23400									
	875	14		1.89	7680			3.62	15000			5.64	23400									
63.0	3500	54	62.83	5.14	5520	250TC	66.02	9.98	11200	250TC	66.49	15.9	18100	320TC								
	1750	27		2.96	6400			6.08	13800			9.73	22300									
	1160	17		2.25	7340			4.39	15000			6.75	23400									
	875	13		1.77	7680			3.31	15000			5.08	23400									
71.0	3500	49	74.47	4.50	5720	250TC	74.69	9.14	11600	250TC	74.26	15.5	19600	320TC								
	1750	24		2.65	6780			5.58	14300			9.45	24200									
	1160	16		1.99	7680			3.88	15000			6.54	25300									
	875	12		1.50	7680			2.92	15000			4.93	25300									
80.0	3500	42	79.51	4.27	5800	250TC	84.31	8.39	12000	250TC	82.51	14.4	20300	320TC								
	1750	21		2.53	6920			5.12	14800			8.78	24900									
	1160	13		1.86	7680			3.44	15000			5.89	25300									
	875	10		1.40	7680			2.59	15000			4.44	25300									
100	3500	35	98.66	3.60	6070	250TC	102.2	7.33	12700	250TC	103.7	11.6	20700	320TC								
	1750	17		2.20	7440			4.29	15000			6.54	23400									
	1160	11		1.50	7680			2.84	15000			4.33	23400									
	875	8		1.13	7680			2.14	15000			3.26	23400									
112	3500	30	116.3	3.16	6290	250TC	119.2	6.58	13300	250TC	116.5	11.3	22500	320TC								
	1750	15		1.92	7680			3.68	15000			6.31	25300									
	1160	9		1.27	7680			2.44	15000			4.17	25300									
	875	7		.961	7680			1.84	15000			3.15	25300									
125	3500	27	127.4	2.96	6430	250TC	130.9	6.16	13700	250TC	128.7	10.5	23200	320TC								
	1750	13		1.76	7680			3.35	15000			5.71	25300									
	1160	8		1.16	7680			2.22	15000			3.78	25300									
	875	6		.878	7680			1.67	15000			2.85	25300									
160	3500	22	156.1	2.58	6880	250TC	160.4	5.33	14600	250TC	160.3	8.01	21800	320TC								
	1750	11		1.44	7680			2.73	15000			3.98	21900									
	1160	7		.952	7680			1.81	15000			2.63	21900									
	875	5		.731	7830			1.36	15000			1.98	21900									
180	3500	19	174.0	2.40	7140	250TC	175.2	5.01	15000	250TC	177.0	8.35	25300	320TC								
	1750	9		1.29	7680			2.51	15000			4.16	25300									
	1160	6		.855	7680			1.66	15000			2.75	25300									
	875	4		.659	7860			1.25	15000			2.07	25300									
200	3500	17	195.2	2.23	7410	250TC	201.8	4.38	15000	250TC	199.0	7.44	25300	320TC								
	1750	8		1.15	7680			2.18	15000			3.71	25300									
	1160	5		.773	77780			1.45	15000			2.45	25300									
	875	4		.589	7860			1.11	15300			1.85	25300									
225	3500	15									220.5	5.83	21900	320TC								
	1750	8										2.90	21900									
	1160	5										1.92	21900									
	875	4										1.45	21900									
250	3500	14																	248.0	5.19	21900	320TC
	1750	7																		2.58	21900	
	1160	4																		1.71	21900	
	875	3																		1.29	21900	

2000HG HELICAL GEAR REDUCER RATINGS

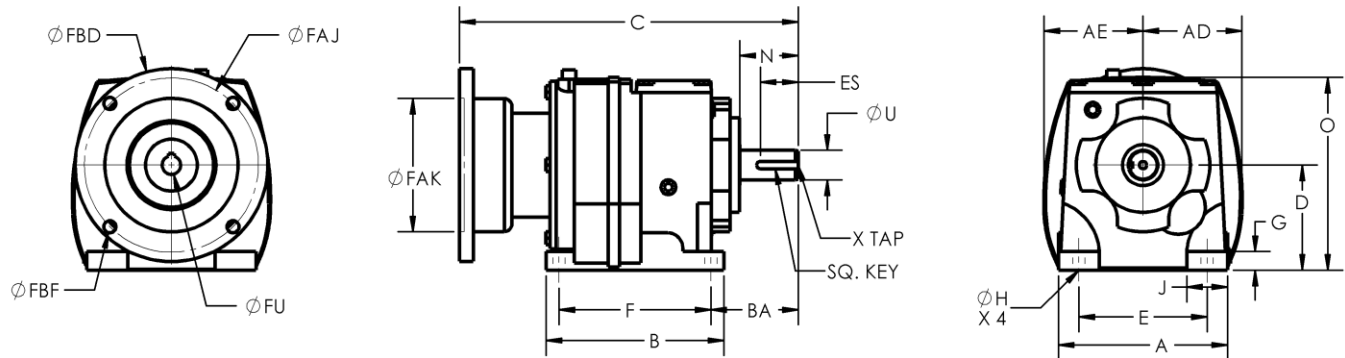
A36

TRIPLE REDUCTION TABLE

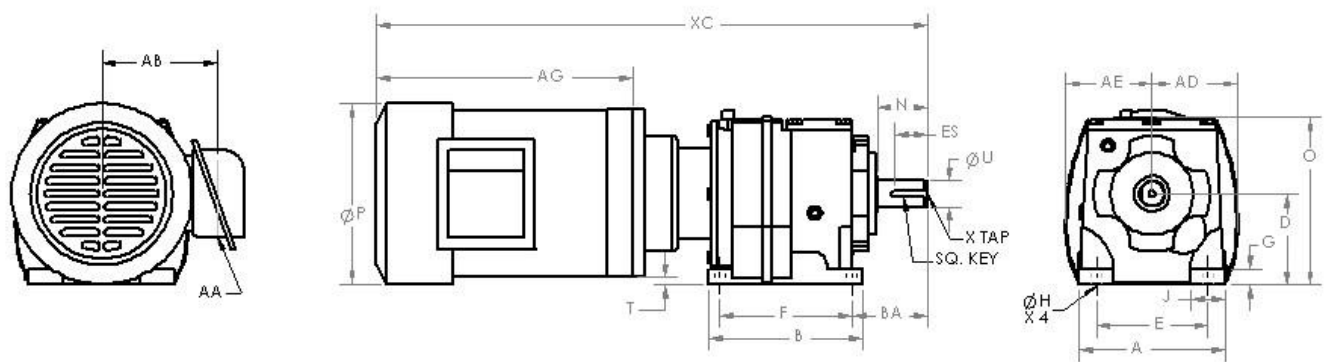
Frame Size			H1003				H1303				H1403			
Nom. Ratio	Input RPM	Nom. Output RPM	Exact Ratio	Max. Input HP	In. Lbs. Output Torque	Max NEMA Frame	Exact Ratio	Max. Input HP	In. Lbs. Output Torque	Max NEMA Frame	Exact Ratio	Max. Input HP	In. Lbs. Output Torque	Max NEMA Frame
56.0	3500	59	60.23	27.1	27800	320TC	56.93	44.7	43500	320TC	59.46	70.6	71600	320TC
	1750	29		16.1	33400			27.0	52900			44.0	89700	
	1160	19		10.7	33400			18.5	54900			31.4	96700	
	875	14		8.02	33400			14.0	54900			24.0	98200	
63.0	3500	54	66.93	25.4	29100	320TC	64.17	40.5	44500	320TC	65.55	66.6	74500	320TC
	1750	27		14.5	33400			24.0	52900			40.7	91500	
	1160	17		9.59	33400			16.4	54900			28.9	98200	
	875	13		7.22	33400			12.4	54900			21.8	98200	
71.0	3500	49	71.17	25.1	30400	320TC	71.32	41.6	50600	320TC	78.7	70.6	94600	320TC
	1750	24		15.3	37500			23.0	56200			36.2	97300	
	1160	16		10.6	39100			15.2	56200			23.9	97300	
	875	12		7.95	39100			11.5	56200			18.1	97300	
80.0	3500	42	79.08	23.3	31400	320TC	80.39	37.8	51700	320TC	86.76	65.9	97300	320TC
	1750	21		14.2	38700			20.4	56200			32.8	97300	
	1160	13		9.5	39100			13.5	56200			21.7	97300	
	875	10		7.16	39100			10.2	56200			16.4	97300	
100	3500	35	110.0	17.7	32400	320TC	101.1	30.0	51700	320TC	102.2	50.5	88100	320TC
	1750	17		8.83	33400			15.9	54900			28.1	98200	
	1160	11		5.84	33400			10.5	54900			18.6	98200	
	875	8		4.40	33400			7.92	54900			14.0	98200	
112	3500	30	112.8	18.1	35000	320TC	113.7	28.6	55200	320TC	124.9	45.9	97300	320TC
	1750	15		10.1	39100			14.5	56200			22.9	97300	
	1160	9		6.67	39100			9.59	56200			15.1	97300	
	875	7		5.02	39100			7.23	56200			11.4	97300	
125	3500	27	129.9	16.4	36500	320TC	126.6	26.1	56200	320TC	135.3	42.3	97300	320TC
	1750	13		8.75	39100			13.0	56200			21.1	97300	
	1160	8		5.79	39100			8.62	56200			14.0	97300	
	875	6		4.36	39100			6.50	56200			10.5	97300	
160	3500	22	156.6	13.8	36800	320TC	154.9	21.8	57200	320TC	154.6	34.2	89500	320TC
	1750	11		6.88	36900			10.9	57200			17.0	89500	
	1160	7		4.55	36900			7.2	57200			11.3	89500	
	875	5		3.43	36900			5.42	57200			8.50	89500	
180	3500	19	175.7	13.0	39100	320TC	173.4	19.0	56200	320TC	185.6	30.8	89500	320TC
	1750	9		6.48	39100			9.49	56200			15.4	89500	
	1160	6		4.29	39100			6.28	56200			10.2	89500	
	875	4		3.23	39100			4.74	56200			7.67	89500	
200	3500	17	188.8	12.1	39100	320TC	184.5	17.9	56200	320TC	208.2	27.5	97300	320TC
	1750	8		6.04	39100			8.91	56200			13.7	97300	
	1160	5		4.00	39100			5.90	56200			9.09	97300	
	875	4		3.02	39100			4.45	56200			6.85	97300	
225	3500	15	211.8	10.2	36900	320TC	212.1	15.9	57200	320TC	212.0	24.9	89500	320TC
	1750	8		5.09	36900			7.92	57200			12.4	89500	
	1160	5		3.37	36900			5.24	57200			8.22	89500	
	875	4		2.59	37600			3.95	57200			6.19	89500	
250	3500	14	227.5	9.53	36900	320TC	225.6	14.9	57200	320TC	237.8	22.2	89500	320TC
	1750	7		4.75	36900			7.44	57200			11.1	89500	
	1160	4		3.14	36900			4.92	57200			7.34	89500	
	875	3		2.43	37800			3.71	57200			5.53	89500	

STYLE AC – Rolled Steel and Cast Iron Ribbed Body Motor DOUBLE REDUCTION

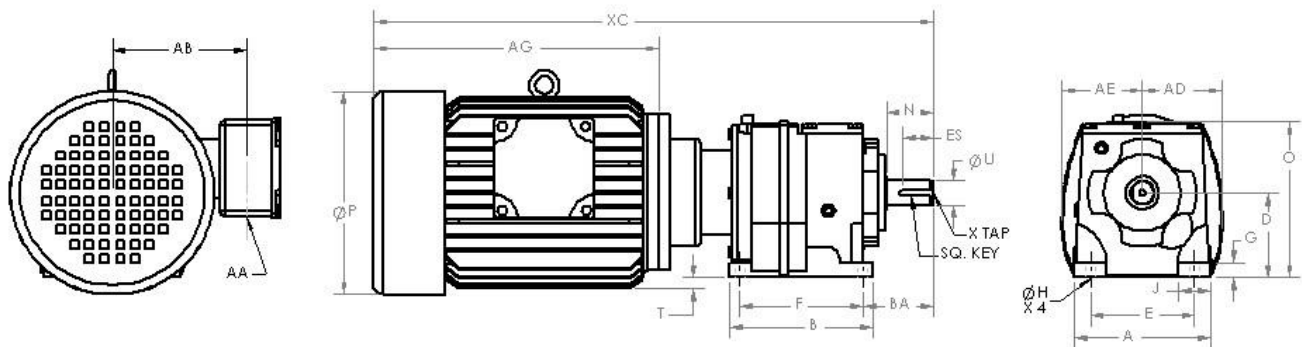
FOOT MOUNTED C-FACE INPUT REDUCER



GEARMOTOR with SMOOTH BODY MOTOR



GEARMOTOR with CAST IRON RIBBED FRAME MOTOR



COMMON DIMENSIONS

Unit	A	B	D	E	F	G	H	J	N	O	U	Sq. Key
R0402AC	5.710	5.980	3.540	4.330	5.120	0.63	0.39	1.38	1.97	7.090	1.000	.25
R0602AC	7.480	7.880	4.530	5.310	6.500	0.79	0.59	2.17	2.76	8.190	1.375	.31
R0702AC	9.060	9.650	5.510	6.690	8.070	0.98	0.75	2.36	3.15	11.61	1.625	.38
G0802AC	11.42	12.20	7.090	8.460	10.24	1.38	0.75	2.95	3.94	14.17	2.125	.50
H0902AC	13.39	14.37	8.860	9.840	12.20	1.57	0.91	3.54	4.72	17.05	2.375	.62
H1002AC	15.75	17.32	9.840	11.42	14.57	1.77	1.06	4.33	5.51	19.88	2.875	.75
H1302AC	17.72	19.29	10.43	13.39	16.14	1.97	1.34	4.33	6.69	22.17	3.625	.88
H1402AC	20.88	23.23	11.81	14.96	19.69	1.97	1.61	5.91	8.27	24.80	4.000	1.0

Unit	AD	AE	BA	ES	X-Tap
R0402AC	3.380	3.310	2.950	1.28	1/4-unF
R0602AC	4.210	3.820	3.940	2.38	3/8-unF
R0702AC	5.230	4.690	4.590	2.38	5/8-unF
G0802AC	6.030	6.570	5.510	2.75	3/4-unF
H0902AC	6.780	7.870	6.300	3.69	3/4-unF
H1002AC	7.990	8.860	7.280	4.62	3/4-unF
H1302AC	8.970	9.530	8.660	5.94	1-unF
H1402AC	10.56	10.94	10.24	7.50	1-unF

REDUCER ONLY

Unit Size	C Dimension Motor Frame							
	56C	143TC 145TC	182TC 184TC	213TC 215TC	254TC 256TC	284TC 286TC	324TC 326TC	364TC 365TC
R0402AC								
R0602AC								
R0702AC					16.57			
G0802AC					18.86			
H0902AC					22.20	22.94	22.95	
H1002AC					25.16	25.28	25.91	
H1302AC					28.46	28.58	29.21	35.91
H1402AC					33.00	33.12	33.75	40.44

GEARMOTOR

Unit Size	XC Dimension Motor Frame												
	56C	143TC	145TC	182TC	184TC	213TC	215TC	254TC	256TC	284TC	286TC	324TC	326TC
R0402AC													
R0602AC							29.34						
R0702AC							31.43	34.03	35.78				
G0802AC							34.03	36.62	38.38				
H0902AC							37.17	41.12	42.88	45.62	47.12	46.53	48.02
H1002AC							40.32	44.09	45.84	47.96	49.46	49.49	50.98
H1302AC							44.80	47.38	49.14	51.26	52.76	52.79	54.28
H1402AC							49.34	51.93	53.68	55.80	57.30	57.33	58.82

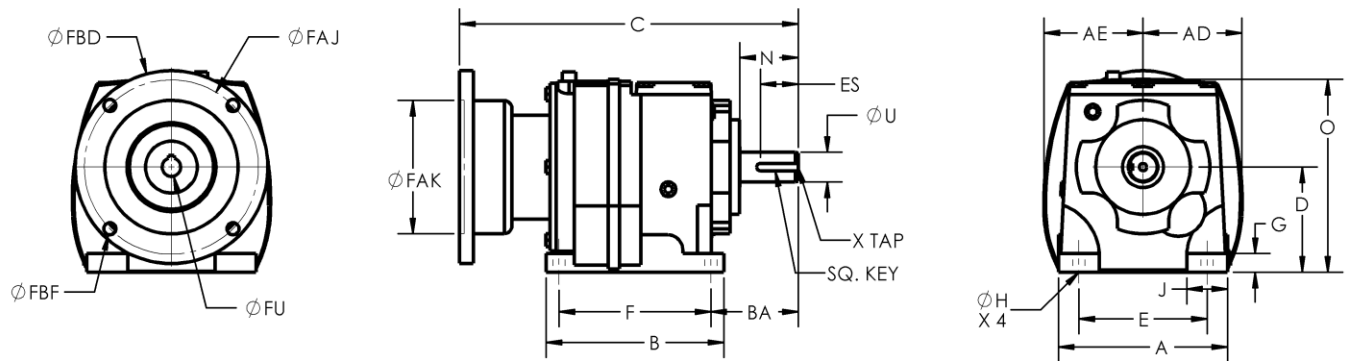
Unit Size	XC Dimension		T* Dimension							
			Motor Frame							
	364TC	365TC	143TC 145TC	182TC 184TC	213TC 215TC	254TC 256TC	284TC 286TC	324TC 326TC	364TC 365TC	
R0402AC										
R0602AC										
R0702AC						-1.28				
G0802AC						0.30				
H0902AC						2.07	2.16	1.36		
H1002AC						3.17	3.14	2.34		
H1302AC	62.59	67.12				3.76	3.73	2.93	1.68	
H1402AC	63.59	68.12				5.14	5.11	4.31	3.06	

*Negative T dimension indicates motor hangs below reducer mounting base.

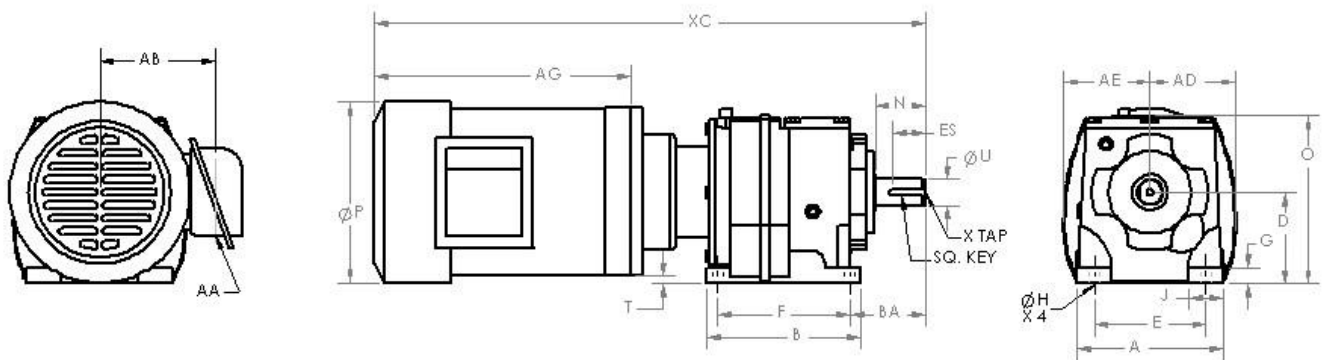
MOTOR ONLY

Motor Frame	FU	Kwy	P	AA	AB	AG	FAK	FAJ	FBD	FBF
56C										
143TC										
145TC										
182TC										
184TC										
213TC										
215TC										
254TC	1.625	.375		1.250	11.00	19.50	8.50	7.25	9.00	.53
256TC	1.625	.375		1.250	11.00	20.58	8.50	7.25	9.00	.53
284TC	1.875	.500		1.500	13.40	23.35	10.5	9.00	11.25	.53
286TC	1.875	.500		1.500	13.40	23.73	10.5	9.00	11.25	.53
324TC	2.125	.500		2.000	15.00	26.45	12.5	11.0	14.00	.66
326TC	2.125	.500		2.000	15.00	28.05	12.5	11.0	14.00	.66
364TC	2.375	.625		3.000	17.50	27.83	12.5	11.0	14.00	.66
365TC	2.375	.625		3.000	17.50	31.23	12.5	11.0	14.00	.66

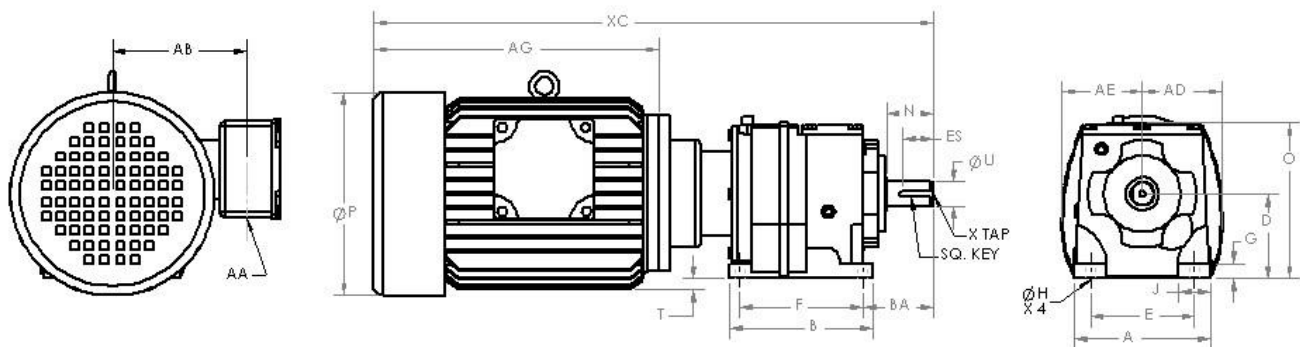
STYLE AC - TRIPLE REDUCTION

FOOT MOUNTED
C-FACE INPUT REDUCER

GEARMOTOR with SMOOTH BODY MOTOR



GEARMOTOR with CAST IRON RIBBED FRAME MOTOR



2000HG HELICAL REDUCER / GEARMOTOR DIMENSIONS

A40

COMMON DIMENSIONS

Unit	A	B	D	E	F	G	H	J	N	O	U	Sq. Key
G0703AC	9.060	9.650	5.510	6.690	8.070	0.98	0.75	2.36	3.15	11.61	1.625	.38
G0803AC	11.42	12.20	7.090	8.460	10.24	1.38	0.75	2.95	3.94	14.17	2.125	.50
H0903AC	13.39	14.37	8.860	9.840	12.20	1.57	0.91	3.54	4.72	17.05	2.375	.62
H1003AC	15.75	17.32	9.840	11.42	14.57	1.77	1.06	4.33	5.51	19.88	2.875	.75
H1303AC	17.72	19.29	10.43	13.39	16.14	1.97	1.34	4.33	6.69	22.17	3.625	.88
H1403AC	20.87	23.23	11.81	14.96	19.69	1.97	1.61	5.91	8.27	24.80	4.000	1.0

Unit	AD	AE	BA	ES	FD	X-Tap
G0703AC	5.120	4.690	4.590	2.38	7.880	5/8-unF
G0803AC	6.030	6.570	5.510	2.75	7.090	3/4-unF
H0903AC	6.780	7.870	6.300	3.69	8.860	3/4-unF
H1003AC	7.990	8.860	7.280	4.62	9.840	3/4-unF
H1303AC	8.970	9.530	8.660	5.94	10.43	1-unF
H1403AC	10.56	10.94	10.24	7.50	11.81	1-unF

REDUCER ONLY

Unit Size	C Dimension							
	Motor Frame							
	56C	143TC 145TC	182TC 184TC	213TC 215TC	254TC 256TC	284TC 286TC	324TC 326TC	364TC 365TC
G0703AC	17.41	17.41	19.03					
G0803AC	18.23	18.23	19.02					
H0903AC	21.89	21.89	21.89					
H1003AC			25.71	25.71	27.09	27.20	27.83	
H1303AC			30.91	30.91	30.91	31.02	31.65	
H1403AC			35.83	35.83	35.83	35.94	36.57	

GEARMOTOR

Unit Size	XC Dimension												
	Motor Frame												
	56C	143TC	145TC	182TC	184TC	213TC	215TC	254TC	256TC	284TC	286TC	324TC	326TC
G0703AC	29.80	29.80	29.80	32.39	33.77								
G0803AC	30.63	30.63	30.63	32.38	33.76								
H0903AC	34.29	34.29	34.29	35.25	36.63								
H1003AC				39.07	40.45	40.59	41.80	49.79	48.54	49.43	50.93	54.58	56.13
H1303AC				44.27	45.65	45.79	47.00	50.61	52.36	53.25	54.75	58.35	59.95
H1403AC				49.19	50.57	50.71	51.92	55.53	57.28	58.17	59.67	63.27	64.87

Note: 56C through 215TC are rolled steel construction. 254TC through 326TC are cast iron construction

Unit Size	XC Dimension		T* Dimension							
			Motor Frame							
	364TC	365TC	56C	143TC 145TC	182TC 184TC	213TC 215TC	254TC 256TC	284TC 286TC	324TC 326TC	364TC 365TC
G0703AC			4.23	3.94	3.46					
G0803AC			3.43	3.15	2.66					
H0903AC			5.20	4.92	4.43					
H1003AC					5.41	4.21	3.17	3.14	2.34	
H1303AC					6.00	4.80	3.76	3.73	2.93	
H1403AC					7.38	6.18	5.14	5.11	4.31	

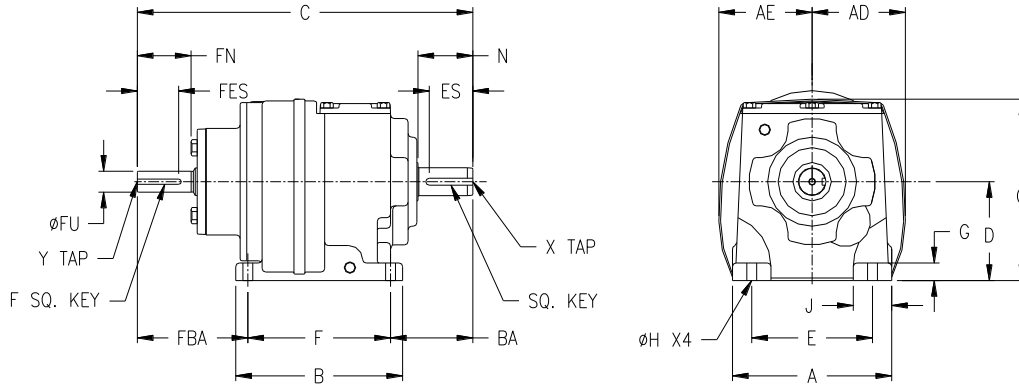
*Negative T dimension indicates motor hangs below reducer mounting base.

MOTOR ONLY

Motor Frame	FU	Kwy	P	AA	AB	AG	FAK	FAJ	FBD	FBF
56C	0.625	.19	7.13	1.12	5.53	12.40	4.50	5.88	6.500	.41
143TC	0.875	.19	7.13	0.86	5.53	12.40	4.50	5.88	6.500	.41
145TC	0.875	.19	7.13	0.86	5.53	12.40	4.50	5.88	6.500	.41
182TC	1.125	.25	8.50	0.90	6.46	13.36	8.50	7.25	9.000	.53
184TC	1.125	.25	8.50	0.90	6.46	14.74	8.50	7.25	9.000	.53
213TC	1.375	.31	11.80	1.10	7.64	14.88	8.50	7.25	9.000	.53
215TC	1.375	.31	11.80	1.10	7.64	16.09	8.50	7.25	9.000	.53
254TC	1.625	.38		1.250	11.00	19.50	8.50	7.25	10.00	.53
256TC	1.625	.38		1.250	11.00	20.58	8.50	7.25	10.00	.53
284TC	1.875	.50		1.500	13.40	23.35	10.5	9.00	11.25	.53
286TC	1.875	.50		1.500	13.40	23.73	10.5	9.00	11.25	.53
324TC	2.125	.50		2.000	15.00	26.45	12.5	11.0	14.00	.66
326TC	2.125	.50		2.000	15.00	28.05	12.5	11.0	14.00	.66
364TC	2.375	.63		3.000	17.50	27.83	12.5	11.0	14.00	.66
365TC	2.375	.63		3.000	17.50	31.23	12.5	11.0	14.00	.66

Note: 56C through 215TC are rolled steel construction. 254TC through 326TC are cast iron construction

STYLE AR - DOUBLE REDUCTION

FOOT MOUNTED
SHAFT INPUT REDUCERS

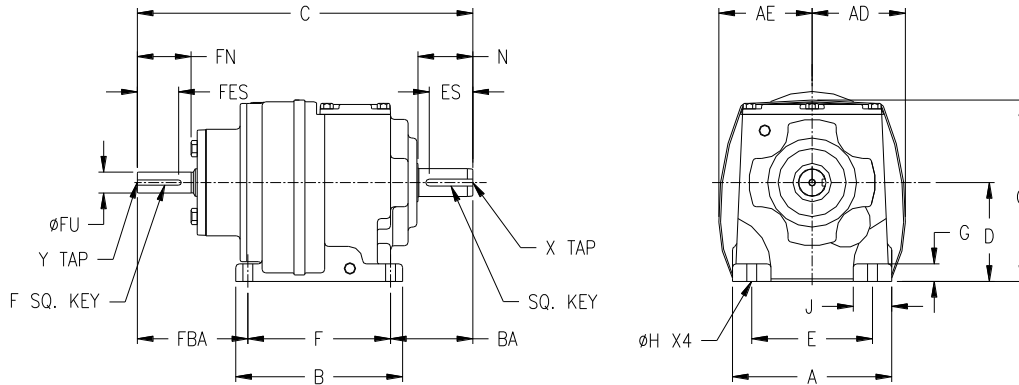
COMMON DIMENSIONS

Unit	A	B	C	D	E	F	G	H	J	N	O	U
R0402A	5.710	5.980	12.48	3.540	4.330	5.120	0.63	0.39	1.38	1.97	6.50	1.000
R0602A	7.480	7.880	14.53	4.530	5.310	6.500	0.79	0.59	2.17	2.76	8.21	1.375
R0702A	9.060	9.650	17.32	5.510	6.690	8.070	0.98	0.75	2.36	3.15	11.61	1.625
G0802A	11.42	12.20	21.85	7.090	8.460	10.24	1.38	0.75	2.95	3.94	14.17	2.125
H0902A	13.39	14.37	25.98	8.860	9.840	12.20	1.57	0.91	3.54	4.72	17.05	2.375
H1002A	15.75	17.32	30.79	9.840	11.42	14.57	1.77	1.06	4.33	5.51	19.88	2.875
H1302A	17.72	19.29	35.71	10.43	13.39	16.14	1.97	1.34	4.33	6.69	22.17	3.625
H1402A	20.88	23.23	40.24	11.81	14.96	19.69	1.97	1.61	5.91	8.27	24.80	4.000

Unit	Sq. Key	AD	AE	BA	ES	FN	FU	Sq. F-Key	FBA	FES
R0402A	.25	3.380	3.310	2.950	1.28	1.57	.6250	.19	4.410	1.28
R0602A	.31	4.210	3.820	3.940	2.38	1.57	.7500	.19	4.490	1.28
R0702A	.38	5.230	4.690	4.590	2.38	1.97	.8750	.19	4.720	1.28
G0802A	.50	6.030	6.570	5.510	2.75	2.36	1.125	.25	6.100	2.00
H0902A	.62	6.780	7.870	6.300	3.69	3.15	1.375	.31	7.480	2.40
H1002A	.75	7.990	8.860	7.280	4.62	4.33	1.625	.38	8.940	3.69
H1302A	.88	8.970	9.530	8.660	5.94	4.33	2.125	.50	10.91	3.81
H1402A	1.0	10.56	10.94	10.24	7.50	4.33	2.125	.50	10.31	3.81

Unit	X-Tap	Y-Tap
R0402A	1/4-unF	1/4-unF
R0602A	3/8-unF	1/4-unF
R0702A	5/8-unF	5/16-unF
G0802A	3/4-unF	3/8-unF
H0902A	3/4-unF	1/2-unF
H1002A	3/4-unF	5/8-unF
H1302A	1-unF	3/4-unF
H1402A	1-unF	3/4-unF

STYLE AR - TRIPLE REDUCTION

FOOT MOUNTED
SHAFT INPUT REDUCER

COMMON DIMENSIONS

Unit	A	B	C	D	E	F	G	H	J	N	O	U
G0703A	9.060	9.650	17.32	5.510	6.690	8.070	0.98	0.75	2.36	3.15	11.61	1.625
G0803A	11.42	12.20	21.85	7.090	8.460	10.24	1.38	0.75	2.95	3.94	14.17	2.125
H0903A	13.39	14.37	25.98	8.860	9.840	12.20	1.57	0.91	3.54	4.72	17.05	2.375
H1003A	15.75	17.32	30.79	9.840	11.42	14.57	1.77	1.06	4.33	5.51	19.88	2.875
H1303A	17.72	19.29	35.71	10.43	13.39	16.14	1.97	1.34	4.33	6.69	22.17	3.625
H1403A	20.88	23.23	40.24	11.81	14.96	19.69	1.97	1.61	5.91	8.27	24.80	4.000

Unit	Sq. Key	AD	AE	BA	ES	FN	FU	Sq. F-Key
G0703A	.38	5.230	4.690	4.590	2.38	1.57	.7500	.19
G0803A	.50	6.030	6.570	5.510	2.75	1.97	.8750	.19
H0903A	.62	6.780	7.870	6.300	3.69	2.36	1.125	.25
H1003A	.75	7.990	8.860	7.280	4.62	3.15	1.375	.31
H1303A	.88	8.970	9.530	8.660	5.94	4.33	2.125	.50
H1403A	1.0	10.56	10.94	10.24	7.44	4.33	2.125	.50

Unit	FBA	FES	X-Tap	Y-Tap
G0703A	7.950	1.28	5/8-unF	1/4-unF
G0803A	5.510	1.28	3/4-unF	5/16-unF
H0903A	7.560	2.00	3/4-unF	3/8-unF
H1003A	9.020	2.40	3/4-unF	1/2-unF
H1303A	13.35	3.81	1-unF	3/4-unF
H1403A	13.51	3.81	1-unF	3/4-unF

RATING TABLES



Size 1RBQ at 1750 Rpm (56C Input/Output)

56C Rating					
Ratio	Output RPM	Input HP	Output HP	Output Torque	Max LS OHL
2:1	875	1.80	1.76	127	313
3:1	583	1.50	1.46	152	313
4:1	437	1.25	1.22	179	313
5:1	350	1.00	0.98	177	313

Size 2RBQ at 1750 Rpm (56C Input/Output, 140TC Input/Output)

56C Rating						140TC Rating			
Ratio	Output RPM	Input HP	Output HP	Output Torque	Max LS OHL	Input HP	Output HP	Output Torque	Max LS OHL
2:1	875	5.76	5.65	407	372	12.0	11.7	843	741
3:1	583	3.83	3.76	407	372	8.30	8.10	876	741
4:1	437	2.87	2.82	407	372	6.00	5.90	851	741
5:1	350	2.30	2.26	407	372	5.30	5.20	931	741

Size 3RBQ at 1750 Rpm (180TC Input/Output, 210TC Input/Output)

180TC Rating						210TC Rating			
Ratio	Output RPM	Input HP	Output HP	Output Torque	Max LS OHL	Input HP	Output HP	Output Torque	Max LS OHL
2:1	875	13.34	13.01	937	999	13.34	13.01	937	1034
3:1	583	10.84	10.62	1121	999	10.84	10.62	1121	1034
4:1	437	7.39	7.24	1040	999	7.39	7.24	1040	1034
5:1	350	6.10	5.98	1076	999	6.10	5.98	1076	1034

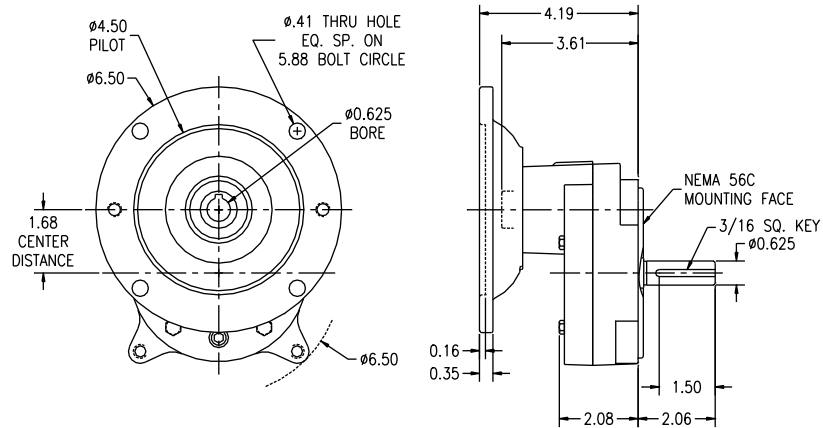
			Size 1RBQ	Size 2RBQ	Size 3RBQ		
Ratio	Motor Size	Output C-Face	Model Number	Model Number	Motor Size	Output C-Face	Model Number
2:1	56C	56C	1RBQ256C56C	2RBQ256C56C	180TC	180TC	3RBQ2180180
2:1	56C	140TC		2RBQ256C140	180TC	210TC	3RBQ2180210
2:1	140TC	56C		2RBQ214056C	210TC	180TC	3RBQ2210180
2:1	140TC	140TC		2RBQ2140140	210TC	210TC	3RBQ2210210
3:1	56C	56C	1RBQ356C56C	2RBQ356C56C	180TC	180TC	3RBQ3180180
3:1	56C	140TC		2RBQ356C140	180TC	210TC	3RBQ3180210
3:1	140TC	56C		2RBQ314056C	210TC	180TC	3RBQ3210180
3:1	140TC	140TC		2RBQ3140140	210TC	210TC	3RBQ3210210
4:1	56C	56C	1RBQ456C56C	2RBQ456C56C	180TC	180TC	3RBQ3180180
4:1	56C	140TC		2RBQ456C140	180TC	210TC	3RBQ3180210
4:1	140TC	56C		2RBQ414056C	210TC	180TC	3RBQ2180180
4:1	140TC	140TC		2RBQ4140140	210TC	210TC	3RBQ2210210
5:1	56C	56C	1RBQ556C56C	2RBQ556C56C	180TC	180TC	3RBQ5180180
5:1	56C	140TC		2RBQ556C140	180TC	210TC	3RBQ5180210
5:1	140TC	56C		2RBQ514056C	210TC	180TC	3RBQ5210180
5:1	140TC	140TC		2RBQ5140140	210TC	210TC	3RBQ5210210

Size 2RBQ Stainless Steel Construction			
Ratio	Motor Size	Output C-Face	Model Number
2:1	56C	56C	SS2RBQ256C56C
2:1	56C	140TC	SS2RBQ256C140
2:1	140TC	56C	SS2RBQ214056C
2:1	140TC	140TC	SS2RBQ2140140
3:1	56C	56C	SS2RBQ356C56C
3:1	56C	140TC	SS2RBQ356C140
3:1	140TC	56C	SS2RBQ314056C
3:1	140TC	140TC	SS2RBQ3140140
4:1	56C	56C	SS2RBQ456C56C
4:1	56C	140TC	SS2RBQ456C140
4:1	140TC	56C	SS2RBQ414056C
4:1	140TC	140TC	SS2RBQ4140140
5:1	56C	56C	SS2RBQ556C56C
5:1	56C	140TC	SS2RBQ556C140
5:1	140TC	56C	SS2RBQ514056C
5:1	140TC	140TC	SS2RBQ5140140

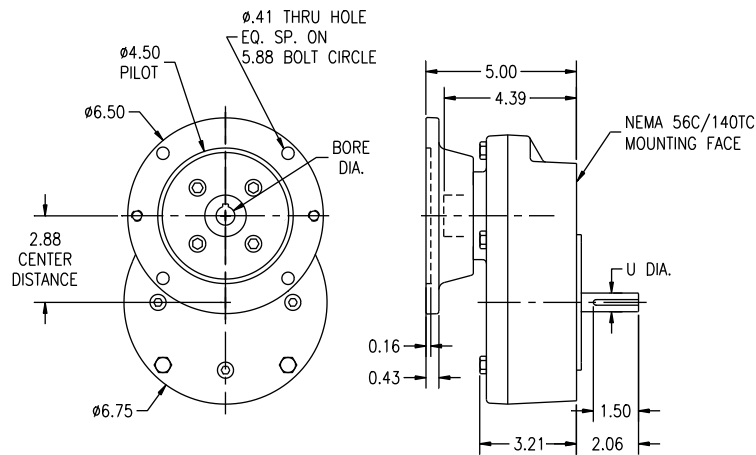
DIMENSIONS

Size 1RBQ

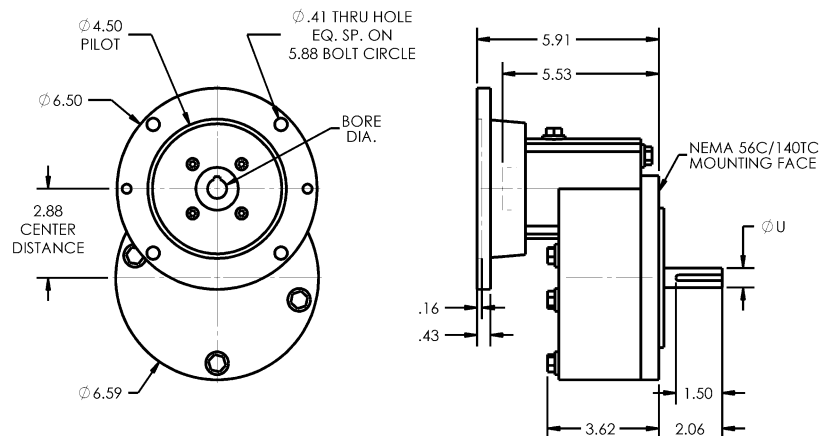
UNIT INPUT - OUTPUT	U	BORE
56C - 56C	.625	.625
140TC - 140TC	.875	.875
56C - 140TC	.875	.625
140TC - 56C	.625	.875



Size 2RBQ

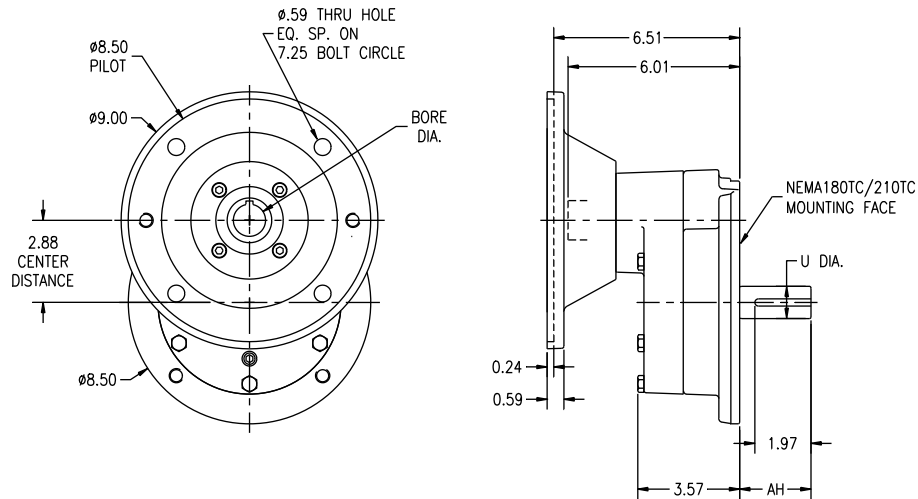


Size SS2RBQ



DIMENSIONS

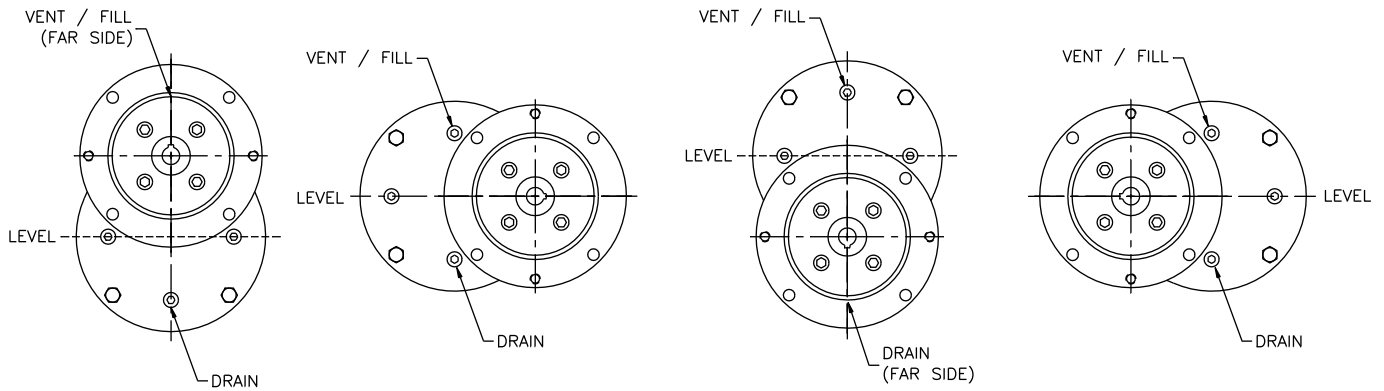
Size 3RBQ



UNIT INPUT -OUTPUT	U	BORE	AH
180TC-180TC	1.125	1.125	2.62
180TC-210TC	1.375	1.125	3.12
210TC-180TC	1.125	1.375	2.62
210TC-210TC	1.375	1.375	3.12

VENT PLUG LOCATION

Before putting the unit into operation, substitute the vent plug for the solid plug at the position desired. Arrows indicate the recommended vent plug locations.

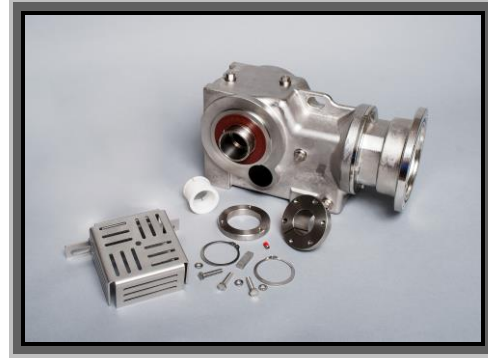


Oil & Weight Specifications

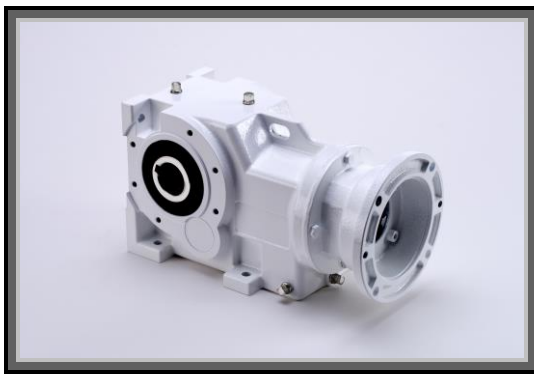
Unit Size	Oil Type	Oil Capacity	Weight
1RBQ	AGMA #4 / ISO 150	5/8 Pint	19 Lbs.
2RBQ		7/8 Pint	22 Lbs.
3RBQ		7/8 Pint	45 Lbs



Painted Cast Iron Construction



303/304 Stainless Steel Construction
Universal Taper Bushing Design



USDA Two Part Epoxy Coating



Silver Freeze (Stainless Pigment) Coating

The products found in this section provide a complete range of Helical Bevel Gearmotors and Reducers that meet the following specifications:

- All Helical Bevel Reducers and Gearmotors are provided with AGMA Class 10 or greater gearing.
- Base Mounting a Shaft Sizes provide Interchange with many Competitive Products. Contact our Inside Sales Department for assistance with your application requirement.
- All Standard TEFC Gearmotors and Sterli-Seal ® Washdown Duty products are provided with MW-35 Spike Resistant Wire and meet NEMA MG1-4.4.2 Inverter Rating Specifications.
- Standard Painted Gearmotor Construction is provided with a Smooth Body Rolled Steel Constructed Motor with Cast Iron End Brackets on Fractional through 10HP. Gearmotors 15HP and larger are All Cast Iron Ribbed Frame Construction.
- All Standard Gearmotors are provided with Class F Insulation and a 1.15 Service Factor.
- All Inverter Duty Gearmotors are provided with Class H Insulation and a 1.0 Service Factor. These Gearmotors are suitable for a (10:1 Constant Torque) operation. Motors are provided with a Normally Closed (Klixon) Thermal Protector.
- All Sterli-Seal ® Washdown Gearmotors or Reducers and provided, as standard, with Two Part USDA Approved White Paint. Optional Two Part Silver Freeze (Stainless Pigment) Paint is available upon request with an additional cost.
- SolidWorks 3D CAD or PDF Drawings are available on our website: www.sterlingelectric.com.

C2	2000HB Part Nomenclature	
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K-SERIES HELICAL BEVEL REDUCER ONLY

SS Prefix	K04 Unit Size	3 No. of Red.	HC Style	011 Nominal Ratio	56 Motor Input	A Output Bore	1 Mntg Pos.
NoneStandard Cast Iron -Construction Cast Iron Washdown S -Duty w/ USDA White Epoxy Coating Cast Iron Washdown SW -Duty w/ USDA Steel Plus CE Epoxy Coating All Stainless Steel SS -Construction Washdown Duty	04 06 07 Or SS Style 33 34 36 37	3 4	HC-Coupling Style Input /Hollow Shaft Output HR-Solid Shaft Input /Hollow Shaft Output AC-Coupling Style Input /Solid Shaft Output AR-Solid Shaft Input /Solid Shaft Output FHC-Coupling Style Input /Hollow Shaft Output w/ B5 Flange FHR-Solid Shaft Input /Hollow Shaft Output w/ B5 Flange FC-Coupling Style Input /Solid Shaft Output w/ B5 Flange FR-Solid Shaft Input /Solid Shaft Output w/ B5 Flange CHC-Coupling Style Input /Hollow Shaft Output w/ Face Mount** CHR-Solid Shaft Input/ Hollow Shaft Output w/ Face Mount** CC-Coupling Style Input /Solid Shaft Output w/ Face Mount** CR-Solid Shaft Input /Solid Shaft Output w/ Face Mount**	011 =11.1 125=125:1	00-Solid Shaft Input 56-NEMA 56C 14-NEMA 143/145TC 18-NEMA 182/184TC 21-NEMA 213/215TC 25-NEMA 254/256TC	See Table on Page C2 For fixed bores and keyway sizes Universal Tapered Bushing. Code is "UTB" See Table on Page C6	See Diagram Page D9

** Applies to Stainless Steel Unit Only. Cast Iron supplied with output face tapped mounting holes as standard.

K-SERIES HELICAL BEVEL GEAR MOTOR

SSP Prefix	K04 Unit Size	3 No. of Red.	H Style	001 Motor Input Hp	159 Output RPM	A Output Bore	1 Mntg Pos.
None-Standard Cast Iron Construction S -Cast Iron Washdown Duty w/ USDA White Epoxy Coating SW -Cast Iron Washdown Duty w/ USDA Steel Plus CE Epoxy Coating SS -All Stainless Steel Construction Washdown Duty P/SP/SPW/SSP – Indicates supplied with Premium Efficient Motor	04 06 07 Or SS Style 33 34 36 37	3 4	H-Motor Input /Hollow Shaft Output AC-Motor Input /Solid Shaft Output FHC-Motor Input /Hollow Shaft Output w/ B5 Flange FC-Motor Input /Solid Shaft Output w/ B5 Flange CH-Motor Input /Hollow Shaft Output w/ Face Mount** CC-Motor Input /Solid Shaft Output w/ Face Mount**	Y02 =0.25Hp Y03 =0.33Hp Y05 =0.50Hp Y07 =0.75Hp 001=1.0Hp Y15=1.5Hp 002=2.0Hp 003=3.0Hp 005=5.0Hp Y75=7.5Hp 010=10Hp 015=15Hp	Refer to rating tables for available nominal output RPM	See Table on Page C2 For fixed bores and keyway sizes Universal Tapered Bushing. Code is "UTB" See Table on Page C6	See Diagram Page D9

** Applies to Stainless Steel Unit Only. Cast Iron supplied with output face tapped mounting holes as standard.

INCH BORE

Fract. Size	Decimal Equiv.	Kwy Width x Depth	SSK33	K04/ SSK34	K06/ SSK36	K07/ SSK37	Bore Code	Fract. Size	Decimal Equiv.	Kwy Width x Depth	K06 SSK36	K07 SSK37	Bore Code
1	1.0000	1/4 x 1/8	X	X			A	1-11/16	1.6875	3/8 x 3/16	X	X	J
1-1/8	1.1250	1/4 x 1/8	X	X			B	1-3/4	1.7500	3/8 x 3/16	X	X	K
1-3/16	1.1875	1/4 x 1/8	X	X			C	1-7/8	1.8750	1/2 x 1/4	X	X	L
1-1/4	1.2500	1/4 x 1/8	X	X			D	1-15/16	1.9375	1/2 x 1/4	X	X	M
1-3/8	1.3750	5/16 x 5/32		X	X		E	2	2.0000	1/2 x 1/4	X	X	N
1-7/16	1.4375	3/8 x 3/16		X	X		F	2-3/16	2.1875	1/2 x 1/4		X	P
1-1/2	1.5000	3/8 x 3/16		X	X		G	2-1/4	2.2500	1/2 x 1/4		X	R
1-5/8	1.6250	3/8 x 3/16			X	X	H						

METRIC BORE

Fract. Size	Decimal Equiv.	Kwy Width x Depth	K04	K06	K07	Bore Code	Fract. Size	Decimal Equiv.	Kwy Width x Depth	K04	K06	K07	Bore Code
30mm	1.1811	8mm x 7mm	X			1	45mm	1.7717	14mm x 9mm		X		4
35mm	1.3780	10mm x 8mm	X			2	50mm	1.9685	14mm x 9mm			X	5
40mm	1.5748	12mm x 8mm	X	X		3	60mm	2.3622	18mm x 11mm			X	6

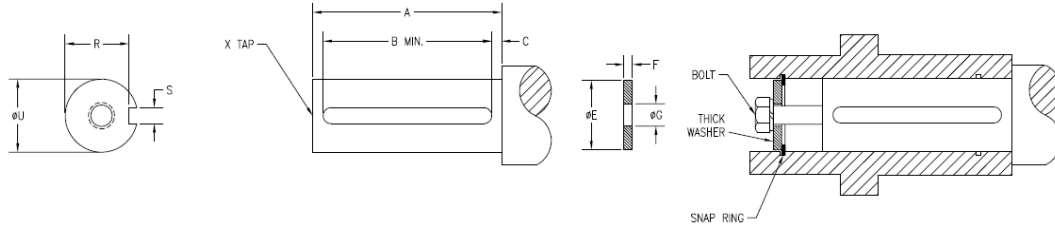
Tapered Bushing

Units with taper lock bushing option come less the taper bushing kit which must be ordered separately. Refer to page C6 for taper bushing kits. Kits are supplied with bushing, mounting hardware, pull-up ring, snap rings, and shaft key. Taper bushing bores are available in the same diameters and key dimensions listed above. For bore sizes other than those listed above, consult factory.

2000HB SELECTION AND PRICING - CLASS I

C3

FOR STRAIGHT BORE HOLLOW OUTPUT REDUCERS



ØU	S	R	X Tap	Thick Washer			Snap Ring	K04/SSK34				K06/SSK36				K07/SSK37			
+0.000 -0.001	+0.002 -0.000	+0.000 -0.015		ØE	F	ØG		A	B	C	Bolt Lg	A	B	C	Bolt Lg	A	B	C	Bolt Lg
1.000	0.250	0.859	1/2-20 x1.25Dp	0.98	0.53	0.53	HO-100	4.29	3.56	0.12	2.00								
1.125	0.250	0.986		1.11			HO-112												
1.187	0.250	1.049		1.17			HO-187												
1.250	0.250	1.112		1.23			HO-125												
1.375	0.313	1.201		1.35			HO-137	4.29	3.56	0.12	2.25	4.96	4.00	0.12	2.50				
1.437	0.375	1.225		1.41			HO-143												
1.500	0.375	1.289		1.47			HO-150												
1.625	0.375	1.416																	
1.687	0.375	1.478	5/8-18 x1.42Dp	1.60	0.66	0.66	HO-162					4.96	4.00	0.12	2.75	6.02	5.00	0.12	2.75
1.750	0.375	1.542		1.66			HO-168												
1.875	0.500	1.591		1.72			HO-175												
1.937	0.500	1.654		1.85			HO-187												
2.000	0.500	1.718		1.91			HO-193												
2.187	0.500	1.908		1.97			HO-200												
2.250	0.500	1.972		2.16			HO-218												
				2.22			HO-225												

Inches

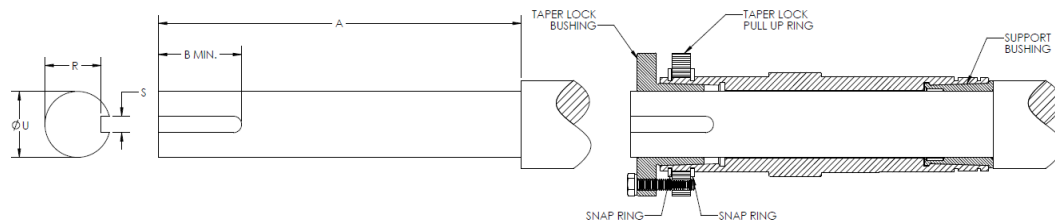
ØU +0.00 -0.025	S +0.05 -0.00	R +0.00 -0.38	X Tap	Thick Washer			Snap Ring	K04/SSK34				K06/SSK36				K07							
				ØE	F	ØG		A	B	C	Bolt Lg	A	B	C	Bolt Lg	A	B	C	Bolt Lg				
30	8	25.9	M12x31Dp	29	7	13	DHO-030	109	90	3	50												
35	10	30.2		34			DHO-035	109	90	3	55												
40	12	35.0	M16x36Dp	39		17	DHO-040	109	90	3	60	126	101	3	70								
45	14	39.4		44			DHO-045																
50	14	44.5		49			DHO-050										126	101	3	70			
60	18	53.1	M20x42Dp	50		21	DHO-060									153	127	3	70				

Millimeters

Notes:

- Above customer shaft dimensions are based on standard hollow shaft bore sizes as stated in the catalog and assume square keys. For other types of mounting such as tapered bushing, special bore sizes, or rectangular keys, contact factory.
- Dimension B is minimum usable keyway length.
- Dimension A is minimum customer shaft engagement.
- The dimensions stated as minimum are to be used as a guideline only. Good engineering practice and safety considerations may require longer customer shaft engagement and key lengths.
- The snap ring, thick washer, bolt, and lock washer are supplied as part of the hardware kit with the reducer.

FOR TAPER LOCK BUSHING HOLLOW OUTPUT REDUCERS



ØU	S	R	K04/SS34		K06/SSK36		K07/SSK37	
+0.000 -0.001	+0.002 -0.000	+0.000 -0.015	A	B	A	B	A	B
1.000	0.250	0.859	8.33	1.92	10.00	2.37	10.38	2.31
1.125	0.250	0.986						
1.187	0.250	1.049						
1.250	0.250	1.112						
1.375	0.313	1.201						
1.437	0.375	1.225						
1.500	0.375	1.289						
1.625	0.375	1.416						
1.687	0.375	1.478						
1.750	0.375	1.542						
1.875	0.500	1.591						
1.937	0.500	1.654						
2.000	0.500	1.718						
2.187	0.500	1.908						
2.250	0.500	1.972						

Notes:

- Above customer shaft dimensions are based on using the Universal Tapered Bushing Kit (sold separately). Kits are supplied with bushing, mounting hardware, pull-up ring, snap rings, and shaft key.
- Dimension B is minimum usable keyway length.
- Dimension A is customer usable shaft engagement.

C4

2000HB Bevel Reducer Selection- Triple Reduction

Nominal Ratio	Input RPM	SSK333					Output RPM		K043/SSK343			
		Output RPM	Exact Ratio	Max Input HP	In-Lbs. Output Torque	Max NEMA Frame			Exact Ratio	Max Input HP	In-Lbs. Output Torque	Max NEMA Frame
11:1	3500	325	10.763	6.18	1150	140TC	318	10.763	11.32	2100	180TC	
	1750	163		3.65	1360		159		6.59	2450		
	1160	108		2.62	1470		105		4.74	2650		
	875	81		2.04	1520		80		3.78	2810		
12:1	3500	295	11.857	5.61	1150	140TC	292	11.857	10.82	2210	180TC	
	1750	148		3.32	1360		146		6.24	2550		
	1160	98		2.38	1470		97		4.46	2750		
	875	74		1.85	1520		73		3.55	2900		
14:1	3500	255	13.731	5.27	1250	140TC	250	13.731	9.85	2320	180TC	
	1750	127		2.99	1420		125		5.62	2650		
	1160	84		2.23	1600		83		4.00	2850		
	875	64		1.72	1630		63		3.17	2990		
16:1	3500	219	15.957	4.93	1360	140TC	219	15.957	8.55	2340	180TC	
	1750	110		2.57	1420		109		4.83	2640		
	1160	73		1.92	1600		73		3.43	2830		
	875	55		1.48	1630		55		2.71	2960		
18:1	3500	198	17.689	4.58	1400	140TC	194	17.689	8.14	2460	180TC	
	1750	99		2.40	1470		97		4.56	2760		
	1160	66		1.85	1710		64		3.22	2940		
	875	49		1.43	1750		49		2.54	3070		
20:1	3500	178	19.670	4.18	1420	140TC	175	19.667	7.86	2640	180TC	
	1750	89		2.19	1490		88		4.36	2930		
	1160	59		1.70	1740		58		3.06	3100		
	875	44		1.32	1800		44		2.41	3230		
22:1	3500	159	21.950	4.06	1540	140TC	159	21.950	7.26	2720	180TC	
	1750	80		2.11	1600		80		3.99	2990		
	1160	53		1.59	1820		53		2.79	3150		
	875	40		1.30	1970		40		2.19	3270		
25:1	3500	142	24.614	3.69	1570	140TC	140	24.614	7.02	2940	180TC	
	1750	71		1.93	1640		70		3.83	3200		
	1160	47		1.45	1860		46		2.66	3360		
	875	36		1.18	2000		35		2.08	3480		
28:1	3500	126	27.762	3.33	1600	140TC	125	27.762	6.44	3030	180TC	
	1750	63		1.75	1680		63		3.48	3280		
	1160	42		1.31	1900		41		2.41	3420		
	875	32		1.07	2050		31		1.88	3530		
32:1	3500	111	31.539	3.03	1650	140TC	109	31.539	5.86	3130	180TC	
	1750	55		1.58	1720		55		3.14	3350		
	1160	37		1.19	1950		36		2.16	3480		
	875	28		0.94	2050		27		1.68	3580		
40:1	3500	90	38.870	2.61	1720	140TC	88	38.872	4.90	3220	180TC	
	1750	45		1.37	1780		44		2.60	3410		
	1160	30		1.03	2030		29		1.78	3530		
	875	23		0.79	2050		22		1.38	3620		
50:1	3500	71	49.347	2.15	1800	140TC	70	49.347	3.91	3250	180TC	
	1750	35		1.15	1900		35		2.06	3420		
	1160	24		0.81	2030		23		1.40	3520		
	875	18		0.62	2050		18		1.08	3600		
60:1	3500	59	59.241	1.97	1980	140TC	58	59.241	3.45	3440	180TC	
	1750	30		1.02	2020		29		1.80	3590		
	1160	20		0.68	2030		19		1.22	3680		
	875	15		0.52	2050		15		0.94	3740		
71:1	3500	48	73.091	1.60	1980	140TC	49	73.091	2.85	3490	180TC	
	1750	24		0.84	2050		25		1.47	3610		
	1160	16		0.56	2050		16		0.99	3680		
	875	12		0.42	2050		12		0.76	3730		
80:1	3500	43	82.325	1.44	2000	140TC	44	82.325	2.55	3520	180TC	
	1750	21		0.74	2050		22		1.31	3600		
	1160	14		0.49	2050		15		0.88	3660		
	875	11		0.37	2050		11		0.67	3700		
100:1	3500	37	94.118	1.05	1700	140TC	35	94.118	2.25	3530	140TC	
	1750	19		0.57	1850		18		1.14	3590		
	1160	12		0.38	1850		12		0.76	3630		
	875	9		0.29	1850		9		0.58	3650		
112:1	3500	33	105.688	0.94	1700	140TC	31	105.688	2.02	3560	140TC	
	1750	17		0.51	1850		16		1.02	3590		
	1160	11		0.34	1850		10		0.68	3600		
	875	8		0.26	1850		8		0.51	3620		
125:1	3500	29	120.150	0.83	1700	140TC	28	120.150	1.79	3570	140TC	
	1750	15		0.45	1850		14		0.89	3570		
	1160	10		0.30	1850		9		0.59	3570		
	875	7		0.22	1850		7		0.45	3570		

2000HB Bevel Reducer Selection- Triple Reduction

C5

Nominal Ratio	Input RPM	K063/SSK363					K073/SSK373*				
		Output RPM	Exact Ratio	Max Input HP	In-Lbs. Output Torque	Max NEMA Frame	Output RPM	Exact Ratio	Max Input HP	In-Lbs. Output Torque	Max NEMA Frame
11:1	3500	315	11.127	23.40	4490	210TC	297	11.802	37.27	7640	250TC
	1750	157		13.98	5370		148		22.26	9130	
	1160	104		10.01	5800		98		16.01	9910	
	875	79		7.93	6090		74		12.27	10060	
12:1	3500	281	12.471	21.09	4530	210TC	265	13.228	39.23	9010	250TC
	1750	140		12.46	5350		132		23.17	10640	
	1160	93		8.88	5750		88		16.58	11490	
	875	70		7.02	6030		66		12.70	11660	
14:1	3500	250	13.999	20.05	4820	210TC	236	14.849	35.31	9090	250TC
	1750	125		11.71	5630		118		20.62	10620	
	1160	83		8.31	6030		78		14.69	11410	
	875	63		6.55	6300		59		11.24	11580	
16:1	3500	222	15.750	19.06	5140	210TC	210	16.706	33.55	9710	250TC
	1750	111		11.01	5940		105		19.38	11220	
	1160	74		7.78	6330		69		13.74	12000	
	875	56		6.11	6600		52		10.50	12160	
18:1	3500	197	17.778	17.04	5170	210TC	186	18.857	30.03	9800	250TC
	1750	98		9.73	5910		93		17.16	11200	
	1160	65		6.85	6270		62		12.11	11920	
	875	49		5.37	6510		46		9.25	12070	
20:1	3500	174	20.153	15.43	5300	210TC	164	21.377	27.21	10050	250TC
	1750	87		8.72	5990		82		15.37	11360	
	1160	58		6.11	6320		54		10.80	12040	
	875	43		4.77	6550		41		8.24	12180	
22:1	3500	159	21.977	14.55	5430	210TC	150	23.311	25.65	10330	210TC
	1750	80		8.13	6070		75		14.34	11540	
	1160	53		5.67	6380		50		10.03	12180	
	875	40		4.42	6600		38		7.64	12310	
25:1	3500	139	25.168	13.18	5620	210TC	131	26.696	23.21	10690	210TC
	1750	70		7.29	6210		66		12.84	11830	
	1160	46		5.06	6500		43		8.93	12410	
	875	35		3.93	6700		33		6.80	12530	
28:1	3500	126	27.675	11.65	5450	210TC	119	29.355	21.72	10990	210TC
	1750	63		6.38	5960		60		11.89	12030	
	1160	42		4.40	6210		40		8.23	12570	
	875	32		3.41	6380		30		6.26	12680	
32:1	3500	109	32.188	10.41	5640	210TC	103	34.143	19.44	11430	210TC
	1750	54		5.64	6110		51		10.53	12380	
	1160	36		3.87	6340		34		7.26	12870	
	875	27		2.99	6490		26		5.52	12970	
40:1	3500	87	40.212	8.80	5940	210TC	82	42.653	17.37	12740	210TC
	1750	44		4.72	6370		41		9.31	13660	
	1160	29		3.23	6570		27		6.39	14130	
	875	22		2.49	6720		21		4.85	14230	
50:1	3500	72	48.569	7.61	6190	210TC	68	51.518	15.27	13510	180TC
	1750	36		4.04	6570		34		8.10	14340	
	1160	24		2.75	6750		23		5.53	14770	
	875	18		2.11	6870		17		4.20	14850	
60:1	3500	58	60.270	6.47	6510	210TC	55	63.929	13.58	14900	180TC
	1750	29		3.40	6840		27		6.79	14900	
	1160	19		2.30	6990		18		4.50	14900	
	875	15		1.76	7100		14		3.39	14900	
71:1	3500	49	71.071	5.71	6750	210TC	46	75.386	11.53	14900	180TC
	1750	25		2.97	7020		23		5.77	14900	
	1160	16		2.00	7150		15		3.82	14900	
	875	12		1.53	7240		12		2.88	14900	
80:1	3500	45	77.821	5.10	6590	210TC	42	82.546	10.54	14900	180TC
	1750	22		2.62	6780		21		5.27	14900	
	1160	15		1.76	6870		14		3.49	14900	
	875	11		1.34	6930		11		2.64	14900	
100:1	3500	37	95.734	4.13	6550	180TC	35	100.515	8.67	14900	180TC
	1750	18		2.11	6680		17		4.33	14900	
	1160	12		1.41	6730		12		2.87	14890	
	875	9		1.07	6770		9		2.17	14900	
112:1	3500	33	106.301	3.84	6740	180TC	32	110.647	6.84	12930	180TC
	1750	16		1.94	6810		16		3.42	12930	
	1160	11		1.29	6830		10		2.27	12930	
	875	8		0.98	6850		8		1.71	12930	
125:1	3500	29	119.216	3.42	6720	180TC	26	133.830	5.66	12930	180TC
	1750	15		1.71	6720		13		2.83	12930	
	1160	10		1.13	6710		9		1.88	12930	
	875	7		0.85	6710		7		1.42	12930	

C6	2000HB Bevel Reducer Selection- Quadruple Reduction	
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Nominal Ratio	Input RPM	K044/SSK344					K064/SSK364					K074/SSK374*				
		Output RPM	Exact Ratio	Max Input HP	In-Lbs. Output Torque	Max NEMA Frame	Output RPM	Exact Ratio	Max Input HP	In-Lbs. Output Torque	Max NEMA Frame	Output RPM	Exact Ratio	Max Input HP	In-Lbs. Output Torque	Max NEMA Frame
160:1	1750	11.1	157.695	.672	3511	140TC	10.9	160.940	1.196	6378	140TC	11.1	170.715	2.208	12489	140TC
180:1	1750	9.8	177.723	.672	3957	140TC	9.7	180.810	1.173	7027	140TC	9.8	191.787	2.260	14381	140TC
200:1	1750	9.0	194.360	.552	3555	140TC	8.7	201.060	.996	6635	140TC	9.0	213.265	1.940	13708	140TC
225:1	1750	7.4	236.964	.470	3690	140TC	7.3	241.080	.880	7029	140TC	7.4	255.716	1.695	14361	140TC
250:1	1750	7.1	246.735	.432	3532	140TC	7.2	242.845	.844	6791	140TC	7.1	257.590	1.680	14338	140TC
300:1	1750	6.2	282.354	.387	3620	140TC	6.1	287.202	.713	6785	140TC	6.2	301.545	1.447	14454	140TC
325:1	1750	5.3	329.300	.335	3655	140TC	5.6	311.284	.670	6910	140TC	5.3	330.184	1.320	14441	140TC
350:1	1750	4.8	365.455	.304	3681	140TC	4.9	355.355	.612	7206	140TC	4.8	376.930	1.152	14387	140TC

- Note: Stainless Steel construction units have a reduced thermal rating - Consult factory.

ACCESSORIES

Tapered Bushings Kits for Size SSK33				
Bushing Bore Size	Steel Model Number	Stainless Steel LH/RH Model Number	Stainless Steel Universal Model Number	Stainless Steel Universal HD Model Number
1.000			SSK33-1.000UTBK	SSK33-1.000HDUTBK
1.125			SSK33-1.125UTBK	SSK33-1.125HDUTBK
1.188			SSK33-1.188UTBK	SSK33-1.188HDUTBK
1.250			SSK33-1.250UTBK	SSK33-1.250HDUTBK

Tapered Bushings Kits for Size K04/SSK34				
Bushing Bore Size	Steel Model Number	Stainless Steel LH/RH Model Number	Stainless Steel Universal Model Number	Stainless Steel Universal HD Model Number
1.000	K04-1.000UTBK	SSK04-1.000TBKIT	SSK24-1.000UTBK	SSK34-1.000HDUTBK
1.125	K04-1.125UTBK	SSK04-1.125TBKIT	SSK24-1.125UTBK	SSK34-1.125HDUTBK
1.188	K04-1.188UTBK	SSK04-1.188TBKIT	SSK24-1.188UTBK	SSK34-1.188HDUTBK
1.250	K04-1.250UTBK	SSK04-1.250TBKIT	SSK24-1.250UTBK	SSK34-1.250HDUTBK
1.375	K04-1.375UTBK	SSK04-1.375TBKIT	SSK24-1.375UTBK	SSK34-1.375HDUTBK
1.438	K04-1.438UTBK	SSK04-1.438TBKIT	SSK24-1.438UTBK	SSK34-1.438HDUTBK
1.500	K04-1.500UTBK	SSK04-1.500TBKIT	SSK24-1.500UTBK	SSK34-1.500HDUTBK

Tapered Bushings Kits for Size K06/SSK36				
Bushing Bore Size	Steel Model Number	Stainless Steel LH/RH Model Number	Stainless Steel Universal Model Number	Stainless Steel Universal HD Model Number
1.375	K06-1.375UTBK	SSK06-1.375TBKIT	SSK36-1.375UTBK	SSK36-1.375HDUTBK
1.438	K06-1.438UTBK	SSK06-1.438TBKIT	SSK36-1.438UTBK	SSK36-1.438HDUTBK
1.500	K06-1.500UTBK	SSK06-1.500TBKIT	SSK36-1.500UTBK	SSK36-1.500HDUTBK
1.625	K06-1.625UTBK	SSK06-1.625TBKIT	SSK36-1.625UTBK	SSK36-1.625HDUTBK
1.688	K06-1.688UTBK	SSK06-1.688TBKIT	SSK36-1.688UTBK	SSK36-1.688HDUTBK
1.750	K06-1.750UTBK	SSK06-1.750TBKIT	SSK36-1.750UTBK	SSK36-1.750HDUTBK
1.875	K06-1.875UTBK	SSK06-1.875TBKIT	SSK36-1.875UTBK	SSK36-1.875HDUTBK
1.938	K06-1.938UTBK	SSK06-1.938TBKIT	SSK36-1.938UTBK	SSK36-1.938HDUTBK
2.000	K06-2.000UTBK	SSK06-2.000TBKIT	SSK36-2.000UTBK	SSK36-2.000HDUTBK

Tapered Bushings Kits for Size K07/SSK37				
Bushing Bore Size	Steel Model Number	Stainless Steel Universal Model Number		Stainless Steel Universal HD Model Number
1.375	K07-1.375UTBK	SSK37-1.375UTBK		SSK37-1.375HDUTBK
1.438	K07-1.438UTBK	SSK37-1.438UTBK		SSK37-1.438HDUTBK
1.500	K07-1.500UTBK	SSK37-1.500UTBK		SSK37-1.500HDUTBK
1.625	K07-1.625UTBK	SSK37-1.625UTBK		SSK37-1.625HDUTBK
1.688	K07-1.688UTBK	SSK37-1.688UTBK		SSK37-1.688HDUTBK
1.750	K07-1.750UTBK	SSK37-1.750UTBK		SSK37-1.750HDUTBK
1.875	K07-1.875UTBK	SSK37-1.875UTBK		SSK37-1.875HDUTBK
1.938	K07-1.938UTBK	SSK37-1.938UTBK		SSK37-1.938HDUTBK
2.000	K07-2.000UTBK	SSK37-2.000UTBK		SSK37-2.000HDUTBK
2.188	K07-2.188UTBK	SSK37-2.188UTBK		SSK37-2.188HDUTBK
2.250	K07-2.250UTBK	SSK37-2.250UTBK		SSK37-2.250HDUTBK

Note: K07 is limited to 7,000 in-lbs. output torque when using tapered bushing design

Torque Arm Mounting Bracket Kit		
Reducer Size	Cast Iron Model Number	Stainless Steel Model Number
SSK33	N/A	CSSK33TAKIT
K04/SSK34	N/A	CSSK34TAKIT
K06/SSK36	N/A	CSSK36TAKIT
K07/SSK37	K07TAKIT	CSSK37TAKIT

Shaft Cover Kit	
Reducer Size	Stainless Steel Model Number
SSK33	SSK33SCKIT
K04/SSK34	SSK34SCKIT
K06/SSK36	SSK36SCKIT
K07/SSK37	SSK37SCKIT

.33 Horsepower			
F/L RPM	SOLID Output Shaft		Output Torque
	Frame	Model No.	
159	56C-K043	K043AY03159=	126
146		K043AY03146=	137
125		K043AY03125=	160
109	56C-K043	K043AY03109=	183
97		K043AY03097=	206
88		K043AY03088=	227
80	56C-K043	K043AY03080=	250
70		K043AY03070=	285
63		K043AY03063=	317
55	56C-K043	K043AY03055=	363
44		K043AY03044=	454
35		K043AY03035=	571
29	56C-K043	K043AY03029=	689
25		K043AY03025=	799
22		K043AY03022=	908
18	56C-K043	K043AY03018=	1110
16		K043AY03016=	1248
14		K043AY03014=	1426

.33 Horsepower			
F/L RPM	HOLLOW Output Shaft		Output Torque
	Frame	Model No.	
159	56C-K043	K043HY03159=*	126
146		K043HY03146=*	137
125		K043HY03125=*	160
109	56C-K043	K043HY03109=*	183
97		K043HY03097=*	206
88		K043HY03088=*	227
80	56C-K043	K043HY03080=*	250
70		K043HY03070=*	285
63		K043HY03063=*	317
55	56C-K043	K043HY03055=*	363
44		K043HY03044=*	454
35		K043HY03035=*	571
29	56C-K043	K043HY03029=*	689
25		K043HY03025=*	799
22		K043HY03022=*	908
18	56C-K043	K043HY03018=*	1110
16		K043HY03016=*	1248
14		K043HY03014=*	1426

.50 Horsepower			
F/L RPM	SOLID Output Shaft		Output Torque
	Frame	Model No.	
159	56C-K043	K043AY05159=	190
146		K043AY05146=	207
125		K043AY05125=	242
109	56C-K043	K043AY05109=	277
97		K043AY05097=	312
88		K043AY05088=	344
80	56C-K043	K043AY05080=	378
70		K043AY05070=	432
63		K043AY05063=	480
55	56C-K043	K043AY05055=	550
44		K043AY05044=	688
35		K043AY05035=	865
29	56C-K043	K043AY05029=	1044
25		K043AY05025=	1211
22		K043AY05022=	1376
18	56C-K043	K043AY05018=	1681
16		K043AY05016=	1892
14		K043AY05014=	2162

.50 Horsepower			
F/L RPM	HOLLOW Output Shaft		Output Torque
	Frame	Model No.	
159	56C-K043	K043HY05159=*	190
146		K043HY05146=*	207
125		K043HY05125=*	242
109	56C-K043	K043HY05109=*	277
97		K043HY05097=*	312
88		K043HY05088=*	344
80	56C-K043	K043HY05080=*	378
70		K043HY05070=*	432
63		K043HY05063=*	480
55	56C-K043	K043HY05055=*	550
44		K043HY05044=*	688
35		K043HY05035=*	865
29	56C-K043	K043HY05029=*	1044
25		K043HY05025=*	1211
22		K043HY05022=*	1376
18	56C-K043	K043HY05018=*	1681
16		K043HY05016=*	1892
14		K043HY05014=*	2162

.75 Horsepower			
F/L RPM	SOLID Output Shaft		Output Torque
	Frame	Model No.	
159	56C-K043	K043AY07159=	286
146		K043AY07146=	311
125		K043AY07125=	363
109	56C-K043	K043AY07109=	416
97		K043AY07097=	468
88		K043AY07088=	516
80	56C-K043	K043AY07080=	567
70		K043AY07070=	649
63		K043AY07063=	721
55	56C-K043	K043AY07055=	825
44		K043AY07044=	1032
35		K043AY07035=	1297
29	56C-K043	K043AY07029=	1565
25		K043AY07025=	1816
22		K043AY07022=	2063
18	56C-K043	K043AY07018=	2522
16		K043AY07016=	2837
14		K043AY07014=	3243

.75 Horsepower			
F/L RPM	HOLLOW Output Shaft		Output Torque
	Frame	Model No.	
159	56C-K043	K043HY07159=*	286
146		K043HY07146=*	311
125		K043HY07125=*	363
109	56C-K043	K043HY07109=*	416
97		K043HY07097=*	468
88		K043HY07088=*	516
80	56C-K043	K043HY07080=*	567
70		K043HY07070=*	649
63		K043HY07063=*	721
55	56C-K043	K043HY07055=*	825
44		K043HY07044=*	1032
35		K043HY07035=*	1297
29	56C-K043	K043HY07029=*	1565
25		K043HY07025=*	1816
22		K043HY07022=*	2063
18	56C-K043	K043HY07018=*	2522
16		K043HY07016=*	2837
14		K043HY07014=*	3243

= To be user specified for required output shaft assembly position

= To be user specified for required output bore size
Reference Catalog Page C2 for complete bore size listing
UTB = Universal Tapered Bushing Design
(reference catalog page C6) for Part Number selection by bore size.

Bushings are Sold Separately

* To be user specified for application required mounting position
(reference catalog page D9 for assembly positions).

NEMA Premium Efficient

1 Horsepower			
F/L RPM	SOLID Output Shaft		Output Torque
	Frame	Model No.	
159	143TC-K043	PK043A001159=	381
146		PK043A001146=	415
125		PK043A001125=	484
109		PK043A001109=	555
97	143TC-K043	PK043A001097=	624
88		PK043A001088=	688
80		PK043A001080=	757
70		PK043A001070=	865
63	143TC-K043	PK043A001063=	961
55		PK043A001055=	1101
44		PK043A001044=	1376
35		PK043A001035=	1729
29	143TC-K043	PK043A001029=	2087
25		PK043A001025=	2421
22		PK043A001022=	2751
18		PK043A001018=	3363
16	143TC-K043	PK043A001016=	3783
15		PK063A001015=	4035

1 Horsepower			
F/L RPM	HOLLOW Output Shaft		Output Torque
	Frame	Model No.	
159	143TC-K043	PK043H001159=*	381
146		PK043H001146=*	415
125		PK043H001125=*	484
109		PK043H001109=*	555
97	143TC-K043	PK043H001097=*	624
88		PK043H001088=*	688
80		PK043H001080=*	757
70		PK043H001070=*	865
63	143TC-K043	PK043H001063=*	961
55		PK043H001055=*	1101
44		PK043H001044=*	1376
35		PK043H001035=*	1729
29	143TC-K043	PK043H001029=*	2087
25		PK043H001025=*	2421
22		PK043H001022=*	2751
18		PK043H001018=*	3363
16	143TC-K043	PK043H001016=*	3783
15		PK063H001015=*	4035

1.5 Horsepower			
F/L RPM	SOLID Output Shaft		Output Torque
	Frame	Model No.	
159	145TC-K043	PK043AY15159=	571
146		PK043AY15146=	622
125		PK043AY15125=	726
109		PK043AY15109=	833
97	145TC-K043	PK043AY15097=	936
88		PK043AY15088=	1032
80		PK043AY15080=	1135
70		PK043AY15070=	1297
63	145TC-K043	PK043AY15063=	1441
55		PK043AY15055=	1651
44		PK043AY15044=	2063
35		PK043AY15035=	2594
29	145TC-K043	PK043AY15029=	3131
25		PK063AY15025=	3632
22		PK063AY15022=	4127
18		PK063AY15018=	5044
16	145TC-K063	PK063AY15016=	5675
15		PK063AY15015=	6053

1.5 Horsepower			
F/L RPM	HOLLOW Output Shaft		Output Torque
	Frame	Model No.	
159	145TC-K043	PK043HY15159=*	571
146		PK043HY15146=*	622
125		PK043HY15125=*	726
109		PK043HY15109=*	833
97	145TC-K043	PK043HY15097=*	936
88		PK043HY15088=*	1032
80		PK043HY15080=*	1135
70		PK043HY15070=*	1297
63	145TC-K043	PK043HY15063=*	1441
55		PK043HY15055=*	1651
44		PK043HY15044=*	2063
35		PK043HY15035=*	2594
29	145TC-K043	PK043HY15029=*	3131
25		PK063HY15025=*	3632
22		PK063HY15022=*	4127
18		PK063HY15018=*	5044
16	145TC-K063	PK063HY15016=*	5675
15		PK063HY15015=*	6053

2 Horsepower			
F/L RPM	SOLID Output Shaft		Output Torque
	Frame	Model No.	
159	145TC-K043	PK043A002159=	745
146		PK043A002146=	829
125		PK043A002125=	968
109		PK043A002109=	1111
97	145TC-K043	PK043A002097=	1248
88		PK043A002088=	1376
80		PK043A002080=	1513
70		PK043A002070=	1729
63	145TC-K043	PK043A002063=	1922
55		PK043A002055=	2201
44		PK043A002044=	2751
35		PK043A002035=	3459
29	145TC-K063	PK063A002029=	4174
25		PK063A002025=	4842
22		PK063A002022=	5503
18		PK063A002018=	6725
16	145TC-K073	PK073A003016=	7566
13		PK073A003013=	9312

2 Horsepower			
F/L RPM	HOLLOW Output Shaft		Output Torque
	Frame	Model No.	
159	145TC-K043	PK043H002159=*	745
146		PK043H002146=*	829
125		PK043H002125=*	968
109		PK043H002109=*	1111
97	145TC-K043	PK043H002097=*	1248
88		PK043H002088=*	1376
80		PK043H002080=*	1513
70		PK043H002070=*	1729
63	145TC-K043	PK043H002063=*	1922
55		PK043H002055=*	2201
44		PK043H002044=*	2751
35		PK043H002035=*	3459
29	145TC-K063	PK063H002029=*	4174
25		PK063H002025=*	4842
22		PK063H002022=*	5503
18		PK063H002018=*	6725
16	145TC-K073	PK073H002016=*	7566
13		PK073H002013=*	9312

= To be user specified for required output shaft assembly position

= To be user specified for required output bore size
Reference Catalog Page C2 for complete bore size listing
UTB = Universal Tapered Bushing Design
(reference catalog page C6) for Part Number selection by bore size.

Bushings are Sold Separately

* To be user specified for application required mounting position
(reference catalog page D9 for assembly positions).

NEMA Premium Efficient

3 Horsepower			
F/L RPM	SOLID Output Shaft		Output Torque
	Frame	Model No.	
159	182TC-K043	PK043A003159=	1142
146		PK043A003146=	1244
125		PK043A003125=	1453
109		PK043A003109=	1666
97	182TC-K043	PK043A003097=	1872
88		PK043A003088=	2063
80	182TC-K043	PK043A003080=	2270
70		PK043A003070=	2594
63	182TC-K043	PK043A003063=	2882
55		PK043A003055=	3302
44	182TC-K063	PK063A003044=	4127
36		PK063A003036=	5044
29	182TC-K063	PK063A003029=	6262
23	182TC-K073	PK073A003023=	7895
21		PK073A003021=	8646
17	182TC-K073	PK073A003017=	10681
16		PK073A003016=	11349

3 Horsepower			
F/L RPM	HOLLOW Output Shaft		Output Torque
	Frame	Model No.	
159	182TC-K043	PK043H003159=*	1142
146		PK043H003146=*	1244
125		PK043H003125=*	1453
109		PK043H003109=*	1666
97	182TC-K043	PK043H003097=*	1872
88		PK043H003088=*	2063
80	182TC-K043	PK043H003080=*	2270
70		PK043H003070=*	2594
63	182TC-K043	PK043H003063=*	2882
55		PK043H003055=*	3302
44	182TC-K063	PK063H003044=*	4127
36		PK063H003036=*	5044
29	182TC-K063	PK063H003029=*	6262
23	182TC-K073	PK073H003023=*	7895
21		PK073H003021=*	8646
17	182TC-K073	PK073H003017=*	10681
16		PK073H003016=*	11349

5 Horsepower			
F/L RPM	SOLID Output Shaft		Output Torque
	Frame	Model No.	
159	184TC-K043	PK043A005159=	1903
146		PK043A005146=	2072
125		PK043A005125=	2421
111	184TC-K063	PK063A005111=	2726
99		PK063A005099=	3057
87	184TC-K063	PK063A005087=	3478
80		PK063A005080=	3783
70	184TC-K063	PK063A005070=	4323
63		PK063A005063=	4804
54	184TC-K063	PK063A005054=	5604
41	184TC-K073	PK073A005041=	7381
34		PK073A005034=	8901
27	184TC-K073	PK073A005027=	11209
23		PK073A005023=	13158
21	184TC-K073	PK073A005021=	14411

5 Horsepower			
F/L RPM	HOLLOW Output Shaft		Output Torque
	Frame	Model No.	
159	184TC-K043	PK043H005159=*	1903
146		PK043H005146=*	2072
125		PK043H005125=*	2421
111	184TC-K063	PK063H005111=*	2726
99		PK063H005099=*	3057
87	184TC-K063	PK063H005087=*	3478
80		PK063H005080=*	3783
70	184TC-K063	PK063H005070=*	4323
63		PK063H005063=*	4804
54	184TC-K063	PK063H005054=*	5604
41	184TC-K073	PK073H005041=*	7381
34		PK073H005034=*	8901
27	184TC-K073	PK073H005027=*	11209
23		PK073H005023=*	13158
21	184TC-K073	PK073H005021=*	14411

7.5 Horsepower			
F/L RPM	SOLID Output Shaft		Output Torque
	Frame	Model No.	
157	213TC-K063	PK063AY75157=	2891
140		PK063AY75140=	3242
125		PK063AY75125=	3632
111		PK063AY75111=	4090
98	213TC-K063	PK063AY75097=	4632
87		PK063AY75087=	5218
80	213TC-K063	PK063AY75080=	5675
75		PK073AY75075=	6053
66	213TC-K073	PK073AY75066=	6878
60		PK073AY75060=	7566
51	213TC-K073	PK073AY75051=	8901
41		PK073AY75041=	11072
34		PK073AY75034=	13352

7.5 Horsepower			
F/L RPM	HOLLOW Output Shaft		Output Torque
	Frame	Model No.	
159	213TC-K063	PK063HY75159=*	2891
146		PK063HY75146=*	3242
125		PK063HY75125=*	3632
109		PK063HY75109=*	4090
97	213TC-K063	PK063HY75097=*	4632
88		PK063HY75088=*	5218
80	213TC-K063	PK063HY75080=*	5675
75		PK073HY75075=*	6053
66	213TC-K073	PK073HY75066=*	6878
60		PK073HY75060=*	7566
51	213TC-K073	PK073HY75051=*	8901
41		PK073HY75041=*	11072
34		PK073HY75034=*	13352

= To be user specified for required output shaft assembly position

= To be user specified for required output bore size
Reference Catalog Page C2 for complete bore size listing
UTB = Universal Tapered Bushing Design
(reference catalog page C6) for Part Number selection by bore size.

Bushings are Sold Separately

* To be user specified for application required mounting position
(reference catalog page D9 for assembly positions).

NEMA Premium Efficient

10 Horsepower			
F/L RPM	SOLID Output Shaft		Output Torque
	Frame	Model No.	
157	215TC-K063	PK063A010157=	3855
140		PK063A010140=	4323
125		PK063A010125=	4842
111		PK063A010111=	5681
105	215TC-K073	PK073A010105=	5765
93	215TC-K073	PK073A010093=	6508
82		PK073A010082=	7381
75		PK073A010075=	8070
66	215TC-K073	PK073A010066=	9171
60	215TC-K073	PK073A010060=	10088
51		PK073A010051=	11868

15 Horsepower			
F/L RPM	SOLID Output Shaft		Output Torque
	Frame	Model No.	
148	254TC-K073	PK073A015148=	6135
132		PK073A015132=	6878
118	254TC-K073	PK073A015118=	7694
105	254TC-K073	PK073A015105=	8647
93		PK073A015093=	9763
82		PK073A015082=	11072

20 Horsepower			
F/L RPM	SOLID Output Shaft		Output Torque
	Frame	Model No.	
148	256TC-K073	PK073A020148=	8179
132		PK073A020132=	9171
118	256TC-K073	PK073A020118=	10259

= To be user specified for required output shaft assembly position

10 Horsepower			
F/L RPM	HOLLOW Output Shaft		Output Torque
	Frame	Model No.	
157	215TC-K063	PK063H010157=*	3855
140		PK063H010140=*	4323
125		PK063H010125=*	4842
111		PK063H010111=*	5681
105	215TC-K073	PK073H010105=	5765
93	215TC-K073	PK073H010093=	6508
82		PK073H010082=	7381
75		PK073H010075=	8070
66	215TC-K073	PK073H010066=	9171
60	215TC-K073	PK073H010060=	10088
51		PK073H010051=	11868

15 Horsepower			
F/L RPM	HOLLOW Output Shaft		Output Torque
	Frame	Model No.	
148	254TC-K073	PK073H015148=	6135
132		PK073H015132=	6878
118	254TC-K073	PK073H015118=	7694
105	254TC-K073	PK073H015105=	8647
93		PK073H015093=	9763
82		PK073H015082=	11072

20 Horsepower			
F/L RPM	HOLLOW Output Shaft		Output Torque
	Frame	Model No.	
148	256TC-K073	PK073H020148=	8179
132		PK073H020132=	9171
118	256TC-K073	PK073H020118=	10259

= To be user specified for required output bore size

Reference Catalog Page C2 for complete bore size listing

UTB = Universal Tapered Bushing Design

(reference catalog page C6) for Part Number selection by bore size.

Bushings are Sold Separately

* To be user specified for application required mounting position
(reference catalog page D9 for assembly positions).

Sterli-Seal® Washdown Duty

.33 Horsepower			
F/L RPM	SOLID Output Shaft		Output Torque
	Frame	Model No.	
159	56C-K043	SK043AY03159=	126
146		SK043AY03146=	137
125		SK043AY03125=	160
109		SK043AY03109=	183
97	56C-K043	SK043AY03097=	206
88		SK043AY03088=	227
80		SK043AY03080=	250
70		SK043AY03070=	285
63	56C-K043	SK043AY03063=	317
55		SK043AY03055=	363
44		SK043AY03044=	454
35		SK043AY03035=	571
29	56C-K043	SK043AY03029=	689
25		SK043AY03025=	799
22		SK043AY03022=	908
18		SK043AY03018=	1110
16	56C-K043	SK043AY03016=	1248
14		SK043AY03014=	1426

.33 Horsepower			
F/L RPM	HOLLOW Output Shaft		Output Torque
	Frame	Model No.	
159	56C-K043	SK043HY03159=*	126
146		SK043HY03146=*	137
125		SK043HY03125=*	160
109		SK043HY03109=*	183
97	56C-K043	SK043HY03097=*	206
88		SK043HY03088=*	227
80		SK043HY03080=*	250
70		SK043HY03070=*	285
63	56C-K043	SK043HY03063=*	317
55		SK043HY03055=*	363
44		SK043HY03044=*	454
35		SK043HY03035=*	571
29	56C-K043	SK043HY03029=*	689
25		SK043HY03025=*	799
22		SK043HY03022=*	908
18		SK043HY03018=*	1110
16	56C-K043	SK043HY03016=*	1248
14		SK043HY03014=*	1426

.50 Horsepower			
F/L RPM	SOLID Output Shaft		Output Torque
	Frame	Model No.	
159	56C-K043	SK043AY05159=	190
146		SK043AY05146=	207
125		SK043AY05125=	242
109		SK043AY05109=	277
97	56C-K043	SK043AY05097=	312
88		SK043AY05088=	344
80		SK043AY05080=	378
70		SK043AY05070=	432
63	56C-K043	SK043AY05063=	480
55		SK043AY05055=	550
44		SK043AY05044=	688
35		SK043AY05035=	865
29	56C-K043	SK043AY05029=	1044
25		SK043AY05025=	1211
22		SK043AY05022=	1376
18		SK043AY05018=	1681
16	56C-K043	SK043AY05016=	1892
14		SK043AY05014=	2162

.50 Horsepower			
F/L RPM	HOLLOW Output Shaft		Output Torque
	Frame	Model No.	
159	56C-K043	SK043HY05159=*	190
146		SK043HY05146=*	207
125		SK043HY05125=*	242
109		SK043HY05109=*	277
97	56C-K043	SK043HY05097=*	312
88		SK043HY05088=*	344
80		SK043HY05080=*	378
70		SK043HY05070=*	432
63	56C-K043	SK043HY05063=*	480
55		SK043HY05055=*	550
44		SK043HY05044=*	688
35		SK043HY05035=*	865
29	56C-K043	SK043HY05029=*	1044
25		SK043HY05025=*	1211
22		SK043HY05022=*	1376
18		SK043HY05018=*	1681
16	56C-K043	SK043HY05016=*	1892
14		SK043HY05014=*	2162

.75 Horsepower			
F/L RPM	SOLID Output Shaft		Output Torque
	Frame	Model No.	
159	56C-K043	SK043AY07159=	286
146		SK043AY07146=	311
125		SK043AY07125=	363
109		SK043AY07109=	416
97	56C-K043	SK043AY07097=	468
88		SK043AY07088=	516
80		SK043AY07080=	567
70		SK043AY07070=	649
63	56C-K043	SK043AY07063=	721
55		SK043AY07055=	825
44		SK043AY07044=	1032
35		SK043AY07035=	1297
29	56C-K043	SK043AY07029=	1565
25		SK043AY07025=	1816
22		SK043AY07022=	2063
18		SK043AY07018=	2522
16	56C-K043	SK043AY07016=	2837
14		SK043AY07014=	3243

.75 Horsepower			
F/L RPM	HOLLOW Output Shaft		Output Torque
	Frame	Model No.	
159	56C-K043	SK043HY07159=*	286
146		SK043HY07146=*	311
125		SK043HY07125=*	363
109		SK043HY07109=*	416
97	56C-K043	SK043HY07097=*	468
88		SK043HY07088=*	516
80		SK043HY07080=*	567
70		SK043HY07070=*	649
63	56C-K043	SK043HY07063=*	721
55		SK043HY07055=*	825
44		SK043HY07044=*	1032
35		SK043HY07035=*	1297
29	56C-K043	SK043HY07029=*	1565
25		SK043HY07025=*	1816
22		SK043HY07022=*	2063
18		SK043HY07018=*	2522
16	56C-K043	SK043HY07016=*	2837
14		SK043HY07014=*	3243

= To be user specified for required output shaft assembly position

= To be user specified for required output bore size
Reference Catalog Page C2 for complete bore size listing
UTB = Universal Tapered Bushing Design
(reference catalog page C6) for Part Number selection by bore size.

Bushings are Sold Separately

* To be user specified for application required mounting position
(reference catalog page D9 for assembly positions).

Sterli-Seal ® Washdown Duty NEMA Premium Efficient

1 Horsepower			
F/L RPM	SOLID Output Shaft		Output Torque
	Frame	Model No.	
159	143TC-K043	SPK043A001159=	381
146		SPK043A001146=	415
125	143TC-K043	SPK043A001125=	484
109		SPK043A001109=	555
97	143TC-K043	SPK043A001097=	624
88		SPK043A001088=	688
80	143TC-K043	SPK043A001080=	757
70		SPK043A001070=	865
63	143TC-K043	SPK043A001063=	961
55		SPK043A001055=	1101
44	143TC-K043	SPK043A001044=	1376
35		SPK043A001035=	1729
29	143TC-K043	SPK043A001029=	2087
25		SPK043A001025=	2421
22	143TC-K043	SPK043A001022=	2751
18		SPK043A001018=	3363
16	143TC-K043	SPK043A001016=	3783
15	143TC-K063	SPK063A001015=	4035

1 Horsepower			
F/L RPM	HOLLOW Output Shaft		Output Torque
	Frame	Model No.	
159	143TC-K043	SPK043H001159=*	381
146		SPK043H001146=*	415
125	143TC-K043	SPK043H001125=*	484
109		SPK043H001109=*	555
97	143TC-K043	SPK043H001097=*	624
88		SPK043H001088=*	688
80	143TC-K043	SPK043H001080=*	757
70		SPK043H001070=*	865
63	143TC-K043	SPK043H001063=*	961
55		SPK043H001055=*	1101
44	143TC-K043	SPK043H001044=*	1376
35		SPK043H001035=*	1729
29	143TC-K043	SPK043H001029=*	2087
25		SPK043H001025=*	2421
22	143TC-K043	SPK043H001022=*	2751
18		SPK043H001018=*	3363
16	143TC-K043	SPK043H001016=*	3783
15	143TC-K063	SPK063H001015=*	4035

1.5 Horsepower			
F/L RPM	SOLID Output Shaft		Output Torque
	Frame	Model No.	
159	145TC-K043	SPK043AY15159=	571
146		SPK043AY15146=	622
125	145TC-K043	SPK043AY15125=	726
109		SPK043AY15109=	833
97	145TC-K043	SPK043AY15097=	936
88		SPK043AY15088=	1032
80	145TC-K043	SPK043AY15080=	1135
70		SPK043AY15070=	1297
63	145TC-K043	SPK043AY15063=	1441
55		SPK043AY15055=	1651
44	145TC-K043	SPK043AY15044=	2063
35		SPK043AY15035=	2594
29	145TC-K043	SPK043AY15029=	3131
25	145TC-K063	SPK063AY15025=	3632
22		SPK063AY15022=	4127
18	145TC-K063	SPK063AY15018=	5044
16		SPK063AY15016=	5675
15	145TC-K063	SPK063AY15015=	6053

1.5 Horsepower			
F/L RPM	HOLLOW Output Shaft		Output Torque
	Frame	Model No.	
159	145TC-K043	SPK043HY15159=*	571
146		SPK043HY15146=*	622
125	145TC-K043	SPK043HY15125=*	726
109		SPK043HY15109=*	833
97	145TC-K043	SPK043HY15097=*	936
88		SPK043HY15088=*	1032
80	145TC-K043	SPK043HY15080=*	1135
70		SPK043HY15070=*	1297
63	145TC-K043	SPK043HY15063=*	1441
55		SPK043HY15055=*	1651
44	145TC-K043	SPK043HY15044=*	2063
35		SPK043HY15035=*	2594
29	145TC-K043	SPK043HY15029=*	3131
25	145TC-K063	SPK063HY15025=*	3632
22		SPK063HY15022=*	4127
18	145TC-K063	SPK063HY15018=*	5044
16		SPK063HY15016=*	5675
15	145TC-K063	SPK063HY15015=*	6053

2 Horsepower			
F/L RPM	SOLID Output Shaft		Output Torque
	Frame	Model No.	
159	145TC-K043	SPK043A002159=	745
146		SPK043A002146=	829
125	145TC-K043	SPK043A002125=	968
109		SPK043A002109=	1111
97	145TC-K043	SPK043A002097=	1248
88		SPK043A002088=	1376
80	145TC-K043	SPK043A002080=	1513
70		SPK043A002070=	1729
63	145TC-K043	SPK043A002063=	1922
55		SPK043A002055=	2201
44	145TC-K043	SPK043A002044=	2751
35		SPK043A002035=	3459
29	145TC-K063	SPK063A002029=	4174
25		SPK063A002025=	4842
22	145TC-K063	SPK063A002022=	5503
18		SPK063A002018=	6725
16	145TC-K073	SPK073A003016=	7566
13		SPK073A003013=	9312

2 Horsepower			
F/L RPM	HOLLOW Output Shaft		Output Torque
	Frame	Model No.	
159	145TC-K043	SPK043H002159=*	745
146		SPK043H002146=*	829
125	145TC-K043	SPK043H002125=*	968
109		SPK043H002109=*	1111
97	145TC-K043	SPK043H002097=*	1248
88		SPK043H002088=*	1376
80	145TC-K043	SPK043H002080=*	1513
70		SPK043H002070=*	1729
63	145TC-K043	SPK043H002063=*	1922
55		SPK043H002055=*	2201
44	145TC-K043	SPK043H002044=*	2751
35		SPK043H002035=*	3459
29	145TC-K063	SPK063H002029=*	4174
25		SPK063H002025=*	4842
22	145TC-K063	SPK063H002022=*	5503
18		SPK063H002018=*	6725
16	145TC-K073	SPK073H002016=*	7566
13		SPK073H002013=*	9312

= To be user specified for required output shaft assembly position

= To be user specified for required output bore size
Reference Catalog Page C2 for complete bore size listing
UTB = Universal Tapered Bushing Design
(reference catalog page C6) for Part Number selection by bore size.

Bushings are Sold Separately

* To be user specified for application required mounting position
(reference catalog page D9 for assembly positions).

Sterli-Seal ® Washdown Duty NEMA Premium Efficient

3 Horsepower			
F/L RPM	SOLID Output Shaft		Output Torque
	Frame	Model No.	
159	182TC-K043	SPK043A003159=	1142
146		SPK043A003146=	1244
125		SPK043A003125=	1453
109		SPK043A003109=	1666
97	182TC-K043	SPK043A003097=	1872
88		SPK043A003088=	2063
80		SPK043A003080=	2270
70		SPK043A003070=	2594
63	182TC-K043	SPK043A003063=	2882
55		SPK043A003055=	3302
44	182TC-K063	SPK063A003044=	4127
36		SPK063A003036=	5044
29		SPK063A003029=	6262
23	182TC-K073	SPK073A003023=	7895
21		SPK073A003021=	8646
17		SPK073A003017=	10681
16		SPK073A003016=	11349

3 Horsepower			
F/L RPM	HOLLOW Output Shaft		Output Torque
	Frame	Model No.	
159	182TC-K043	SPK043H003159=*	1142
146		SPK043H003146=*	1244
125		SPK043H003125=*	1453
109		SPK043H003109=*	1666
97	182TC-K043	SPK043H003097=*	1872
88		SPK043H003088=*	2063
80		SPK043H003080=*	2270
70		SPK043H003070=*	2594
63	182TC-K043	SPK043H003063=*	2882
55		SPK043H003055=*	3302
44	182TC-K063	SPK063H003044=*	4127
36		SPK063H003036=*	5044
29		SPK063H003029=*	6262
23	182TC-K073	SPK073H003023=*	7895
21		SPK073H003021=*	8646
17		SPK073H003017=*	10681
16		SPK073H003016=*	11349

5 Horsepower			
F/L RPM	SOLID Output Shaft		Output Torque
	Frame	Model No.	
159	184TC-K043	SPK043A005159=	1903
146		SPK043A005146=	2072
125		SPK043A005125=	2421
111	184TC-K063	SPK063A005111=	2726
99		SPK063A005099=	3057
87		SPK063A005087=	3478
80		SPK063A005080=	3783
70	184TC-K063	SPK063A005070=	4323
63		SPK063A005063=	4804
54		SPK063A005054=	5604
41	184TC-K073	SPK073A005041=	7381
34		SPK073A005034=	8901
27		SPK073A005027=	11209
23		SPK073A005023=	13158
21	184TC-K073	SPK073A005021=	14411

5 Horsepower			
F/L RPM	HOLLOW Output Shaft		Output Torque
	Frame	Model No.	
159	184TC-K043	SPK043H005159=*	1903
146		SPK043H005146=*	2072
125		SPK043H005125=*	2421
111	184TC-K063	SPK063H005111=*	2726
99		SPK063H005099=*	3057
87		SPK063H005087=*	3478
80		SPK063H005080=*	3783
70	184TC-K063	SPK063H005070=*	4323
63		SPK063H005063=*	4804
54		SPK063H005054=*	5604
41	184TC-K073	SPK073H005041=*	7381
34		SPK073H005034=*	8901
27		SPK073H005027=*	11209
23		SPK073H005023=*	13158
21	184TC-K073	SPK073H005021=*	14411

7.5 Horsepower			
F/L RPM	SOLID Output Shaft		Output Torque
	Frame	Model No.	
157	213TC-K063	SPK063AY75157=	2891
140		SPK063AY75140=	3242
125		SPK063AY75125=	3632
111		SPK063AY75111=	4090
98	213TC-K063	SPK063AY75097=	4632
87		SPK063AY75087=	5218
80		SPK063AY75080=	5675
75	213TC-K073	SPK073AY75075=	6053
66		SPK073AY75066=	6878
60		SPK073AY75060=	7566
51		SPK073AY75051=	8901
41	213TC-K073	SPK073AY75041=	11072
34		SPK073AY75034=	13352

7.5 Horsepower			
F/L RPM	HOLLOW Output Shaft		Output Torque
	Frame	Model No.	
159	213TC-K063	SPK063HY75159=*	2891
146		SPK063HY75146=*	3242
125		SPK063HY75125=*	3632
109		SPK063HY75109=*	4090
97	213TC-K063	SPK063HY75097=*	4632
88		SPK063HY75088=*	5218
80		SPK063HY75080=*	5675
75	213TC-K073	SPK073HY75075=*	6053
66		SPK073HY75066=*	6878
60		SPK073HY75060=*	7566
51		SPK073HY75051=*	8901
41	213TC-K073	SPK073HY75041=*	11072
34		SPK073HY75034=*	13352

= To be user specified for required output shaft assembly position

= To be user specified for required output bore size
Reference Catalog Page C2 for complete bore size listing
UTB = Universal Tapered Bushing Design
(reference catalog page C6) for Part Number selection by bore size.

Bushings are Sold Separately

* To be user specified for application required mounting position
(reference catalog page D9 for assembly positions).

Sterli-Seal ® Washdown Duty NEMA Premium Efficient

10 Horsepower			
F/L RPM	SOLID Output Shaft		Output Torque
	Frame	Model No.	
157	215TC-K063	SPK063A010157=	3855
140		SPK063A010140=	4323
125		SPK063A010125=	4842
111		SPK063A010111=	5681
105	215TC-K073	SPK073A010105=	5765
93	215TC-K073	SPK073A010093=	6508
82		SPK073A010082=	7381
75		SPK073A010075=	8070
66	215TC-K073	SPK073A010066=	9171
60		SPK073A010060=	10088
51	215TC-K073	SPK073A010051=	11868

15 Horsepower			
F/L RPM	SOLID Output Shaft		Output Torque
	Frame	Model No.	
148	254TC-K073	SPK073A015148=	6135
132		SPK073A015132=	6878
118	254TC-K073	SPK073A015118=	7694
105		SPK073A015105=	8647
93	254TC-K073	SPK073A015093=	9763
82		SPK073A015082=	11072

20 Horsepower			
F/L RPM	SOLID Output Shaft		Output Torque
	Frame	Model No.	
148	256TC-K073	SPK073A020148=	8179
132		SPK073A020132=	9171
118	256TC-K073	SPK073A020118=	10259

= To be user specified for required output shaft assembly position

10 Horsepower			
F/L RPM	HOLLOW Output Shaft		Output Torque
	Frame	Model No.	
157	215TC-K063	SPK063H010157=*	3855
140		SPK063H010140=*	4323
125		SPK063H010125=*	4842
111		SPK063H010111=*	5681
105	215TC-K073	SPK073H010105=	5765
93	215TC-K073	SPK073H010093=	6508
82		SPK073H010082=	7381
75		SPK073H010075=	8070
66	215TC-K073	SPK073H010066=	9171
60		SPK073H010060=	10088
51	215TC-K073	SPK073H010051=	11868

15 Horsepower			
F/L RPM	HOLLOW Output Shaft		Output Torque
	Frame	Model No.	
148	254TC-K073	SPK073H015148=	6135
132		SPK073H015132=	6878
118	254TC-K073	SPK073H015118=	7694
105		SPK073H015105=	8647
93	254TC-K073	SPK073H015093=	9763
82		SPK073H015082=	11072

20 Horsepower			
F/L RPM	HOLLOW Output Shaft		Output Torque
	Frame	Model No.	
148	256TC-K073	SPK073H020148=	8179
132		SPK073H020132=	9171
118	256TC-K073	SPK073H020118=	10259

= To be user specified for required output bore size

Reference Catalog Page C2 for complete bore size listing

UTB = Universal Tapered Bushing Design

(reference catalog page C6) for Part Number selection by bore size.

Bushings are Sold Separately

* To be user specified for application required mounting position
(reference catalog page D9 for assembly positions).

Sterli-Seal® All Stainless Steel Washdown Duty

.33 Horsepower			
F/L RPM	SOLID Output Shaft		Output Torque
	Frame	Model No.	
163	56C-K333	SSK333AY03163=	120
148		SSK333AY03148=	132
127	56C-K333	SSK333AY03127=	154
110		SSK333AY03110=	178
99	56C-K333	SSK333AY03099=	198
89		SSK333AY03089=	220
80	56C-K333	SSK333AY03080=	244
71		SSK333AY03071=	275
63	56C-K333	SSK333AY03063=	310
55		SSK333AY03055=	356
45	56C-K333	SSK333AY03045=	435
35		SSK333AY03035=	559
30	56C-K333	SSK333AY03030=	652
24		SSK333AY03024=	815
21	56C-K333	SSK333AY03021=	931
19		SSK333AY03019=	1029
17	56C-K333	SSK333AY03017=	1150
15		SSK333AY03015=	1304

.33 Horsepower			
F/L RPM	HOLLOW Output Shaft		Output Torque
	Frame	Model No.	
163	56C-K333	SSK333HY03163=*	120
148		SSK333HY03148=*	132
127	56C-K333	SSK333HY03127=*	154
110		SSK333HY03110=*	178
99	56C-K333	SSK333HY03099=*	198
89		SSK333HY03089=*	220
80	56C-K333	SSK333HY03080=*	244
71		SSK333HY03071=*	275
63	56C-K333	SSK333HY03063=*	310
55		SSK333HY03055=*	356
45	56C-K333	SSK333HY03045=*	435
35		SSK333HY03035=*	559
30	56C-K333	SSK333HY03030=*	652
24		SSK333HY03024=*	815
21	56C-K333	SSK333HY03021=*	931
19		SSK333HY03019=*	1029
17	56C-K333	SSK333HY03017=*	1150
15		SSK333HY03015=*	1304

.50 Horsepower			
F/L RPM	SOLID Output Shaft		Output Torque
	Frame	Model No.	
163	56C-K333	SSK333AY05163=	182
148		SSK333AY05148=	200
127	56C-K333	SSK333AY05127=	233
110		SSK333AY05110=	269
99	56C-K333	SSK333AY05099=	299
89		SSK333AY05089=	333
80	56C-K333	SSK333AY05080=	370
71		SSK333AY05071=	417
63	56C-K333	SSK333AY05063=	470
55		SSK333AY05055=	539
45	56C-K333	SSK333AY05045=	659
35		SSK333AY05035=	847
30	56C-K333	SSK333AY05030=	988
24		SSK333AY05024=	1235
21	56C-K333	SSK333AY05021=	1411
19		SSK333AY05019=	1560
17	56C-K333	SSK333AY05017=	1743
14	56C-K343	SSK343AY05014=	2162

.50 Horsepower			
F/L RPM	HOLLOW Output Shaft		Output Torque
	Frame	Model No.	
163	56C-K333	SSK333HY05163=*	182
148		SSK333HY05148=*	200
127	56C-K333	SSK333HY05127=*	233
110		SSK333HY05110=*	269
99	56C-K333	SSK333HY05099=*	299
89		SSK333HY05089=*	333
80	56C-K333	SSK333HY05080=*	370
71		SSK333HY05071=*	417
63	56C-K333	SSK333HY05063=*	470
55		SSK333HY05055=*	539
45	56C-K333	SSK333HY05045=*	659
35		SSK333HY05035=*	847
30	56C-K333	SSK333HY05030=*	988
24		SSK333HY05024=*	1235
21	56C-K333	SSK333HY05021=*	1411
19		SSK333HY05019=*	1560
17	56C-K333	SSK333HY05017=*	1743
14	56C-K343	SSK343HY05014=*	2162

.75 Horsepower			
F/L RPM	SOLID Output Shaft		Output Torque
	Frame	Model No.	
163	56C-K333	SSK333AY07163=	273
148		SSK333AY07148=	300
127	56C-K333	SSK333AY07127=	350
110		SSK333AY07110=	404
99	56C-K333	SSK333AY07099=	449
89		SSK333AY07089=	499
80	56C-K333	SSK333AY07080=	556
71		SSK333AY07071=	626
63	56C-K333	SSK333AY07063=	706
55		SSK333AY07055=	808
45	56C-K333	SSK333AY07045=	988
35		SSK333AY07035=	1270
30	56C-K333	SSK333AY07030=	1482
24		SSK333AY07024=	1852
22	56C-K343	SSK343AY07022=	2063
18		SSK343AY07018=	2522
16	56C-K343	SSK343AY07016=	2837
14		SSK343AY07014=	3243

.75 Horsepower			
F/L RPM	HOLLOW Output Shaft		Output Torque
	Frame	Model No.	
163	56C-K333	SSK333HY07163=*	273
148		SSK333HY07148=*	300
127	56C-K333	SSK333HY07127=*	350
110		SSK333HY07110=*	404
99	56C-K333	SSK333HY07099=*	449
89		SSK333HY07089=*	499
80	56C-K333	SSK333HY07080=*	556
71		SSK333HY07071=*	626
63	56C-K333	SSK333HY07063=*	706
55		SSK333HY07055=*	808
45	56C-K333	SSK333HY07045=*	988
35		SSK333HY07035=*	1270
30	56C-K333	SSK333HY07030=*	1482
24		SSK333HY07024=*	1852
22	56C-K343	SSK343HY07022=*	2063
18		SSK343HY07018=*	2522
16	56C-K343	SSK343HY07016=*	2837
14		SSK343HY07014=*	3243

= To be user specified for required output shaft assembly position

= To be user specified for required output bore size
Reference Catalog Page C2 for complete bore size listing
UTB = Universal Tapered Bushing Design
(reference catalog page C6) for Part Number selection by bore size.

Bushings are Sold Separately

* To be user specified for application required mounting position
(reference catalog page D9 for assembly positions).

Sterli-Seal® All Stainless Steel Washdown Duty NEMA Premium Efficient

1 Horsepower			
F/L RPM	SOLID Output Shaft		Output Torque
	Frame	Model No.	
163	143TC-K333	SSPK333A001163=	364
148		SSPK333A001148=	400
127	143TC-K333	SSPK333A001127=	467
110		SSPK333A001110=	539
99	143TC-K333	SSPK333A001099=	599
89		SSPK333A001089=	666
80	143TC-K333	SSPK333A001080=	741
71		SSPK333A001071=	835
63	143TC-K333	SSPK333A001063=	941
55		SSPK333A001055=	1078
45	143TC-K333	SSPK333A001045=	1317
35		SSPK333A001035=	1693
30	143TC-K333	SSPK333A001030=	1976
25		SSPK343A001025=	2421
22	143TC-K343	SSPK343A001022=	2751
18		SSPK343A001018=	3363
16	143TC-K343	SSPK343A001016=	3783
15	143TC-K363	SSPK363A001015=	4035

1 Horsepower			
F/L RPM	HOLLOW Output Shaft		Output Torque
	Frame	Model No.	
163	143TC-K333	SSPK333H001163=*	364
148		SSPK333H001148=*	400
127	143TC-K333	SSPK333H001127=*	467
110		SSPK333H001110=*	539
99	143TC-K333	SSPK333H001099=*	599
89		SSPK333H001089=*	666
80	143TC-K333	SSPK333H001080=*	741
71		SSPK333H001071=*	835
63	143TC-K333	SSPK333H001063=*	941
55		SSPK333H001055=*	1078
45	143TC-K333	SSPK333H001045=*	1317
35		SSPK333H001035=*	1693
30	143TC-K333	SSPK333H001030=*	1976
25		SSPK343H001025=*	2421
22	143TC-K343	SSPK343H001022=*	2751
18		SSPK343H001018=*	3363
16	143TC-K343	SSPK343H001016=*	3783
15	143TC-K363	SSPK363H001015=*	4035

1.5 Horsepower			
F/L RPM	SOLID Output Shaft		Output Torque
	Frame	Model No.	
163	145TC-K333	SSPK333AY15163=	545
148		SSPK333AY15148=	601
127	145TC-K333	SSPK333AY15127=	700
110		SSPK333AY15110=	808
99	145TC-K333	SSPK333AY15099=	898
89		SSPK333AY15089=	999
80	145TC-K333	SSPK333AY15080=	1111
71		SSPK333AY15071=	1252
63	145TC-K333	SSPK333AY15063=	1411
55		SSPK333AY15055=	1616
44	145TC-K343	SSPK343AY15044=	2063
35		SSPK343AY15035=	2594
29	145TC-K343	SSPK343AY15029=	3131
25	145TC-K363	SSPK363AY15025=	3632
22		SSPK363AY15022=	4127
18	145TC-K363	SSPK363AY15018=	5044
16		SSPK363AY15016=	5675
15	145TC-K363	SSPK363AY15015=	6053

1.5 Horsepower			
F/L RPM	HOLLOW Output Shaft		Output Torque
	Frame	Model No.	
163	145TC-K333	SSPK333HY15163=*	545
148		SSPK333HY15148=*	601
127	145TC-K333	SSPK333HY15127=*	700
110		SSPK333HY15110=*	808
99	145TC-K333	SSPK333HY15099=*	898
89		SSPK333HY15089=*	999
80	145TC-K333	SSPK333HY15080=*	1111
71		SSPK333HY15071=*	1252
63	145TC-K333	SSPK333HY15063=*	1411
55		SSPK333HY15055=*	1616
44	145TC-K343	SSPK343HY15044=*	2063
35		SSPK343HY15035=*	2594
29	145TC-K343	SSPK343HY15029=*	3131
25	145TC-K363	SSPK363HY15025=*	3632
22		SSPK363HY15022=*	4127
18	145TC-K363	SSPK363HY15018=*	5044
16		SSPK363HY15016=*	5675
15	145TC-K363	SSPK363HY15015=*	6053

2 Horsepower			
F/L RPM	SOLID Output Shaft		Output Torque
	Frame	Model No.	
163	145TC-K333	SSPK333A002163=	727
148		SSPK333A002148=	801
127	145TC-K333	SSPK333A002127=	933
110		SSPK333A002110=	1078
99	145TC-K333	SSPK333A002099=	1197
89		SSPK333A002089=	1332
80	145TC-K333	SSPK333A002080=	1482
70		SSPK343A002070=	1729
63	145TC-K343	SSPK343A002063=	1922
55		SSPK343A002055=	2201
44	145TC-K343	SSPK343A002044=	2751
35		SSPK343A002035=	3459
29	145TC-K363	SSPK363A002029=	4174
25		SSPK363A002025=	4842
22	145TC-K363	SSPK363A002022=	5503
18		SSPK363A002018=	6725
16	145TC-K373	SSPK373A003016=	7566
13		SSPK373A003013=	9312

2 Horsepower			
F/L RPM	HOLLOW Output Shaft		Output Torque
	Frame	Model No.	
163	145TC-K333	SSPK333H002163=*	727
148		SSPK333H002148=*	801
127	145TC-K333	SSPK333H002127=*	933
110		SSPK333H002110=*	1078
99	145TC-K333	SSPK333H002099=*	1197
89		SSPK333H002089=*	1332
80	145TC-K333	SSPK333H002080=*	1482
70		SSPK343H002070=*	1729
63	145TC-K343	SSPK343H002063=*	1922
55		SSPK343H002055=*	2201
44	145TC-K343	SSPK343H002044=*	2751
35		SSPK343H002035=*	3459
29	145TC-K363	SSPK363H002029=*	4174
25		SSPK363H002025=*	4842
22	145TC-K363	SSPK363H002022=*	5503
18		SSPK363H002018=*	6725
16	145TC-K373	SSPK373H002016=*	7566
13		SSPK373H002013=*	9312

= To be user specified for required output shaft assembly position

= To be user specified for required output bore size
Reference Catalog Page C2 for complete bore size listing
UTB = Universal Tapered Bushing Design
(reference catalog page C6) for Part Number selection by bore size.

Bushings are Sold Separately

* To be user specified for application required mounting position
(reference catalog page D9 for assembly positions).

Sterli-Seal® All Stainless Steel Washdown Duty NEMA Premium Efficient

3 Horsepower			
F/L RPM	SOLID Output Shaft		Output Torque
	Frame	Model No.	
159	182TC-K343	SSPK 343A003159=	1142
146		SSPK 343A003146=	1244
125		SSPK343A003125=	1453
109		SSPK343A003109=	1666
97	182TC-K343	SSPK343A003097=	1872
88		SSPK343A003088=	2063
80		SSPK343A003080=	2270
70		SSPK343A003070=	2594
63	182TC-K343	SSPK343A003063=	2882
55		SSPK343A003055=	3302
44	182TC-K363	SSPK363A003044=	4127
36		SSPK363A003036=	5044
29		SSPK363A003029=	6262
23		SSPK373A003023=	7895
21	182TC-K373	SSPK373A003021=	8646
17		SSPK373A003017=	10681
16		SSPK373A003016=	11349

3 Horsepower			
F/L RPM	HOLLOW Output Shaft		Output Torque
	Frame	Model No.	
159	182TC-K343	SSPK343H003159=*	1142
146		SSPK343H003146=*	1244
125		SSPK343H003125=*	1453
109		SSPK343H003109=*	1666
97	182TC-K343	SSPK343H003097=*	1872
88		SSPK343H003088=*	2063
80		SSPK343H003080=*	2270
70		SSPK343H003070=*	2594
63	182TC-K343	SSPK343H003063=*	2882
55		SSPK343H003055=*	3302
44	182TC-K363	SSPK363H003044=*	4127
36		SSPK363H003036=*	5044
29		SSPK363H003029=*	6262
23		SSPK373H003023=*	7895
21	182TC-K373	SSPK373H003021=*	8646
17		SSPK373H003017=*	10681
16		SSPK373H003016=*	11349

5 Horsepower			
F/L RPM	SOLID Output Shaft		Output Torque
	Frame	Model No.	
159	184TC-K343	SSPK343A005159=	1903
146		SSPK343A005146=	2072
125		SSPK343A005125=	2421
111		SSPK363A005111=	2726
99	184TC-K363	SSPK363A005099=	3057
87		SSPK363A005087=	3478
80		SSPK363A005080=	3783
70		SSPK363A005070=	4323
63	184TC-K363	SSPK363A005063=	4804
54		SSPK363A005054=	5604
41		SSPK373A005041=	7381
34		SSPK373A005034=	8901
27	184TC-K373	SSPK373A005027=	11209
23		SSPK373A005023=	13158
21		SSPK373A005021=	14411

5 Horsepower			
F/L RPM	HOLLOW Output Shaft		Output Torque
	Frame	Model No.	
159	184TC-K343	SSPK343H005159=*	1903
146		SSPK343H005146=*	2072
125		SSPK343H005125=*	2421
111		SSPK363H005111=*	2726
99	184TC-K363	SSPK363H005099=*	3057
87		SSPK363H005087=*	3478
80		SSPK363H005080=*	3783
70		SSPK363H005070=*	4323
63	184TC-K363	SSPK363H005063=*	4804
54		SSPK363H005054=*	5604
41		SSPK373H005041=*	7381
34		SSPK373H005034=*	8901
27	184TC-K373	SSPK373H005027=*	11209
23		SSPK373H005023=*	13158
21		SSPK373H005021=*	14411

7.5 Horsepower			
F/L RPM	SOLID Output Shaft		Output Torque
	Frame	Model No.	
157	213TC-K363	SSPK363AY75157=	2891
140		SSPK363AY75140=	3242
125		SSPK363AY75125=	3632
111		SSPK363AY75111=	4090
98	213TC-K363	SSPK363AY75097=	4632
87		SSPK363AY75087=	5218
80		SSPK363AY75080=	5675
75		SSPK373AY75075=	6053
66	213TC-K373	SSPK373AY75066=	6878
60		SSPK373AY75060=	7566
51		SSPK373AY75051=	8901
41		SSPK373AY75041=	11072
34		SSPK373AY75034=	13352

7.5 Horsepower			
F/L RPM	HOLLOW Output Shaft		Output Torque
	Frame	Model No.	
159	213TC-K363	SSPK363HY75159=*	2891
146		SSPK363HY75146=*	3242
125		SSPK363HY75125=*	3632
109		SSPK363HY75109=*	4090
97	213TC-K363	SSPK363HY75097=*	4632
88		SSPK363HY75088=*	5218
80		SSPK363HY75080=*	5675
75		SSPK373HY75075=*	6053
66	213TC-K373	SSPK373HY75066=*	6878
60		SSPK373HY75060=*	7566
51		SSPK373HY75051=*	8901
41		SSPK373HY75041=*	11072
34		SSPK373HY75034=*	13352

= To be user specified for required output shaft assembly position

= To be user specified for required output bore size
 Reference Catalog Page C2 for complete bore size listing
 UTB = Universal Tapered Bushing Design
 (reference catalog page C6) for Part Number selection by bore size.

Bushings are Sold Separately

* To be user specified for application required mounting position
 (reference catalog page D9 for assembly positions).

Sterli-Seal® All Stainless Steel Washdown Duty NEMA Premium Efficient

10 Horsepower			
F/L RPM	SOLID Output Shaft		Output Torque
	Frame	Model No.	
157	215TC-K363	SSPK363A010157=	3855
140		SSPK363A010140=	4323
125		SSPK363A010125=	4842
111		SSPK363A010111=	5681
105	215TC-K373	SSPK373A010105=	5765
93		SSPK373A010093=	6508
82		SSPK373A010082=	7381
75		SSPK373A010075=	8070
66	215TC-K373	SSPK373A010066=	9171
60		SSPK373A010060=	10088
51	215TC-K373	SSPK373A010051=	11868

10 Horsepower			
F/L RPM	HOLLOW Output Shaft		Output Torque
	Frame	Model No.	
157	215TC-K363	SSPK363H010157=*	3855
140		SSPK363H010140=*	4323
125		SSPK363H010125=*	4842
111		SSPK363H010111=*	5681
105	215TC-K373	SSPK373H010105=	5765
93		SSPK373H010093=	6508
82		SSPK373H010082=	7381
75		SSPK373H010075=	8070
66	215TC-K373	SSPK373H010066=	9171
60		SSPK373H010060=	10088
51	215TC-K373	SSPK373H010051=	11868

15 Horsepower			
F/L RPM	SOLID Output Shaft		Output Torque
	Frame	Model No.	
148	254TC-K373	SSPK373A015148=	6135
132		SSPK373A015132=	6878
118		SSPK373A015118=	7694
105		SSPK373A015105=	8647
93	254TC-K373	SSPK373A015093=	9763
82		SSPK373A015082=	11072

15 Horsepower			
F/L RPM	HOLLOW Output Shaft		Output Torque
	Frame	Model No.	
148	254TC-K373	SSPK373H015148=	6135
132		SSPK373H015132=	6878
118		SSPK373H015118=	7694
105		SSPK373H015105=	8647
93	254TC-K373	SSPK373H015093=	9763
82		SSPK373H015082=	11072

20 Horsepower			
F/L RPM	SOLID Output Shaft		Output Torque
	Frame	Model No.	
148	256TC-K373	SSPK373A020148=	8179
132		SSPK373A020132=	9171
118		SSPK373A020118=	10259

20 Horsepower			
F/L RPM	HOLLOW Output Shaft		Output Torque
	Frame	Model No.	
148	256TC-K373	SSPK373H020148=	8179
132		SSPK373H020132=	9171
118		SSPK373H020118=	10259

= To be user specified for required output shaft assembly position

= To be user specified for required output bore size

Reference Catalog Page C2 for complete bore size listing

UTB = Universal Tapered Bushing Design

(reference catalog page C6) for Part Number selection by bore size.

Bushings are Sold Separately

* To be user specified for application required mounting position
(reference catalog page D9 for assembly positions).

Inverter Duty – 10:1 (6-60Hz) Constant Torque Rated

1 Horsepower			
F/L RPM	SOLID Output Shaft		Output Torque
	Frame	Model No.	
159	143TC-K043	IK043A001159=	381
146		IK043A001146=	415
125		IK043A001125=	484
109		IK043A001109=	555
97	143TC-K043	IK043A001097=	624
88		IK043A001088=	688
80		IK043A001080=	757
70		IK043A001070=	865
63	143TC-K043	IK043A001063=	961
55		IK043A001055=	1101
44		IK043A001044=	1376
35		IK043A001035=	1729
29	143TC-K043	IK043A001029=	2087
25		IK043A001025=	2421
22		IK043A001022=	2751
18		IK043A001018=	3363
16	143TC-K043	IK043A001016=	3783
15		IK063A001015=	4035

1 Horsepower			
F/L RPM	HOLLOW Output Shaft		Output Torque
	Frame	Model No.	
159	143TC-K043	IK043H001159=*	381
146		IK043H001146=*	415
125		IK043H001125=*	484
109		IK043H001109=*	555
97	143TC-K043	IK043H001097=*	624
88		IK043H001088=*	688
80		IK043H001080=*	757
70		IK043H001070=*	865
63	143TC-K043	IK043H001063=*	961
55		IK043H001055=*	1101
44		IK043H001044=*	1376
35		IK043H001035=*	1729
29	143TC-K043	IK043H001029=*	2087
25		IK043H001025=*	2421
22		IK043H001022=*	2751
18		IK043H001018=*	3363
16	143TC-K043	IK043H001016=*	3783
15		IK063H001015=*	4035

1.5 Horsepower			
F/L RPM	SOLID Output Shaft		Output Torque
	Frame	Model No.	
159	145TC-K043	IK043AY15159=	571
146		IK043AY15146=	622
125		IK043AY15125=	726
109		IK043AY15109=	833
97	145TC-K043	IK043AY15097=	936
88		IK043AY15088=	1032
80		IK043AY15080=	1135
70		IK043AY15070=	1297
63	145TC-K043	IK043AY15063=	1441
55		IK043AY15055=	1651
44		IK043AY15044=	2063
35		IK043AY15035=	2594
29	145TC-K043	IK043AY15029=	3131
25		IK063AY15025=	3632
22		IK063AY15022=	4127
18		IK063AY15018=	5044
16	145TC-K063	IK063AY15016=	5675
15		IK063AY15015=	6053

1.5 Horsepower			
F/L RPM	HOLLOW Output Shaft		Output Torque
	Frame	Model No.	
159	145TC-K043	IK043HY15159=*	571
146		IK043HY15146=*	622
125		IK043HY15125=*	726
109		IK043HY15109=*	833
97	145TC-K043	IK043HY15097=*	936
88		IK043HY15088=*	1032
80		IK043HY15080=*	1135
70		IK043HY15070=*	1297
63	145TC-K043	IK043HY15063=*	1441
55		IK043HY15055=*	1651
44		IK043HY15044=*	2063
35		IK043HY15035=*	2594
29	145TC-K043	IK043HY15029=*	3131
25		IK063HY15025=*	3632
22		IK063HY15022=*	4127
18		IK063HY15018=*	5044
16	145TC-K063	IK063HY15016=*	5675
15		IK063HY15015=*	6053

2 Horsepower			
F/L RPM	SOLID Output Shaft		Output Torque
	Frame	Model No.	
159	145TC-K043	IK043A002159=	745
146		IK043A002146=	829
125		IK043A002125=	968
109		IK043A002109=	1111
97	145TC-K043	IK043A002097=	1248
88		IK043A002088=	1376
80		IK043A002080=	1513
70		IK043A002070=	1729
63	145TC-K043	IK043A002063=	1922
55		IK043A002055=	2201
44		IK043A002044=	2751
35		IK043A002035=	3459
29	145TC-K063	IK063A002029=	4174
25		IK063A002025=	4842
22		IK063A002022=	5503
18		IK063A002018=	6725
16	145TC-K073	IK073A003016=	7566
13		IK073A003013=	9312

2 Horsepower			
F/L RPM	HOLLOW Output Shaft		Output Torque
	Frame	Model No.	
159	145TC-K043	IK043H002159=*	745
146		IK043H002146=*	829
125		IK043H002125=*	968
109		IK043H002109=*	1111
97	145TC-K043	IK043H002097=*	1248
88		IK043H002088=*	1376
80		IK043H002080=*	1513
70		IK043H002070=*	1729
63	145TC-K043	IK043H002063=*	1922
55		IK043H002055=*	2201
44		IK043H002044=*	2751
35		IK043H002035=*	3459
29	145TC-K063	IK063H002029=*	4174
25		IK063H002025=*	4842
22		IK063H002022=*	5503
18		IK063H002018=*	6725
16	145TC-K073	IK073H002016=*	7566
13		IK073H002013=*	9312

= To be user specified for required output shaft assembly position

= To be user specified for required output bore size
Reference Catalog Page C2 for complete bore size listing
UTB = Universal Tapered Bushing Design
(reference catalog page C6) for Part Number selection by bore size.

Bushings are Sold Separately

* To be user specified for application required mounting position
(reference catalog page D9 for assembly positions).

Inverter Duty – 10:1 (6-60Hz) Constant Torque Rated

3 Horsepower			
F/L RPM	SOLID Output Shaft		Output Torque
	Frame	Model No.	
159	182TC-K043	IK043A003159=	1142
146		IK043A003146=	1244
125		IK043A003125=	1453
109	182TC-K043	IK043A003109=	1666
97		IK043A003097=	1872
88		IK043A003088=	2063
80	182TC-K043	IK043A003080=	2270
70		IK043A003070=	2594
63		IK043A003063=	2882
55	182TC-K043	IK043A003055=	3302
44	182TC-K063	IK063A003044=	4127
36		IK063A003036=	5044
29		IK063A003029=	6262
23	182TC-K073	IK073A003023=	7895
21		IK073A003021=	8646
17		IK073A003017=	10681
16	182TC-K073	IK073A003016=	11349

3 Horsepower			
F/L RPM	HOLLOW Output Shaft		Output Torque
	Frame	Model No.	
159	182TC-K043	IK043H003159=*	1142
146		IK043H003146=*	1244
125		IK043H003125=*	1453
109	182TC-K043	IK043H003109=*	1666
97		IK043H003097=*	1872
88		IK043H003088=*	2063
80	182TC-K043	IK043H003080=*	2270
70		IK043H003070=*	2594
63		IK043H003063=*	2882
55	182TC-K043	IK043H003055=*	3302
44	182TC-K063	IK063H003044=*	4127
36		IK063H003036=*	5044
29		IK063H003029=*	6262
23	182TC-K073	IK073H003023=*	7895
21		IK073H003021=*	8646
17		IK073H003017=*	10681
16	182TC-K073	IK073H003016=*	11349

5 Horsepower			
F/L RPM	SOLID Output Shaft		Output Torque
	Frame	Model No.	
159	184TC-K043	IK043A005159=	1903
146		IK043A005146=	2072
125		IK043A005125=	2421
111	184TC-K063	IK063A005111=	2726
99		IK063A005099=	3057
87		IK063A005087=	3478
80	184TC-K063	IK063A005080=	3783
70		IK063A005070=	4323
63		IK063A005063=	4804
54	184TC-K063	IK063A005054=	5604
41	184TC-K073	IK073A005041=	7381
34		IK073A005034=	8901
27		IK073A005027=	11209
23	184TC-K073	IK073A005023=	13158
21		IK073A005021=	14411

5 Horsepower			
F/L RPM	HOLLOW Output Shaft		Output Torque
	Frame	Model No.	
159	184TC-K043	IK043H005159=*	1903
146		IK043H005146=*	2072
125		IK043H005125=*	2421
111	184TC-K063	IK063H005111=*	2726
99		IK063H005099=*	3057
87		IK063H005087=*	3478
80	184TC-K063	IK063H005080=*	3783
70		IK063H005070=*	4323
63		IK063H005063=*	4804
54	184TC-K063	IK063H005054=*	5604
41	184TC-K073	IK073H005041=*	7381
34		IK073H005034=*	8901
27		IK073H005027=*	11209
23	184TC-K073	IK073H005023=*	13158
21		IK073H005021=*	14411

7.5 Horsepower			
F/L RPM	SOLID Output Shaft		Output Torque
	Frame	Model No.	
157	213TC-K063	IK063AY75157=	2891
140		IK063AY75140=	3242
125		IK063AY75125=	3632
111	213TC-K063	IK063AY75111=	4090
98		IK063AY75097=	4632
87		IK063AY75087=	5218
80	213TC-K063	IK063AY75080=	5675
75	213TC-K073	IK073AY75075=	6053
66		IK073AY75066=	6878
60		IK073AY75060=	7566
51	213TC-K073	IK073AY75051=	8901
41		IK073AY75041=	11072
34		IK073AY75034=	13352

7.5 Horsepower			
F/L RPM	HOLLOW Output Shaft		Output Torque
	Frame	Model No.	
159	213TC-K063	IK063HY75159=*	2891
146		IK063HY75146=*	3242
125		IK063HY75125=*	3632
109	213TC-K063	IK063HY75109=*	4090
97		IK063HY75097=*	4632
88		IK063HY75088=*	5218
80	213TC-K063	IK063HY75080=*	5675
75	213TC-K073	IK073HY75075=*	6053
66		IK073HY75066=*	6878
60		IK073HY75060=*	7566
51	213TC-K073	IK073HY75051=*	8901
41		IK073HY75041=*	11072
34		IK073HY75034=*	13352

= To be user specified for required output shaft assembly position

= To be user specified for required output bore size
Reference Catalog Page C2 for complete bore size listing
UTB = Universal Tapered Bushing Design
(reference catalog page C6) for Part Number selection by bore size.

Bushings are Sold Separately

* To be user specified for application required mounting position
(reference catalog page D9 for assembly positions).

Inverter Duty – 10:1 (6-60Hz) Constant Torque Rated

10 Horsepower			
F/L RPM	SOLID Output Shaft		Output Torque
	Frame	Model No.	
157	215TC-K063	IK063A010157=	3855
140		IK063A010140=	4323
125		IK063A010125=	4842
111	215TC-K063	IK063A010111=	5681
105	215TC-K073	IK073A010105=	5765
93		IK073A010093=	6508
82		IK073A010082=	7381
75	215TC-K073	IK073A010075=	8070
66		IK073A010066=	9171
60		IK073A010060=	10088
51	215TC-K073	IK073A010051=	11868

10 Horsepower			
F/L RPM	HOLLOW Output Shaft		Output Torque
	Frame	Model No.	
157	215TC-K063	IK063H010157=*	3855
140		IK063H010140=*	4323
125		IK063H010125=*	4842
111	215TC-K063	IK063H010111=*	5681
105	215TC-K073	IK073H010105=	5765
93		IK073H010093=	6508
82		IK073H010082=	7381
75	215TC-K073	IK073H010075=	8070
66		IK073H010066=	9171
60		IK073H010060=	10088
51	215TC-K073	IK073H010051=	11868

15 Horsepower			
F/L RPM	SOLID Output Shaft		Output Torque
	Frame	Model No.	
148	254TC-K073	IK073A015148=	6135
132		IK073A015132=	6878
118		IK073A015118=	7694
105	254TC-K073	IK073A015105=	8647
93		IK073A015093=	9763
82		IK073A015082=	11072

15 Horsepower			
F/L RPM	HOLLOW Output Shaft		Output Torque
	Frame	Model No.	
148	254TC-K073	IK073H015148=	6135
132		IK073H015132=	6878
118		IK073H015118=	7694
105	254TC-K073	IK073H015105=	8647
93		IK073H015093=	9763
82		IK073H015082=	11072

20 Horsepower			
F/L RPM	SOLID Output Shaft		Output Torque
	Frame	Model No.	
148	256TC-K073	IK073A020148=	8179
132		IK073A020132=	9171
118		IK073A020118=	10259

20 Horsepower			
F/L RPM	HOLLOW Output Shaft		Output Torque
	Frame	Model No.	
148	256TC-K073	IK073H020148=	8179
132		IK073H020132=	9171
118		IK073H020118=	10259

= To be user specified for required output shaft assembly position

= To be user specified for required output bore size
Reference Catalog Page C2 for complete bore size listing
UTB = Universal Tapered Bushing Design
(reference catalog page C6) for Part Number selection by bore size.

Bushings are Sold Separately

* To be user specified for application required mounting position
(reference catalog page D9 for assembly positions).

Sterli-Seal® Washdown Inverter Duty – 10:1 (6-60Hz) Constant Torque Rated

1 Horsepower			
F/L RPM	SOLID Output Shaft		Output Torque
	Frame	Model No.	
159	143TC-K043	SIK043A001159=	381
146		SIK043A001146=	415
125	143TC-K043	SIK043A001125=	484
109		SIK043A001109=	555
97	143TC-K043	SIK043A001097=	624
88		SIK043A001088=	688
80	143TC-K043	SIK043A001080=	757
70		SIK043A001070=	865
63	143TC-K043	SIK043A001063=	961
55		SIK043A001055=	1101
44	143TC-K043	SIK043A001044=	1376
35		SIK043A001035=	1729
29	143TC-K043	SIK043A001029=	2087
25		SIK043A001025=	2421
22	143TC-K043	SIK043A001022=	2751
18		SIK043A001018=	3363
16	143TC-K043	SIK043A001016=	3783
15	143TC-K063	SIK063A001015=	4035

1 Horsepower			
F/L RPM	HOLLOW Output Shaft		Output Torque
	Frame	Model No.	
159	143TC-K043	SIK043H001159=*	381
146		SIK043H001146=*	415
125	143TC-K043	SIK043H001125=*	484
109		SIK043H001109=*	555
97	143TC-K043	SIK043H001097=*	624
88		SIK043H001088=*	688
80	143TC-K043	SIK043H001080=*	757
70		SIK043H001070=*	865
63	143TC-K043	SIK043H001063=*	961
55		SIK043H001055=*	1101
44	143TC-K043	SIK043H001044=*	1376
35		SIK043H001035=*	1729
29	143TC-K043	SIK043H001029=*	2087
25		SIK043H001025=*	2421
22	143TC-K043	SIK043H001022=*	2751
18		SIK043H001018=*	3363
16	143TC-K043	SIK043H001016=*	3783
15	143TC-K063	SIK063H001015=*	4035

1.5 Horsepower			
F/L RPM	SOLID Output Shaft		Output Torque
	Frame	Model No.	
159	145TC-K043	SIK043AY15159=	571
146		SIK043AY15146=	622
125	145TC-K043	SIK043AY15125=	726
109		SIK043AY15109=	833
97	145TC-K043	SIK043AY15097=	936
88		SIK043AY15088=	1032
80	145TC-K043	SIK043AY15080=	1135
70		SIK043AY15070=	1297
63	145TC-K043	SIK043AY15063=	1441
55		SIK043AY15055=	1651
44	145TC-K043	SIK043AY15044=	2063
35		SIK043AY15035=	2594
29	145TC-K043	SIK043AY15029=	3131
25	145TC-K063	SIK063AY15025=	3632
22		SIK063AY15022=	4127
18	145TC-K063	SIK063AY15018=	5044
16		SIK063AY15016=	5675
15	145TC-K063	SIK063AY15015=	6053

1.5 Horsepower			
F/L RPM	HOLLOW Output Shaft		Output Torque
	Frame	Model No.	
159	145TC-K043	SIK043HY15159=*	571
146		SIK043HY15146=*	622
125	145TC-K043	SIK043HY15125=*	726
109		SIK043HY15109=*	833
97	145TC-K043	SIK043HY15097=*	936
88		SIK043HY15088=*	1032
80	145TC-K043	SIK043HY15080=*	1135
70		SIK043HY15070=*	1297
63	145TC-K043	SIK043HY15063=*	1441
55		SIK043HY15055=*	1651
44	145TC-K043	SIK043HY15044=*	2063
35		SIK043HY15035=*	2594
29	145TC-K043	SIK043HY15029=*	3131
25	145TC-K063	SIK063HY15025=*	3632
22		SIK063HY15022=*	4127
18	145TC-K063	SIK063HY15018=*	5044
16		SIK063HY15016=*	5675
15	145TC-K063	SIK063HY15015=*	6053

2 Horsepower			
F/L RPM	SOLID Output Shaft		Output Torque
	Frame	Model No.	
159	145TC-K043	SIK043A002159=	745
146		SIK043A002146=	829
125	145TC-K043	SIK043A002125=	968
109		SIK043A002109=	1111
97	145TC-K043	SIK043A002097=	1248
88		SIK043A002088=	1376
80	145TC-K043	SIK043A002080=	1513
70		SIK043A002070=	1729
63	145TC-K043	SIK043A002063=	1922
55		SIK043A002055=	2201
44	145TC-K043	SIK043A002044=	2751
35		SIK043A002035=	3459
29	145TC-K063	SIK063A002029=	4174
25		SIK063A002025=	4842
22	145TC-K063	SIK063A002022=	5503
18		SIK063A002018=	6725
16	145TC-K073	SIK073A003016=	7566
13		SIK073A003013=	9312

= To be user specified for required output shaft assembly position

2 Horsepower			
F/L RPM	HOLLOW Output Shaft		Output Torque
	Frame	Model No.	
159	145TC-K043	SIK043H002159=*	745
146		SIK043H002146=*	829
125	145TC-K043	SIK043H002125=*	968
109		SIK043H002109=*	1111
97	145TC-K043	SIK043H002097=*	1248
88		SIK043H002088=*	1376
80	145TC-K043	SIK043H002080=*	1513
70		SIK043H002070=*	1729
63	145TC-K043	SIK043H002063=*	1922
55		SIK043H002055=*	2201
44	145TC-K043	SIK043H002044=*	2751
35		SIK043H002035=*	3459
29	145TC-K063	SIK063H002029=*	4174
25		SIK063H002025=*	4842
22	145TC-K063	SIK063H002022=*	5503
18		SIK063H002018=*	6725
16	145TC-K073	SIK073H002016=*	7566
13		SIK073H002013=*	9312

= To be user specified for required output bore size
Reference Catalog Page C2 for complete bore size listing
UTB = Universal Tapered Bushing Design
(reference catalog page C6) for Part Number selection by bore size.

Bushings are Sold Separately

* To be user specified for application required mounting position
(reference catalog page D9 for assembly positions).

Sterli-Seal® Washdown Inverter Duty – 10:1 (6-60Hz) Constant Torque Rated

3 Horsepower			
F/L RPM	SOLID Output Shaft		Output Torque
	Frame	Model No.	
159	182TC-K043	SIK043A003159=	1142
146		SIK043A003146=	1244
125		SIK043A003125=	1453
109	182TC-K043	SIK043A003109=	1666
97		SIK043A003097=	1872
88		SIK043A003088=	2063
80	182TC-K043	SIK043A003080=	2270
70		SIK043A003070=	2594
63		SIK043A003063=	2882
55	182TC-K043	SIK043A003055=	3302
44	182TC-K063	SIK063A003044=	4127
36		SIK063A003036=	5044
29		SIK063A003029=	6262
23	182TC-K073	SIK073A003023=	7895
21		SIK073A003021=	8646
17		SIK073A003017=	10681
16		SIK073A003016=	11349

3 Horsepower			
F/L RPM	HOLLOW Output Shaft		Output Torque
	Frame	Model No.	
159	182TC-K043	SIK043H003159=*	1142
146		SIK043H003146=*	1244
125		SIK043H003125=*	1453
109	182TC-K043	SIK043H003109=*	1666
97		SIK043H003097=*	1872
88		SIK043H003088=*	2063
80	182TC-K043	SIK043H003080=*	2270
70		SIK043H003070=*	2594
63		SIK043H003063=*	2882
55	182TC-K043	SIK043H003055=*	3302
44	182TC-K063	SIK063H003044=*	4127
36		SIK063H003036=*	5044
29		SIK063H003029=*	6262
23	182TC-K073	SIK073H003023=*	7895
21		SIK073H003021=*	8646
17		SIK073H003017=*	10681
16		SIK073H003016=*	11349

5 Horsepower			
F/L RPM	SOLID Output Shaft		Output Torque
	Frame	Model No.	
159	184TC-K043	SIK043A005159=	1903
146		SIK043A005146=	2072
125		SIK043A005125=	2421
111	184TC-K063	SIK063A005111=	2726
99		SIK063A005099=	3057
87		SIK063A005087=	3478
80	184TC-K063	SIK063A005080=	3783
70		SIK063A005070=	4323
63		SIK063A005063=	4804
54	184TC-K063	SIK063A005054=	5604
41	184TC-K073	SIK073A005041=	7381
34		SIK073A005034=	8901
27		SIK073A005027=	11209
23	184TC-K073	SIK073A005023=	13158
21		SIK073A005021=	14411

5 Horsepower			
F/L RPM	HOLLOW Output Shaft		Output Torque
	Frame	Model No.	
159	184TC-K043	SIK043H005159=*	1903
146		SIK043H005146=*	2072
125		SIK043H005125=*	2421
111	184TC-K063	SIK063H005111=*	2726
99		SIK063H005099=*	3057
87		SIK063H005087=*	3478
80	184TC-K063	SIK063H005080=*	3783
70		SIK063H005070=*	4323
63		SIK063H005063=*	4804
54	184TC-K063	SIK063H005054=*	5604
41	184TC-K073	SIK073H005041=*	7381
34		SIK073H005034=*	8901
27		SIK073H005027=*	11209
23	184TC-K073	SIK073H005023=*	13158
21		SIK073H005021=*	14411

7.5 Horsepower			
F/L RPM	SOLID Output Shaft		Output Torque
	Frame	Model No.	
157	213TC-K063	SIK063AY75157=	2891
140		SIK063AY75140=	3242
125		SIK063AY75125=	3632
111	213TC-K063	SIK063AY75111=	4090
98		SIK063AY75097=	4632
87		SIK063AY75087=	5218
80	213TC-K063	SIK063AY75080=	5675
75	213TC-K073	SIK073AY75075=	6053
66		SIK073AY75066=	6878
60		SIK073AY75060=	7566
51	213TC-K073	SIK073AY75051=	8901
41		SIK073AY75041=	11072
34		SIK073AY75034=	13352

7.5 Horsepower			
F/L RPM	HOLLOW Output Shaft		Output Torque
	Frame	Model No.	
159	213TC-K063	SIK063HY75159=*	2891
146		SIK063HY75146=*	3242
125		SIK063HY75125=*	3632
109	213TC-K063	SIK063HY75109=*	4090
97		SIK063HY75097=*	4632
88		SIK063HY75088=*	5218
80	213TC-K063	SIK063HY75080=*	5675
75	213TC-K073	SIK073HY75075=*	6053
66		SIK073HY75066=*	6878
60		SIK073HY75060=*	7566
51	213TC-K073	SIK073HY75051=*	8901
41		SIK073HY75041=*	11072
34		SIK073HY75034=*	13352

= To be user specified for required output shaft assembly position

= To be user specified for required output bore size
Reference Catalog Page C2 for complete bore size listing
UTB = Universal Tapered Bushing Design
(reference catalog page C6) for Part Number selection by bore size.

Bushings are Sold Separately

* To be user specified for application required mounting position
(reference catalog page D9 for assembly positions).

Sterli-Seal® Washdown Inverter Duty – 10:1 (6-60Hz) Constant Torque Rated

10 Horsepower			
F/L RPM	SOLID Output Shaft		Output Torque
	Frame	Model No.	
157	215TC-K063	SIK063A010157=	3855
140		SIK063A010140=	4323
125		SIK063A010125=	4842
111		SIK063A010111=	5681
105	215TC-K073	SIK073A010105=	5765
93		SIK073A010093=	6508
82		SIK073A010082=	7381
75		SIK073A010075=	8070
66	215TC-K073	SIK073A010066=	9171
60		SIK073A010060=	10088
51	215TC-K073	SIK073A010051=	11868

10 Horsepower			
F/L RPM	HOLLOW Output Shaft		Output Torque
	Frame	Model No.	
157	215TC-K063	SIK063H010157=*	3855
140		SIK063H010140=*	4323
125		SIK063H010125=*	4842
111		SIK063H010111=*	5681
105	215TC-K073	SIK073H010105=	5765
93		SIK073H010093=	6508
82		SIK073H010082=	7381
75		SIK073H010075=	8070
66	215TC-K073	SIK073H010066=	9171
60		SIK073H010060=	10088
51	215TC-K073	SIK073H010051=	11868

15 Horsepower			
F/L RPM	SOLID Output Shaft		Output Torque
	Frame	Model No.	
148	254TC-K073	SIK073A015148=	6135
132		SIK073A015132=	6878
118		SIK073A015118=	7694
105		SIK073A015105=	8647
93	254TC-K073	SIK073A015093=	9763
82		SIK073A015082=	11072

15 Horsepower			
F/L RPM	HOLLOW Output Shaft		Output Torque
	Frame	Model No.	
148	254TC-K073	SIK073H015148=	6135
132		SIK073H015132=	6878
118		SIK073H015118=	7694
105		SIK073H015105=	8647
93	254TC-K073	SIK073H015093=	9763
82		SIK073H015082=	11072

20 Horsepower			
F/L RPM	SOLID Output Shaft		Output Torque
	Frame	Model No.	
148	256TC-K073	SIK073A020148=	8179
132		SIK073A020132=	9171
118		SIK073A020118=	10259

20 Horsepower			
F/L RPM	HOLLOW Output Shaft		Output Torque
	Frame	Model No.	
148	256TC-K073	SIK073H020148=	8179
132		SIK073H020132=	9171
118		SIK073H020118=	10259

= To be user specified for required output shaft assembly position

= To be user specified for required output bore size
Reference Catalog Page C2 for complete bore size listing
UTB = Universal Tapered Bushing Design
(reference catalog page C6) for Part Number selection by bore size.

Bushings are Sold Separately

* To be user specified for application required mounting position
(reference catalog page D9 for assembly positions).

**Sterli-Seal® All Stainless Steel Washdown Duty
Inverter Duty (10:1 Constant Torque)**

.50 Horsepower			
F/L RPM	SOLID Output Shaft		Output Torque
	Frame	Model No.	
163	56C-K333	SSIK333AY05163=	182
148		SSIK333AY05148=	200
127	56C-K333	SSIK333AY05127=	233
110		SSIK333AY05110=	269
99	56C-K333	SSIK333AY05099=	299
89		SSIK333AY05089=	333
80	56C-K333	SSIK333AY05080=	370
71		SSIK333AY05071=	417
63	56C-K333	SSIK333AY05063=	470
55		SSIK333AY05055=	539
45	56C-K333	SSIK333AY05045=	659
35		SSIK333AY05035=	847
30	56C-K333	SSIK333AY05030=	988
24		SSIK333AY05024=	1235
21	56C-K333	SSIK333AY05021=	1411
19		SSIK333AY05019=	1560
17	56C-K333	SSIK333AY05017=	1743
14	56C-K343	SSIK343AY05014=	2162

.50 Horsepower			
F/L RPM	HOLLOW Output Shaft		Output Torque
	Frame	Model No.	
163	56C-K333	SSIK333HY05163=*	182
148		SSIK333HY05148=*	200
127	56C-K333	SSIK333HY05127=*	233
110		SSIK333HY05110=*	269
99	56C-K333	SSIK333HY05099=*	299
89		SSIK333HY05089=*	333
80	56C-K333	SSIK333HY05080=*	370
71		SSIK333HY05071=*	417
63	56C-K333	SSIK333HY05063=*	470
55		SSIK333HY05055=*	539
45	56C-K333	SSIK333HY05045=*	659
35		SSIK333HY05035=*	847
30	56C-K333	SSIK333HY05030=*	988
24		SSIK333HY05024=*	1235
21	56C-K333	SSIK333HY05021=*	1411
19		SSIK333HY05019=*	1560
17	56C-K333	SSIK333HY05017=*	1743
14	56C-K343	SSIK343HY05014=*	2162

.75 Horsepower			
F/L RPM	SOLID Output Shaft		Output Torque
	Frame	Model No.	
163	56C-K333	SSIK333AY07163=	273
148		SSIK333AY07148=	300
127	56C-K333	SSIK333AY07127=	350
110		SSIK333AY07110=	404
99	56C-K333	SSIK333AY07099=	449
89		SSIK333AY07089=	499
80	56C-K333	SSIK333AY07080=	556
71		SSIK333AY07071=	626
63	56C-K333	SSIK333AY07063=	706
55		SSIK333AY07055=	808
45	56C-K333	SSIK333AY07045=	988
35		SSIK333AY07035=	1270
30	56C-K333	SSIK333AY07030=	1482
24		SSIK333AY07024=	1852
22	56C-K343	SSIK343AY07022=	2063
18		SSIK343AY07018=	2522
16	56C-K343	SSIK343AY07016=	2837
14		SSIK343AY07014=	3243

= To be user specified for required output shaft assembly position

.75 Horsepower			
F/L RPM	HOLLOW Output Shaft		Output Torque
	Frame	Model No.	
163	56C-K333	SSIK333HY07163=*	273
148		SSIK333HY07148=*	300
127	56C-K333	SSIK333HY07127=*	350
110		SSIK333HY07110=*	404
99	56C-K333	SSIK333HY07099=*	449
89		SSIK333HY07089=*	499
80	56C-K333	SSIK333HY07080=*	556
71		SSIK333HY07071=*	626
63	56C-K333	SSIK333HY07063=*	706
55		SSIK333HY07055=*	808
45	56C-K333	SSIK333HY07045=*	988
35		SSIK333HY07035=*	1270
30	56C-K333	SSIK333HY07030=*	1482
24		SSIK333HY07024=*	1852
22	56C-K343	SSIK343HY07022=*	2063
18		SSIK343HY07018=*	2522
16	56C-K343	SSIK343HY07016=*	2837
14		SSIK343HY07014=*	3243

= To be user specified for required output bore size

Reference Catalog Page C2 for complete bore size listing

UTB = Universal Tapered Bushing Design

(reference catalog page C6) for Part Number selection by bore size.

Bushings are Sold Separately

* To be user specified for application required mounting position
(reference catalog page D9 for assembly positions).

**Sterli-Seal® All Stainless Steel Washdown Duty
Inverter Duty (10:1 Constant Torque)**

1 Horsepower			
F/L RPM	SOLID Output Shaft		Output Torque
	Frame	Model No.	
163	143TC-K333	SSIK333A001163=	364
148		SSIK333A001148=	400
127		SSIK333A001127=	467
110	143TC-K333	SSIK333A001110=	539
99		SSIK333A001099=	599
89		SSIK333A001089=	666
80	143TC-K333	SSIK333A001080=	741
71		SSIK333A001071=	835
63		SSIK333A001063=	941
55	143TC-K333	SSIK333A001055=	1078
45		SSIK333A001045=	1317
35		SSIK333A001035=	1693
30	143TC-K333	SSIK333A001030=	1976
25		SSIK343A001025=	2421
22		SSIK343A001022=	2751
18	143TC-K343	SSIK343A001018=	3363
16		SSIK343A001016=	3783
15		SSIK363A001015=	4035

1 Horsepower			
F/L RPM	HOLLOW Output Shaft		Output Torque
	Frame	Model No.	
163	143TC-K333	SSIK333H001163=*	364
148		SSIK333H001148=*	400
127		SSIK333H001127=*	467
110	143TC-K333	SSIK333H001110=*	539
99		SSIK333H001099=*	599
89		SSIK333H001089=*	666
80	143TC-K333	SSIK333H001080=*	741
71		SSIK333H001071=*	835
63		SSIK333H001063=*	941
55	143TC-K333	SSIK333H001055=*	1078
45		SSIK333H001045=*	1317
35		SSIK333H001035=*	1693
30	143TC-K333	SSIK333H001030=*	1976
25		SSIK343H001025=*	2421
22		SSIK343H001022=*	2751
18	143TC-K343	SSIK343H001018=*	3363
16		SSIK343H001016=*	3783
15		SSIK363H001015=*	4035

1.5 Horsepower			
F/L RPM	SOLID Output Shaft		Output Torque
	Frame	Model No.	
163	145TC-K333	SSIK333AY15163=	545
148		SSIK333AY15148=	601
127		SSIK333AY15127=	700
110	145TC-K333	SSIK333AY15110=	808
99		SSIK333AY15099=	898
89		SSIK333AY15089=	999
80	145TC-K333	SSIK333AY15080=	1111
71		SSIK333AY15071=	1252
63		SSIK333AY15063=	1411
55	145TC-K333	SSIK333AY15055=	1616
44		SSIK343AY15044=	2063
35		SSIK343AY15035=	2594
29	145TC-K343	SSIK343AY15029=	3131
25		SSIK363AY15025=	3632
22		SSIK363AY15022=	4127
18	145TC-K363	SSIK363AY15018=	5044
16		SSIK363AY15016=	5675
15		SSIK363AY15015=	6053

1.5 Horsepower			
F/L RPM	HOLLOW Output Shaft		Output Torque
	Frame	Model No.	
163	145TC-K333	SSIK333HY15163=*	545
148		SSIK333HY15148=*	601
127		SSIK333HY15127=*	700
110	145TC-K333	SSIK333HY15110=*	808
99		SSIK333HY15099=*	898
89		SSIK333HY15089=*	999
80	145TC-K333	SSIK333HY15080=*	1111
71		SSIK333HY15071=*	1252
63		SSIK333HY15063=*	1411
55	145TC-K333	SSIK333HY15055=*	1616
44		SSIK343HY15044=*	2063
35		SSIK343HY15035=*	2594
29	145TC-K343	SSIK343HY15029=*	3131
25		SSIK363HY15025=*	3632
22		SSIK363HY15022=*	4127
18	145TC-K363	SSIK363HY15018=*	5044
16		SSIK363HY15016=*	5675
15		SSIK363HY15015=*	6053

2 Horsepower			
F/L RPM	SOLID Output Shaft		Output Torque
	Frame	Model No.	
163	145TC-K333	SSIK333A002163=	727
148		SSIK333A002148=	801
127		SSIK333A002127=	933
110	145TC-K333	SSIK333A002110=	1078
99		SSIK333A002099=	1197
89		SSIK333A002089=	1332
80	145TC-K333	SSIK333A002080=	1482
70		SSIK343A002070=	1729
63		SSIK343A002063=	1922
55	145TC-K343	SSIK343A002055=	2201
44		SSIK343A002044=	2751
35		SSIK343A002035=	3459
29	145TC-K363	SSIK363A002029=	4174
25		SSIK363A002025=	4842
22		SSIK363A002022=	5503
18	145TC-K373	SSIK363A002018=	6725
16		SSIK373A003016=	7566
13		SSIK373A003013=	9312

2 Horsepower			
F/L RPM	HOLLOW Output Shaft		Output Torque
	Frame	Model No.	
163	145TC-K333	SSIK333H002163=*	727
148		SSIK333H002148=*	801
127		SSIK333H002127=*	933
110	145TC-K333	SSIK333H002110=*	1078
99		SSIK333H002099=*	1197
89		SSIK333H002089=*	1332
80	145TC-K333	SSIK333H002080=*	1482
70		SSIK343H002070=*	1729
63		SSIK343H002063=*	1922
55	145TC-K343	SSIK343H002055=*	2201
44		SSIK343H002044=*	2751
35		SSIK343H002035=*	3459
29	145TC-K363	SSIK363H002029=*	4174
25		SSIK363H002025=*	4842
22		SSIK363H002022=*	5503
18	145TC-K373	SSIK363H002018=*	6725
16		SSIK373H002016=*	7566
13		SSIK373H002013=*	9312

= To be user specified for required output shaft assembly position

= To be user specified for required output bore size
Reference Catalog Page C2 for complete bore size listing
UTB = Universal Tapered Bushing Design
(reference catalog page C6) for Part Number selection by bore size.

Bushings are Sold Separately

* To be user specified for application required mounting position
(reference catalog page D9 for assembly positions).

**Sterli-Seal® All Stainless Steel Washdown Duty
Inverter Duty (10:1 Constant Torque)**

3 Horsepower			
F/L RPM	SOLID Output Shaft		Output Torque
	Frame	Model No.	
159	182TC-K343	SSIK343A003159=	1142
146		SSIK343A003146=	1244
125	182TC-K343	SSIK343A003125=	1453
109		SSIK343A003109=	1666
97	182TC-K343	SSIK343A003097=	1872
88		SSIK343A003088=	2063
80	182TC-K343	SSIK343A003080=	2270
70		SSIK343A003070=	2594
63	182TC-K343	SSIK343A003063=	2882
55		SSIK343A003055=	3302
44	182TC-K363	SSIK363A003044=	4127
36		SSIK363A003036=	5044
29	182TC-K363	SSIK363A003029=	6262
23	182TC-K373	SSIK373A003023=	7895
21		SSIK373A003021=	8646
17	182TC-K373	SSIK373A003017=	10681
16		SSIK373A003016=	11349

3 Horsepower			
F/L RPM	HOLLOW Output Shaft		Output Torque
	Frame	Model No.	
159	182TC-K343	SSIK343H003159=*	1142
146		SSIK343H003146=*	1244
125	182TC-K343	SSIK343H003125=*	1453
109		SSIK343H003109=*	1666
97	182TC-K343	SSIK343H003097=*	1872
88		SSIK343H003088=*	2063
80	182TC-K343	SSIK343H003080=*	2270
70		SSIK343H003070=*	2594
63	182TC-K343	SSIK343H003063=*	2882
55		SSIK343H003055=*	3302
44	182TC-K363	SSIK363H003044=*	4127
36		SSIK363H003036=*	5044
29	182TC-K363	SSIK363H003029=*	6262
23	182TC-K373	SSIK373H003023=*	7895
21		SSIK373H003021=*	8646
17	182TC-K373	SSIK373H003017=*	10681
16		SSIK373H003016=*	11349

5 Horsepower			
F/L RPM	SOLID Output Shaft		Output Torque
	Frame	Model No.	
159	184TC-K343	SSIK343A005159=	1903
146		SSIK343A005146=	2072
125	184TC-K343	SSIK343A005125=	2421
111	184TC-K363	SSIK363A005111=	2726
99		SSIK363A005099=	3057
87	184TC-K363	SSIK363A005087=	3478
80		SSIK363A005080=	3783
70	184TC-K363	SSIK363A005070=	4323
63		SSIK363A005063=	4804
54	184TC-K363	SSIK363A005054=	5604
41	184TC-K373	SSIK373A005041=	7381
34		SSIK373A005034=	8901
27	184TC-K373	SSIK373A005027=	11209
23		SSIK373A005023=	13158
21	184TC-K373	SSIK373A005021=	14411

5 Horsepower			
F/L RPM	HOLLOW Output Shaft		Output Torque
	Frame	Model No.	
159	184TC-K343	SSIK343H005159=*	1903
146		SSIK343H005146=*	2072
125	184TC-K343	SSIK343H005125=*	2421
111	184TC-K363	SSIK363H005111=*	2726
99		SSIK363H005099=*	3057
87	184TC-K363	SSIK363H005087=*	3478
80		SSIK363H005080=*	3783
70	184TC-K363	SSIK363H005070=*	4323
63		SSIK363H005063=*	4804
54	184TC-K363	SSIK363H005054=*	5604
41	184TC-K373	SSIK373H005041=*	7381
34		SSIK373H005034=*	8901
27	184TC-K373	SSIK373H005027=*	11209
23		SSIK373H005023=*	13158
21	184TC-K373	SSIK373H005021=*	14411

7.5 Horsepower			
F/L RPM	SOLID Output Shaft		Output Torque
	Frame	Model No.	
157	213TC-K363	SSIK363AY75157=	2891
140		SSIK363AY75140=	3242
125	213TC-K363	SSIK363AY75125=	3632
111		SSIK363AY75111=	4090
98	213TC-K363	SSIK363AY75097=	4632
87		SSIK363AY75087=	5218
80	213TC-K363	SSIK363AY75080=	5675
75	213TC-K373	SSIK373AY75075=	6053
66		SSIK373AY75066=	6878
60	213TC-K373	SSIK373AY75060=	7566
51		SSIK373AY75051=	8901
41	213TC-K373	SSIK373AY75041=	11072
34		SSIK373AY75034=	13352

7.5 Horsepower			
F/L RPM	HOLLOW Output Shaft		Output Torque
	Frame	Model No.	
159	213TC-K363	SSIK363HY75159=*	2891
146		SSIK363HY75146=*	3242
125	213TC-K363	SSIK363HY75125=*	3632
109		SSIK363HY75109=*	4090
97	213TC-K363	SSIK363HY75097=*	4632
88		SSIK363HY75088=*	5218
80	213TC-K363	SSIK363HY75080=*	5675
75	213TC-K373	SSIK373HY75075=*	6053
66		SSIK373HY75066=*	6878
60	213TC-K373	SSIK373HY75060=*	7566
51		SSIK373HY75051=*	8901
41	213TC-K373	SSIK373HY75041=*	11072
34		SSIK373HY75034=*	13352

= To be user specified for required output shaft assembly position

= To be user specified for required output bore size
Reference Catalog Page C2 for complete bore size listing
UTB = Universal Tapered Bushing Design
(reference catalog page C6) for Part Number selection by bore size.

Bushings are Sold Separately

* To be user specified for application required mounting position
(reference catalog page D9 for assembly positions).

***Sterli-Seal® All Stainless Steel Washdown Duty
Inverter Duty (10:1 Constant Torque)***

10 Horsepower			
F/L RPM	SOLID Output Shaft		Output Torque
	Frame	Model No.	
157	215TC-K363	SSIK363A010157=	3855
140		SSIK363A010140=	4323
125		SSIK363A010125=	4842
111		SSIK363A010111=	5681
105	215TC-K373	SSIK373A010105=	5765
93	215TC-K373	SSIK373A010093=	6508
82		SSIK373A010082=	7381
75		SSIK373A010075=	8070
66	215TC-K373	SSIK373A010066=	9171
60		SSIK373A010060=	10088
51	215TC-K373	SSIK373A010051=	11868

10 Horsepower			
F/L RPM	HOLLOW Output Shaft		Output Torque
	Frame	Model No.	
157	215TC-K363	SSIK363H010157=*	3855
140		SSIK363H010140=*	4323
125		SSIK363H010125=*	4842
111		SSIK363H010111=*	5681
105	215TC-K373	SSIK373H010105=	5765
93	215TC-K373	SSIK373H010093=	6508
82		SSIK373H010082=	7381
75		SSIK373H010075=	8070
66	215TC-K373	SSIK373H010066=	9171
60		SSIK373H010060=	10088
51	215TC-K373	SSIK373H010051=	11868

15 Horsepower			
F/L RPM	SOLID Output Shaft		Output Torque
	Frame	Model No.	
148	254TC-K373	SSIK373A015148=	6135
132		SSIK373A015132=	6878
118	254TC-K373	SSIK373A015118=	7694
105		SSIK373A015105=	8647
93	254TC-K373	SSIK373A015093=	9763
82		SSIK373A015082=	11072

15 Horsepower			
F/L RPM	HOLLOW Output Shaft		Output Torque
	Frame	Model No.	
148	254TC-K373	SSIK373H015148=	6135
132		SSIK373H015132=	6878
118	254TC-K373	SSIK373H015118=	7694
105		SSIK373H015105=	8647
93	254TC-K373	SSIK373H015093=	9763
82		SSIK373H015082=	11072

20 Horsepower			
F/L RPM	SOLID Output Shaft		Output Torque
	Frame	Model No.	
148	256TC-K373	SSIK373A020148=	8179
132		SSIK373A020132=	9171
118	256TC-K373	SSIK373A020118=	10259

20 Horsepower			
F/L RPM	HOLLOW Output Shaft		Output Torque
	Frame	Model No.	
148	256TC-K373	SSIK373H020148=	8179
132		SSIK373H020132=	9171
118	256TC-K373	SSIK373H020118=	10259

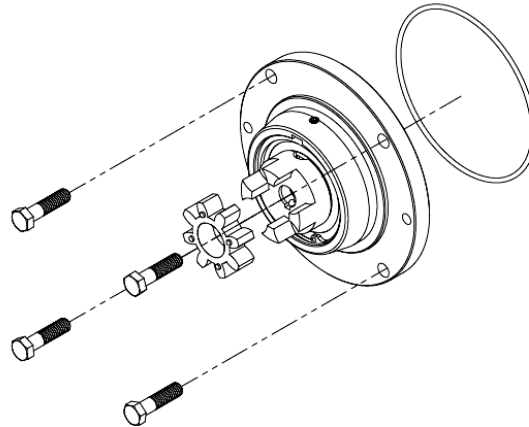
= To be user specified for required output shaft assembly position

= To be user specified for required output bore size
Reference Catalog Page C2 for complete bore size listing
UTB = Universal Tapered Bushing Design
(reference catalog page C6) for Part Number selection by bore size.

Bushings are Sold Separately

* To be user specified for application required mounting position
(reference catalog page D9 for assembly positions).

2000HG IN-LINE HELICAL / 2000HB HELICAL BEVEL BACKSTOP SELECTION AND INSTALLATION GUIDE



Rotation of output shaft must be specified at time of ordering as viewed from the output shaft end (see diagram below). Under normal running conditions, no maintenance will be required.

Operating temperature range: -40°F (-40°C) to 212°F (+100°C). Peaks up to 248°F (+120°C) are acceptable for short periods.

WARNING: **DO NOT** exceed backstop maximum holding torque of 25lb-ft (34 Nm) for 56C/140TC size backstop and 88lb-ft (119Nm) for 180TC size backstop.

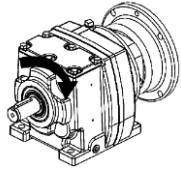
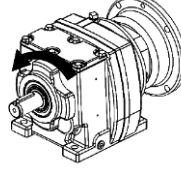
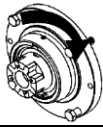
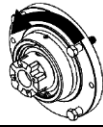
WARNING: **DO NOT** exceed backstop maximum rated over speed of 3000 RPM.

WARNING: **DO NOT** remove motor or backstop until all driven equipment is fully secured and made safe. Failure to do so may result in bodily injury and/or damage to equipment.

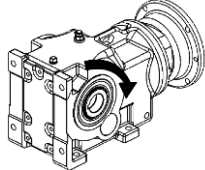
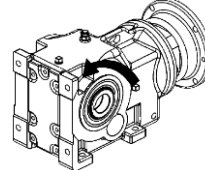
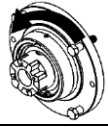
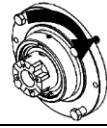
Written authorization from Sterling Electric is required to operate or use the backstop in man lift or people moving devices.

CW	Free rotation in Clockwise direction.	Locked rotation in Counterclockwise rotation.
CCW	Free rotation in Counterclockwise direction.	Locked rotation in Clockwise rotation

2000HG IN-LINE HELICAL BACKSTOP SELECTION

CW Output Shaft Rotation		CCW Output Shaft Rotation	
			
Backstop Rotation		Backstop Rotation	
			
NEMA Frame	Backstop Part Number	NEMA Frame	Backstop Part Number
56C	SSKR0456BSRH	56C	SSKR0456BSLH
140TC	SSKR04140BSRH	140TC	SSKR04140BSLH
180TC	SSKR06180BSRH	180TC	SSKR06180BSLH

C30	2000HB Bevel Reducer Selection	
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CW Output Shaft Rotation		CCW Output Shaft Rotation	
			
Backstop Rotation		Backstop Rotation	
			
NEMA Frame	Backstop Part Number	NEMA Frame	Backstop Part Number
56C	SSKR0456BSLH	56C	SSKR0456BSRH
140TC	SSKR04140BSLH	140TC	SSKR04140BSRH

BACKSTOP INSTALLATION

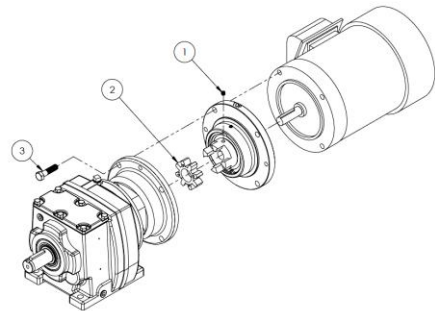
The backstop is assembled at the factory and labeled a with tamper detection mark. Disassembly of the backstop for any reason will void any and all warranties.

The backstop is supplied with the proper mounting hardware which includes the mounting bolts, coupling spider, and O-ring which is to be mounted between the motor C-face and the backstop.

Check to make sure the backstop rotates in the proper direction for the application referring to the previous section.

Refer to the diagram below for assembly.

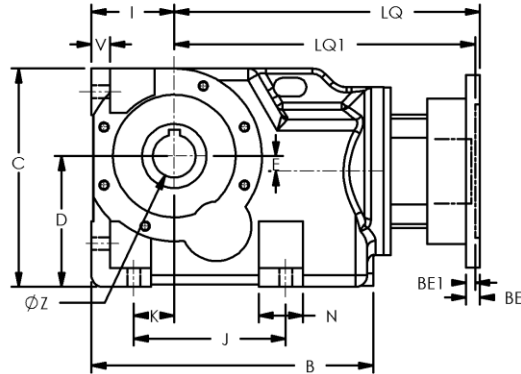
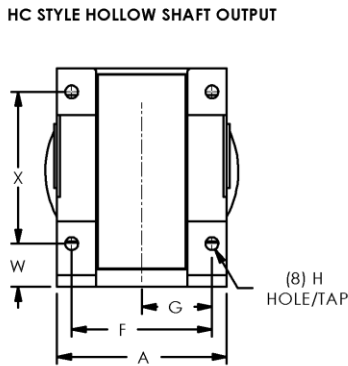
1. Install backstop on motor shaft orientating the backstop until the word "TOP" is aligned at the 12 o'clock position. Make sure the motor shaft key is positioned properly and the mating faces of the motor and backstop are flush. The use of an approved anti-seize compound is recommended to facilitate motor removal at a future date if required.
2. Tighten item (1) set screw to lock motor shaft key in place.
3. Install item (2) coupling spider and align with input coupling half of the reducer. Install motor/backstop combination making sure the mating surfaces of the reducer input flange and backstop are flush.
4. Install item (3) mounting bolts and tighten accordingly.
5. Removal of backstop is reverse of installation.



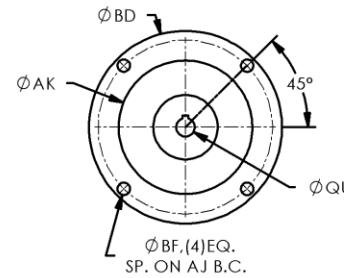
WARNING: **DO NOT** remove motor or backstop until all driven equipment is fully secured and made safe. Failure to do so may result in bodily injury and/or damage to equipment.

K-SERIES REDUCER

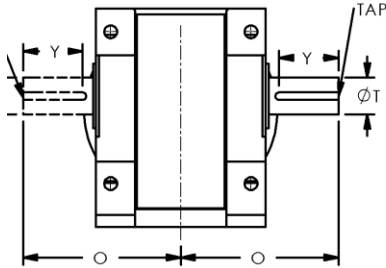
HC STYLE HOLLOW SHAFT OUTPUT



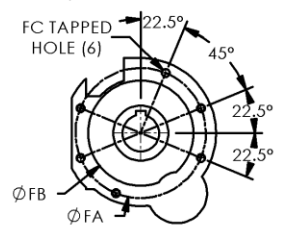
INPUT



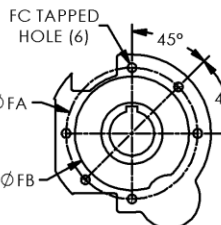
AC STYLE SOLID SHAFT OUTPUT



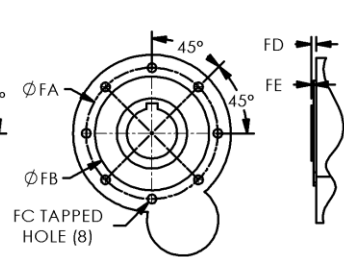
SSK333/K043 OUTPUT MOUNTING



K063 OUTPUT MOUNTING

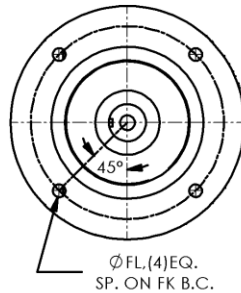
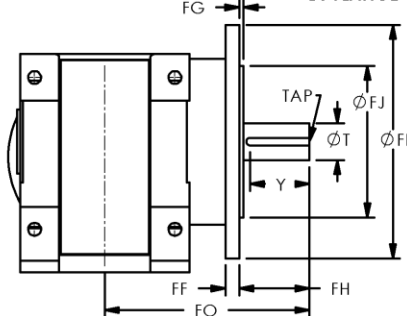


K073 OUTPUT MOUNTING

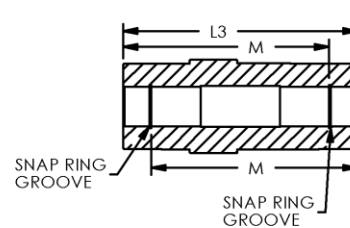


NOTE: SSK333 THRU SSK373 DO NOT HAVE TAPPED HOLES STANDARD. TAPPED HOLES CAN BE ADDED AS AN OPTION. CONSULT SALES REPRESENTATIVE OR FACTORY FOR DETAILS.

B5 FLANGE OUTPUT UNIT



HOLLOW SHAFT DETAILS



SIZE	A	B	C	D	E	F	G	H	I	J	K	L3	M	N	O	TAP x DP	T	V	W	X	Y**Useable	Z-max
SSK333	4.73	8.39	6.70	3.94	0.09	3.94	1.97	3/8-16 TAP	2.48	4.33	1.10	4.74	4.13	1.38	4.33	3/8 UNF x 0.8	1.000	N/A	1.26	4.53	1/4 x 1.60	1.250
K043	5.71	9.49	7.36	4.41	0.51	4.72	2.36	Ø0.43 HOLE	2.79	5.12	1.37	5.91	5.19	1.50	5.31	1/2 UNF x 1.1	1.250	0.63	1.46	5.12	1/4 x 2.00	1.500
SSK343	4.73	9.49	7.29	4.41	0.51	3.94	1.97	3/8-16 TAP	2.79	5.12	1.37	5.91	5.19	1.77	5.31	1/2 UNF x 1.1	1.250	N/A	1.46	5.12	1/4 x 2.00	1.500
K063	6.73	11.98	9.06	5.51	0.54	5.51	2.76	Ø0.53 HOLE	3.54	4.72	1.18	7.09	6.14	1.97	6.73	5/8 UNF x 1.5	1.625	0.82	1.77	6.30	3/8 x 2.38	2.000
SSK363	6.13	11.98	8.98	5.51	0.54	5.12	2.56	1/2-13 TAP	3.54	4.72	1.18	7.09	6.14	2.08	6.73	5/8 UNF x 1.5	1.625	N/A	1.77	6.30	3/8 x 2.38	2.000
K073	7.88	14.14	11.34	7.09	0.98	6.50	3.25	Ø0.69 HOLE	4.41	5.91	1.58	8.27	7.20	2.28	8.11	3/4 UNF x 1.6	2.000	1.10	2.17	7.87	1/2 x 3.27	2.250
SSK373	7.88	14.14	11.34	7.09	0.98	6.50	3.25	5/8-11 TAP	4.41	5.91	1.58	8.27	7.20	1.50	8.11	3/4 UNF x 1.6	2.000	N/A	2.17	7.87	1/2 x 3.27	2.250

** Keyway width by length

NEMA Motor C-Face Flange Locations

SIZE	56C/140TC	180TC	210TC	250TC
	LQ	LQ1	LQ1	LQ1
SSK333	9.69	9.93	N/A	N/A
K043	10.29	10.53	N/A	N/A
SSK343	10.29	10.53	N/A	N/A
K063	11.86	12.29	12.29	N/A
SSK363	11.86	12.23	12.23	N/A
K073	13.92	13.91	13.91	13.91
SSK373	13.75	13.91	13.91	13.91

Output Face & B5 Mounting

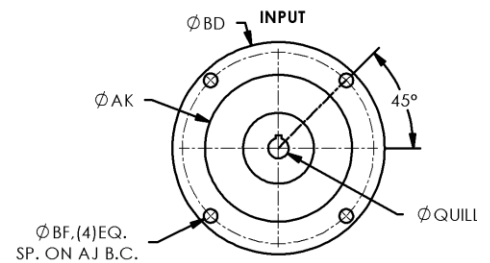
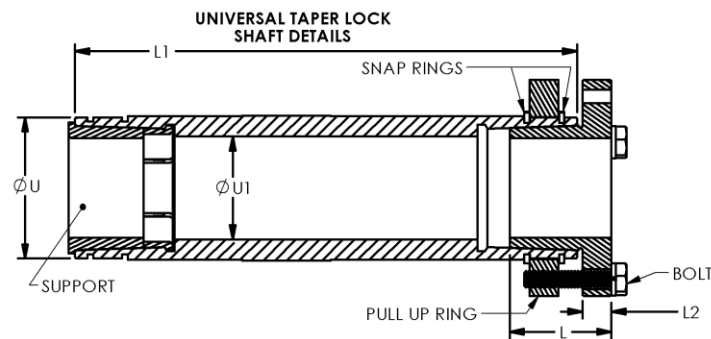
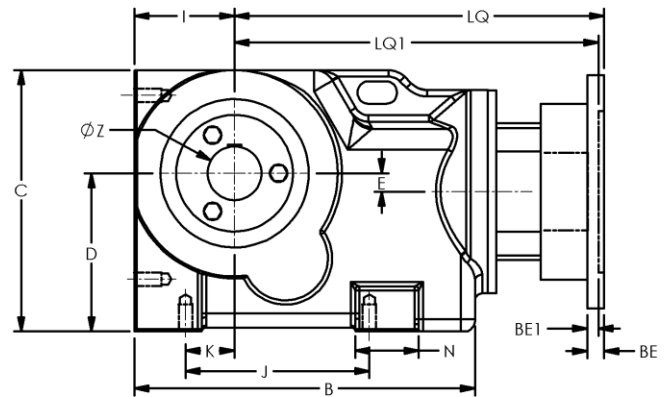
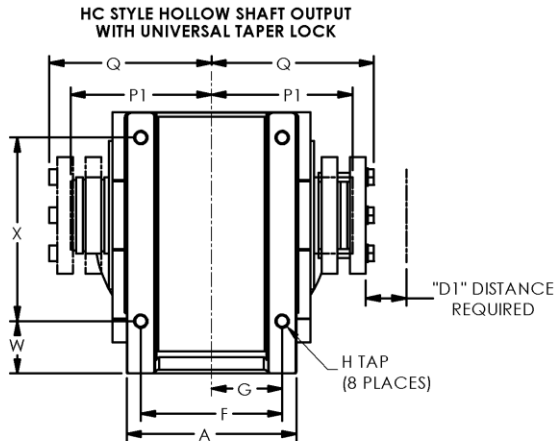
SIZE	FA	FB	FC TAP	FD	FE	FF	FG	FH	FI	FJ	FK	FL	FO
SSK333	4.21	3.35	SEE NOTE	0.21	0.10	0.39	0.14	1.97	6.30	4.33	5.12	0.35	5.83
K043	5.12	4.13	M8 x 0.46 DP	0.20	0.10	0.47	0.14	2.36	7.87	5.12	6.50	0.35	6.89
SSK343	5.12	4.13	SEE NOTE	0.20	0.10	0.47	0.14	2.36	7.87	5.12	6.50	0.35	6.89
K063	5.91	5.12	M10 x 0.58 DP	0.26	0.12	0.59	0.16	3.15	9.84	7.09	8.46	0.55	8.52
SSK363	5.91	5.12	SEE NOTE	0.26	0.12	0.59	0.16	3.15	9.84	7.09	8.46	0.55	8.52
K073	5.91	5.12	M10 x 0.75 DP	0.39	0.16	0.63	0.16	3.94	11.81	9.06	10.43	0.53	9.86
SSK373	5.91	5.12	SEE NOTE	0.39	0.16	0.63	0.16	3.94	11.81	9.06	10.43	0.53	9.86

NEMA Motor C-Face Mounting Dimensions

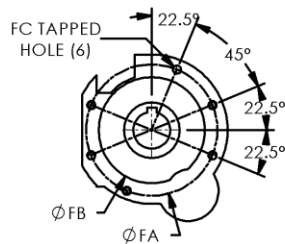
FRAME	AJ	AK	BD	BE	BE1	BF	QUILL	QUILL KEYWAY ¹
56C	5.88	4.50	6.50	0.38	N/A	0.41	0.625	3/16 x 3/32
140TC	5.88	4.50	6.50	0.38	N/A	0.41	0.875	3/16 x 3/32
180TC	7.25	8.50	9.00	N/A	.50	0.53	1.125	1/4 x 1/8
210TC	7.25	8.50	9.00	N/A	.50	0.53	1.375	5/16 x 5/32
250TC	7.25	8.50	9.00	N/A	.50	0.53	1.625	3/8 x 3/16

Notes: 1-Keyway width by depth
2-Dimensions in inches

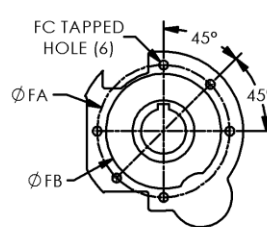
K-SERIES UNIVERSAL TAPER BUSH REDUCER



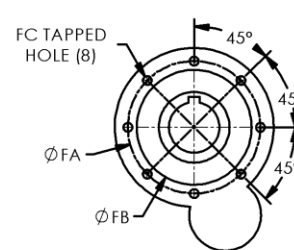
SSK333/SSK343 OUTPUT MOUNTING



SSK363 OUTPUT MOUNTING



SSK373 OUTPUT MOUNTING



NOTE: SSK333 THRU SSK373 DO NOT HAVE TAPPED HOLES
STANDARD. TAPPED HOLES CAN BE ADDED AS AN OPTION.
CONSULT SALES REPRESENTATIVE OR FACTORY FOR DETAILS.

SIZE	A	B	C	D	D1	E	F	G	H TAP	I	J	K	L	L1	L2	N	P1	Q	U	U1	W	X	Z-max	BOLT
SSK333	4.73	8.39	6.70	3.94	1.55	0.09	3.94	1.97	3/8-16	2.48	4.33	1.10	1.53	6.32	.44	1.38	3.25	3.91	1.93	1.46	1.26	4.53	1.250	1/4-20 x 1.25
SSK343	4.73	9.49	7.29	4.41	1.55	0.51	3.94	1.97	3/8-16	2.79	5.12	1.37	1.53	7.55	.44	1.77	3.88	4.52	2.13	1.55	1.46	5.12	1.500	1/4-20 x 1.25
SSK363	6.13	11.98	8.98	5.51	1.88	0.54	5.12	2.56	1/2-13	3.54	4.72	1.18	1.82	9.06	.50	2.08	4.65	5.39	2.74	2.06	1.77	6.30	2.000	5/16-18 x 1.50
SSK373	7.88	14.14	11.34	7.09	2.11	0.98	6.50	3.25	5/8-11	4.41	5.91	1.58	2.06	10.20	.56	1.50	5.22	6.08	3.13	2.31	2.17	7.87	2.250	3/8-16 x 1.63

NEMA Motor C-Face Flange Locations

SIZE	56C/140TC	180TC	210TC	250TC
	LQ	LQ1	LQ1	LQ1
SSK333	9.69	9.93	N/A	N/A
SSK343	10.29	10.53	N/A	N/A
SSK363	11.86	12.23	12.23	N/A
SSK373	13.75	13.91	13.91	13.91

Output Face Mounting

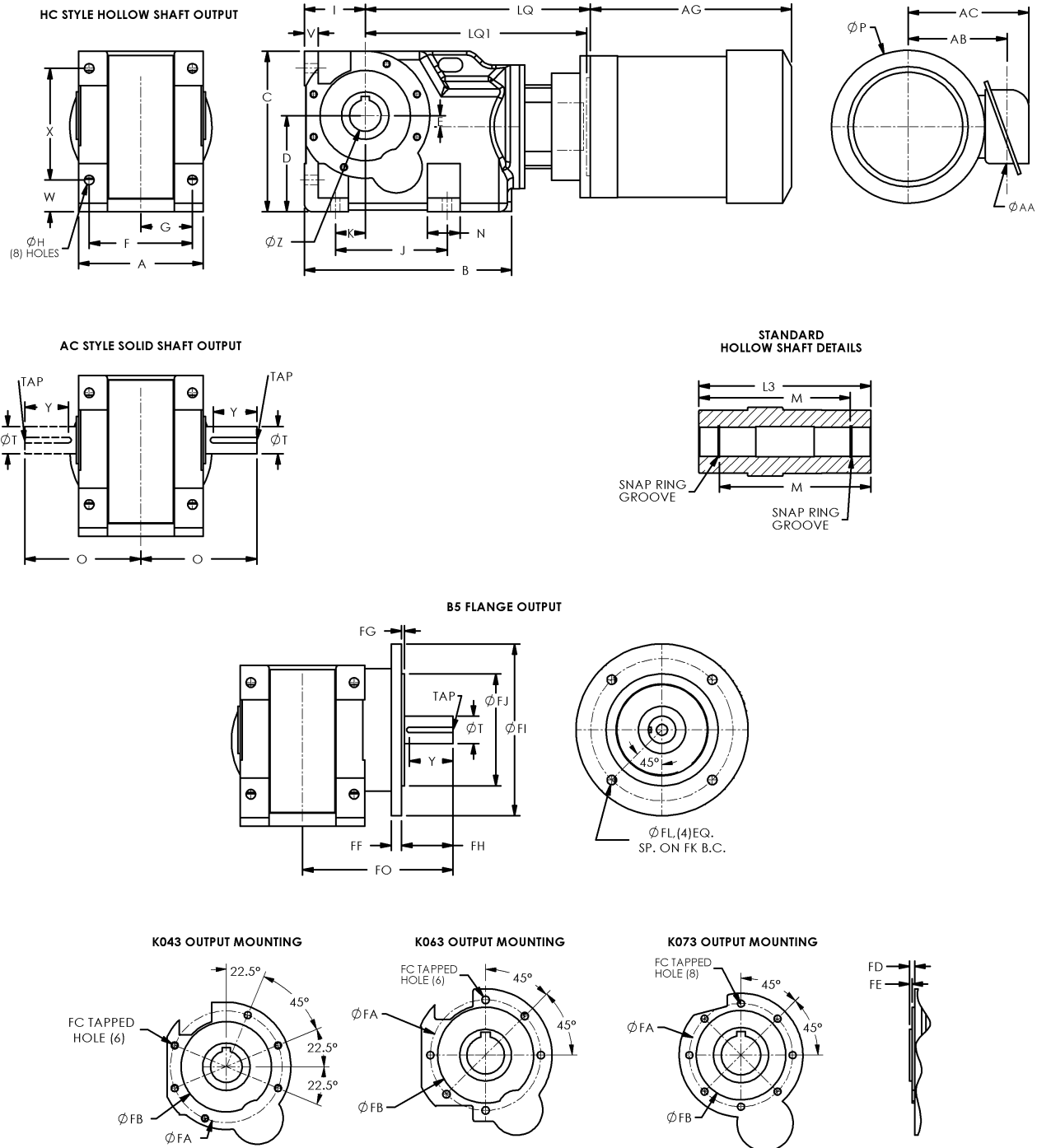
SIZE	FA	FB	FC TAP	FD	FE
SSK333	4.21	3.35	SEE NOTE	0.21	0.10
SSK343	5.12	4.13	SEE NOTE	0.20	0.10
SSK363	5.91	5.12	SEE NOTE	0.26	0.12
SSK373	5.91	5.12	SEE NOTE	0.39	0.16

NEMA Motor C-Face Mounting Dimensions

FRAME	AJ	AK	BD	BE	BE1	BF	QUILL	QUILL KEYWAY
56C	5.88	4.50	6.50	0.38	N/A	0.41	0.625	3/16 x 3/32
140TC	5.88	4.50	6.50	0.38	N/A	0.41	0.875	3/16 x 3/32
180TC	7.25	8.50	9.00	N/A	.50	0.53	1.125	1/4 x 1/8
210TC	7.25	8.50	9.00	N/A	.50	0.53	1.375	5/16 x 5/32
250TC	7.25	8.50	9.00	N/A	.50	0.53	1.625	3/8 x 3/16

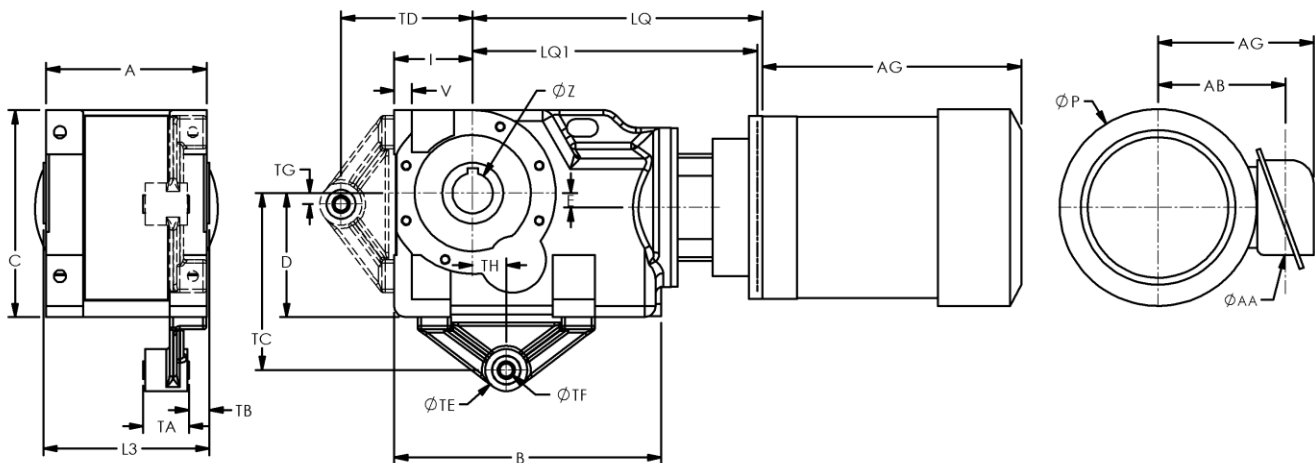
Notes: 1-Keyway width by depth
2-Dimensions in inches

K-SERIES GEARMOTOR



NOTE: SSK043 & SSK063 DO NOT HAVE TAPPED HOLES.
STANDARD TAPPED HOLES CAN BE ADDED AS AN OPTION.
CONSULT SALES REPRESENTATIVE OR FACTORY FOR DETAILS.

K-SERIES GEARMOTOR



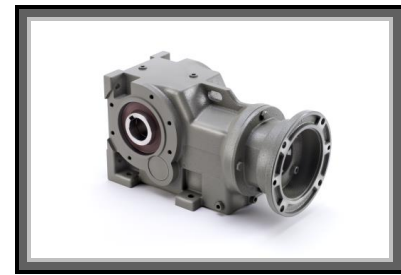
SIZE	A	B	C	D	E	I	L3	V	Z-max	TA	TB	TC	TD	TE	TF	TG	TH
SSK333	4.73	8.39	6.70	3.94	0.09	2.48	4.74	N/A	1.250	1.63	0.78	5.51	N/A	1.50	0.46	N/A	1.06
K043	5.71	9.49	7.36	4.41	0.51	2.79	5.91	0.63	1.500	1.63	0.73	6.30	4.68	1.50	0.46	0.39	1.19
SSK343	4.73	9.49	7.29	4.41	0.51	2.79	5.91	N/A	1.500	1.63	0.73	6.30	4.68	1.50	0.46	0.39	1.19
K063	6.73	11.98	9.06	5.51	0.54	3.54	7.09	0.82	2.000	2.36	0.98	7.87	5.91	2.75	0.64	0.39	1.77
SSK363	6.13	11.98	8.98	5.51	0.54	3.54	7.09	N/A	2.000	2.36	1.17	7.87	5.91	2.75	0.64	0.39	1.77
K073	7.88	14.14	11.34	7.09	0.98	4.41	8.27	1.10	2.250	2.36	0.98	9.84	7.17	2.75	0.64	0.69	2.07
SSK373	7.88	14.14	11.34	7.09	0.98	4.41	8.27	N/A	2.250	2.36	0.98	9.84	7.17	2.75	0.64	0.69	2.07

NEMA Motor Dimensions

HP	Material	Enclosure	P	AA	AB	AG
0.50	R.S.	TENV	6.50	0.87	5.53	7.54
0.75	R.S.	TENV	6.50	0.87	5.53	8.13
1.0	R.S.	TEFC	7.02	0.87	5.55	10.3
1.5	R.S.	TEFC	7.02	0.87	5.55	11.5
2.0	R.S.	TEFC	7.02	0.87	5.55	11.9
3.0	R.S.	TEFC	8.45	1.10	6.55	13.75
5.0	R.S.	TEFC	8.45	1.10	6.50	14.53
7.5	R.S.	TEFC	10.77	1.10	7.68	15.39
10.0	R.S.	TEFC	10.77	1.10	7.68	15.98
0.33	S.S.	TENV	6.50	0.87	5.53	7.03
0.50	S.S.	TENV	6.50	0.87	5.55	8.14
0.75	S.S.	TENV	6.50	0.87	5.55	9.02
1.0	S.S.	TENV	6.50	0.87	5.55	9.02
1.0	S.S.	TEFC	7.02	0.87	5.55	10.22
1.5	S.S.	TEFC	7.02	0.87	5.55	11.48
2.0	S.S.	TEFC	7.02	0.87	5.55	11.86
3.0	S.S.	TEFC	8.45	1.10	6.50	13.95
5.0	S.S.	TEFC	8.45	1.10	6.50	14.53
7.5	S.S.	TEFC	10.77	1.10	7.68	14.80
10.0	S.S.	TEFC	10.77	1.10	7.68	16.09

NEMA Motor C-Face Flange Locations

SIZE	56C/140TC	180TC	210TC	250TC
	LQ	LQ1	LQ1	LQ1
SSK333	9.69	9.93	N/A	N/A
K043	10.29	10.53	N/A	N/A
SSK343	10.29	10.53	N/A	N/A
K063	11.86	12.29	12.29	N/A
SSK363	11.86	12.23	12.23	N/A
K073	13.75	13.91	13.91	13.91
SSK373	13.75	13.91	13.91	13.91



Painted Helical Products



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Complete Range of Painted or Stainless Steel Gearmotors

D1	Engineering	
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APPLICATION FORMULAS

TO OBTAIN	HAVING	FORMULA
Velocity (V) Feet Per Minute	Pitch Diameter (D) of Gear or Sprocket – Inches and Revolutions Per Minute (RPM)	$V = .2618 \times D \times \text{RPM}$
Revolutions Per Minute (RPM)	Velocity (V) Feet Per Minute and Pitch Diameter (D) Of Gear or Sprocket – Inches	$\text{RPM} = \frac{V}{.2618 \times D}$
Pitch Diameter (D) of Gear or Sprocket	Velocity (V) Feet Per Minute and Revolutions Per Minute (RPM)	$D = \frac{V}{.2618 \times \text{RPM}}$
Torque (T) Inch Lbs.	Force (W) Lbs. and Radius (R) Inches	$T = W \times R$
Horsepower (HP)	Force (W) Lbs. and Velocity (V) Feet Per Minute	$\text{HP} = \frac{W \times V}{33,000}$
Horsepower (HP)	Torque (T) In. Lbs. and Revolutions per Minute (RPM)	$\text{HP} = \frac{T \times \text{RPM}}{63,025}$
Torque (T)	Horsepower (HP) and Revolutions per Minute (RPM)	$T = \frac{63,025 \times \text{HP}}{\text{RPM}}$
Force (W) Lbs.	Horsepower (HP) and Velocity (V) Feet Per Minute	$W = \frac{33,000 \times \text{HP}}{V}$
Revolutions per Minute (RPM)	Horsepower (HP) and Torque (T) In. Lbs.	$\text{RPM} = \frac{63,025 \times \text{HP}}{T}$

OVERHUNG LOADS AND AXIAL THRUSTS

MAXIMUM PERMISSIBLE OVERHUNG LOADS

When a sprocket, gear etc. is mounted on the shaft a calculation, as below, must be made to determine the overhung load on the shaft, and the results compared to the maximum permissible overhung loads tabulated. Overhung loads can be reduced by increasing the diameter of the sprocket, gear, etc. If the maximum permissible overhung load is exceeded, the sprocket, gear, etc. should be mounted on a separate shaft, flexible coupled, and supported in its own bearing, or the gear unit shaft should be extended to run on an outboard bearing. Alternatively, a large gear is often a less expensive solution.

Permissible overhung loads vary according to the direction of rotation. The values tabulated are for the most unfavorable direction with the unit transmitting full rated power and the load P applied at the center of the shaft keyway. Hence they can sometimes be increased for a more favorable direction of rotation, or if the power transmitted is less than the rated capacity of the gear unit, or if the load is applied nearer to the gear unit case. Refer to Sterling Electric for further details. In any event, the sprocket, gear etc. should be positioned as close as possible to the gear unit case in order to reduce bearing loads and shaft stresses, and to prolong life.

All units will accept 100% momentary overload on stated capacities.

OVERHUNG LOAD (lbs)

$$P = \frac{\text{HP} \times 126,000 \times K}{N \times D}$$

where:

P = equivalent overhung load (lb)
 HP = power transmitted by the shaft (HP)
 N = speed of shaft (rpm)
 D = pitch diameter of sprocket, etc. (in)
 K = factor

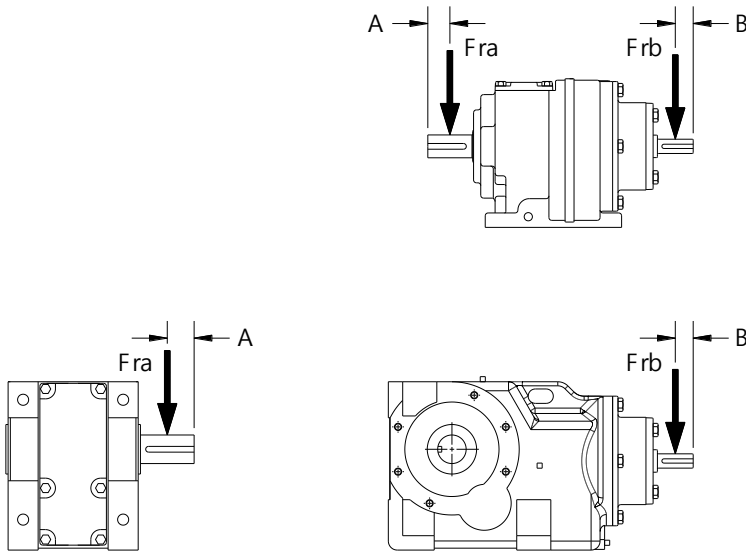
OVERHUNG MEMBER

Chain sprocket*	1.00
Spur or helical pinion	1.25
Vee belt sheave	1.50
Flat belt pulley	2.00

* If multi-strand chain drives are equally loaded and the outer strand is further than dimension Fra output or Frb input, refer to Sterling Electric.

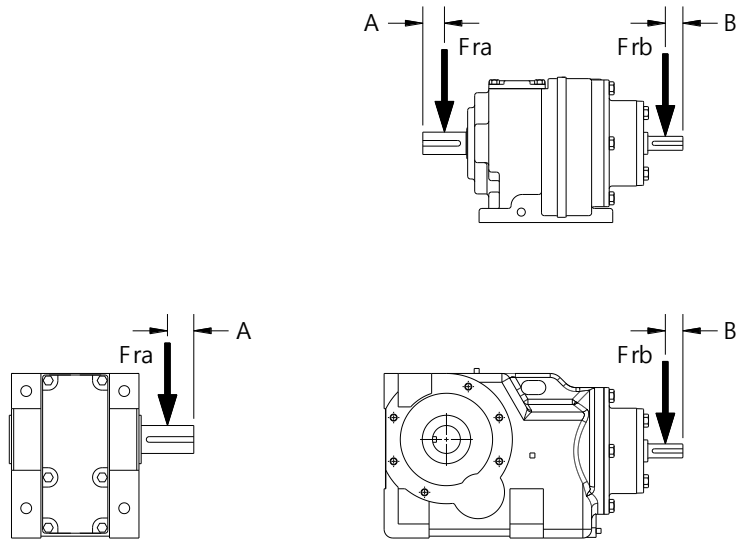
Note: 1 lb = 2.2047kg = 4.4484 Newtons

REDUCER OVERHUNG LOADS (F_{rb}) ON INPUT SHAFT



K-Series Helical Bevel			
Unit Size	No. of Reductions	Dim A (in)	Dim B (in)
K04/SSK33/SSK34	3	0.985	0.930
K06/SSK36	3	1.378	1.500
K07/SSK37	3	1.575	1.870
R, G, H-Series In-Line Helical			
Unit Size	No. of Reductions	Dim A (in)	Dim B (in)
R04	2	0.985	0.785
R06	2	1.378	0.785
R07	2	1.575	0.985
G07	3	1.575	0.985
G08	2	1.969	1.180
	3	1.969	0.985
G09	2	2.360	1.570
	3	2.360	1.180
G10	2-3	2.755	2.165
G13	2-3	3.345	2.165
G14	2-3	4.135	2.165

Double Reduction								
Output RPM	R, G, H-Series In-Line Helical Double Reduction							
	R0402	R0602	R0702	G0802	H0902	H1002	H1302	H1402
875-795	568	621	950		2840	3750		
795-701	569	601	1045		2940	3820		
700-626	570	585	1045		3050	3920		
625-584	576	559	1065		2770	4210	7810	10100
583-548	581	537	1085		2770	4210	7810	10100
547-487	562	561	1065		3300	3940	7990	10300
486-439	567	502	1390	2670	3430	4100	8250	10700
438-390	529	405	1065		2890	4140	8430	10900
389-351	535	396	1090		2850	3960	8540	11200
350-325	573	266	1065	2510	2550	3920	8660	11300
324-303	529	266	1065					
302-279	521	209	925	2330	2430	3530	8530	11000
278-244	505	187	797	2120	2550	2990	8260	11100
243-220	536	167	625		2540	2900	8040	10800
219-195	640	114	605	1560	2110	3060	7830	9620
194-176	647	167	556	1450	2100	2980	7530	9080
175-160	671	205	505		2500	2630	6930	9370
159-147	674	244	482	1390	2530	2550	7250	9230
146-126	690	390	456	1410	1990	2810	7330	8280
125-104	731	387	463	1360	1990	2740	7620	8590
103-98	756	472	456	1350				
97-89	799	522	539	1460	2820	3260	8250	9620
88-81	844	659	613	1440	2110	2580	8540	9780
90-68	892	714	712	1560	2290	2510	8880	9980
67-56	899	903	837	1830	3310	4290	9260	11200
55-50	899	1060	994	2040	2690	3820	10300	12200
49-43	899	1080	1080	2130	3210	4510	10900	12700
42-36	899	1230	1130	2470	4570	5630	10900	16000
35-33	899	1410	1670	2630	4200	6480	13200	17600
32-0	899	1620	2060	3730	6410	7810	13200	18200



Triple Reduction									
Output RPM	R, G, H-Series In-Line Helical						K-Series Helical Bevel		
	G0703	G0803	H0903	H1003	H1303	H1403	K043/SSK33/SSK43	K063/SSK36	K073/SSK37
159-147							773	856	1390
146-126							844	887	1220
125-110							870	918	1170
109-98							907	952	1120
97-89							982	1030	1230
88-81							1030	1090	1300
80-71							1100	1160	1410
70-64							1150	1230	1460
63-56							1200	1340	1560
55-45							1250	1440	1610
44-36							1310	1500	1710
35-30							1350	1660	1820
29-28	1260	3250	5690	8680	13700	17400	1350	1720	1970
27-26	1590	3540	5920	9190	14400	18000	1350	1800	2180
25-23	1430	3530	5930	8880	14500	18300	1350	1800	2440
22-19	1370	3330	5710	9230	14500	19200	1350	1800	2580
18-17	1150	3250	5780	9620	14600	20300	1350	1800	2880
16-15	1050	3250	5780	9620	14600	20300	1350	1800	3180
14-12	1050	3250	5610	9350	14500	20300	1350	1800	3370
11-10	1050	3250	6320	9520	14500	20400			
9	1050	3250	5610	9350	14500	20300			
8	1050	3250	5610	9350	14500	20300			
7			6320	9520	14500	20300			

REDUCER OVERHUNG LOADS (Frb) ON INPUT SHAFT

Double Reduction									
Ratio	R, G, H-Series In-Line Helical Double Reduction								
	R0402	R0602	R0702	G0802	G0902	H1002	H1302	H1402	
All	325	230	345	315	315	535	1365	1490	
Triple Reduction									
Ratio	G, H-Series In-Line Helical						K-Series Helical Bevel		
	G0703	G0803	G0903	H1003	H1303	H1403	K04/SSK33/SSK34	K06/SSK36	K07/SSK37
All	380	470	785	880	2500	2500	325	230	345

	Engineering	D4
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IMPORTANT INFORMATION

The manufacturer makes no warranty or representations, expressed or implied, by operation of law or otherwise, as to the merchantability or fitness for a particular purpose of the good sold hereunder. Buyer acknowledges that it alone has determined that the goods purchased hereunder will suitably meet the requirements of their intended use. In no event will the manufacturer be liable for consequential, incidental or other damages.

GENERAL OPERATION

1. Run the motor, which drives the unit, and check the direction of unit output rotation. Consult motor nameplates for instructions to reverse the direction of rotation.
2. Attaching the load: On direct-coupled installations, check shaft and coupling alignment between unit and loading mechanism. On chain/sprocket and belt/pulley installation, locate the sprocket or pulley as close to the oil seal as possible to minimize overhung load. Check to verify that the overhung load does not exceed specifications published in the catalog.
3. High momentum loads: If coasting to a stop is undesirable, a braking mechanism should be provided to the unit output or the driven mechanism.

CAUTION: The system of connected rotating parts must be free from critical speed, torsional or other type vibration, no matter how induced. The responsibility for this system analysis lies with the purchaser of the speed reducer.

INSTALLATION – FOOT MOUNTED

The following procedure is recommended for all foot mounted units with solid output shafts.

1. Clean shaft extensions.
2. Mount the unit using grade 5 or higher fasteners.
3. The ground footing, foundation, or base plate on which unit is installed must be rigid and stable and not susceptible to vibration from surrounding equipment or distortion which may cause premature failure of the unit.
4. Align unit with driven shaft and install flexible coupling – **DO NOT USE** rigid couplings.
5. Check angular alignment by using a feeler gauge between coupling hubs at four points, 90 degrees apart. Position the unit to obtain best possible alignment and correct coupling hub separation. Consult factory, equipment supplier, or coupling manufacturer for proper values.
6. Check the offset alignment between the two shafts. Use a dial indicator mounting on one hub (unit side, for example), with the dial indicator button contacting the alignment surface of the opposite hub. Rotate the opposite shaft slowly by hand and take a reading on at least four equally spaced points. Move unit until the indicator movement does not exceed 0.002 in. Transfer indicator to opposite hub and recheck. Recheck angular alignment as described above.
7. Fit guards in accordance with the relevant state and local safety regulations.
8. Check the oil level and install the breather vent (if required) as described in **LUBRICATION**.
9. Install the motor as described in **MOTOR INSTALLATION**.

INSTALLATION – K-SERIES SHAFT MOUNT

The following procedure is recommended for all straight bore shaft mounted units with standard torque arm. Refer to the Helical Bevel catalog for torque arm mounting and customer shaft dimensions when using the straight bore shaft mounting option.

1. Clean driven shaft extension and output bore of the unit.
2. Apply anti-seize or anti-fretting compound (not supplied) to the hollow bore of the unit to aid removal at a later date.
3. Locate the unit in position onto the driven shaft by the most convenient method using good engineering practices; ensuring it is as close as possible to the bearing on the driven equipment.
4. Anchor the unit to a secure point on the structure by means of the torque arm or other flexible device.

WARNING: DO NOT RIGID MOUNT UNIT. Mounting should be such to allow freedom of movement of the reducer to pivot around the driven shaft centerline without imposing excessive loads that can lead to driven shaft breakage, premature reducer bearing failure, cracking of the conveyor structure, and leaks. Consult factory if needed.

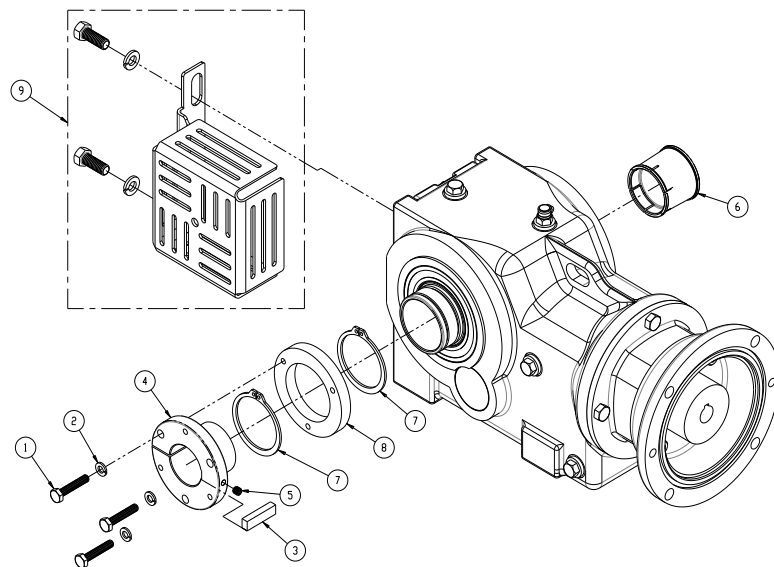
5. Fit guards in accordance with the relevant state and local safety regulations.
6. Check the oil level and install the breather vent (if required) as described in **LUBRICATION**.
7. Install supplied shaft cover.
8. Install the motor as described in

MOTOR INSTALLATION

1. Loosen and remove hex head screws. These will be used as jack screws in the tapped holes in the taper lock bushing.
2. Insert hex head screws in the tapped holes in the taper lock bushing and progressively tighten each one until hollow shaft hub is loose on bushing.
3. Remove unit using caution.

INSTALLATION – K-SERIES UNIVERSAL TAPER LOCK BUSHING

The following procedure is recommended for all shaft mounted units using the universal taper lock bushing and standard torque arm. All taper lock bushing kits are supplied with bushing, pull-up ring, mounting hardware, snap-in centering ring, retaining rings, and shaft key. Refer to the Helical Bevel catalog for torque arm mounting and customer shaft dimensions when using the universal taper lock bushing mounting option. Refer to illustration below when installing units with universal taper lock bushings. Note that the shaft cover kit is sold separately.



Item No.	Description	Qty	Item No.	Description	Qty
1	Hex Head Screw	3	6	Snap-In Centering Ring	1
2	Lock Washer	3	7	External Retaining Ring	2
3	Shaft Key	1	8	Pull-up Ring	1
4	Taper Lock Bushing	1	9	Shaft Cover Kit (sold separately)	1
5	Set Screw	1			

1. Clean driven shaft extension and output bore of the unit.
2. Determine which side of the unit is to be the location of the taper lock bushing and which side is going to be the location of the snap-in centering ring.
3. Install the snap-in centering ring.

WARNING: Once the snap-in centering ring is installed, it cannot be removed without destroying it and a new one must be obtained from the factory.

4. Install the external retaining ring in the groove closest to the housing on the side that is to be the location of the taper lock bushing. Install the pull-up ring. Install the second external retaining ring so that the pull-up ring is located between the two retaining rings.
5. Install the supplied shaft key.

CAUTION: Taper lock bushings are meant to be dry mounted. **DO NOT USE** lubricants, anti-seize, or anti-fretting compounds on the bushing and shaft mounting area.

6. Align tapped holes in pull-up ring with the through holes in tapered bushing.
7. Insert hex head screws (supplied) through the holes in the tapered bushing and thread loosely into tapped holes in pull-ring.
8. Position assembly on driven shaft. Make sure the key is in contact with the full length of the tapered bushing. Tighten hex head screws in a progressive and uniform manner to the torque value listed below.

Unit size	Screw Size	Tightening Torque
SSK33	1/4-20	9 ft-lbs
K04/SSK34	1/4-20	9 ft-lbs
K06/SSK36	5/16-18	15 ft-lbs
K07/SSK37	3/8-16	30 ft-lbs

WARNING: The tightening force on the hex head screws is multiplied many times by the wedging action of the tapered surface. If extreme tightening force is applied, or if a lubricant is used, bursting pressures will be created in the hollow shaft hub of the mating part.

9. Install set screw over shaft key and tighten.
10. Anchor the unit to a secure point on the structure by means of the torque arm.
11. Fit guards in accordance with the relevant state and local safety regulations.
12. Check the oil level and install the breather vent (if required) as described in **LUBRICATION**.
13. Install the shaft cover (sold separately).
14. Install the motor as described in **MOTOR INSTALLATION**.

REMOVAL – UNIVERSAL TAPER LOCK BUSHING

WARNING: Hot oil or gear units can cause severe burns. Use extreme care when removing lubrication plugs and vents.

WARNING: Make certain that the power supply is disconnected before attempting to service or remove any components. Lock out the power supply and tag it to prevent unexpected application of power.

1. Remove shaft cover (if installed).
2. To remove the unit, loosen set screw over the shaft key.
3. Loosen and remove hex head screws. These will be used as jack screws in the tapped holes in the taper lock bushing.
4. Insert hex head screws in the tapped holes in the taper lock bushing making sure the pull-up ring is oriented such that the hex head screws push against it. Progressively tighten each one until the taper bushing comes loose from the reducer output shaft.
5. Remove the taper lock bushing.
6. Remove unit using caution and proper lifting techniques.

NOTE: Shaft Covers and Bushings are sold separately. Reference Page C5 for Selections

MOTOR INSTALLATION

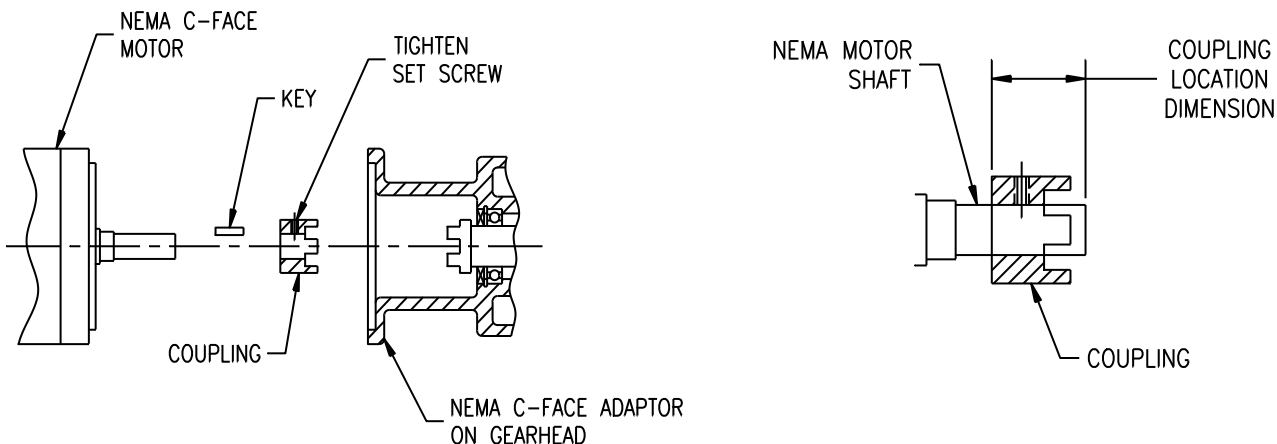
1. Mount the motor using the hardware supplied.

NOTE: With C-face Input Helical In-line Reducer (Models R04-R07) or Helical Bevel Reducer, Sterling Electric supplies the motor coupling half, a key, and a flexible coupling spider. In order to aid removal at a later date, anti-seize compound (not supplied) can be applied to the motor shaft and C-face pilot diameter.

NOTE: The motor coupling must be mounted with the supplied parts. Failure to use the supplied parts could void the Sterling Electric Warranty.

2. Remove any dirt or adhesive residue from the motor shaft.
3. The supplied key is to be placed in the motor keyway and should be located under the motor coupling.
NOTE: the key is not to extend beyond the coupling bore on EITHER side.
4. The motor coupling is to be mounted on the motor shaft and is to be located according to the dimension specified in **NEMA Adapter Coupling Location (shown below)**.
5. Tighten the setscrew located on the motor coupling.
6. Place the flexible motor spider between the jaws of the motor coupling. Align the motor coupling so that the jaws on the reducer coupling mesh with the motor coupling. The motor shaft will extend into the bore of the reducer coupling. Secure the flanged motor to the C-face adapter with the supplied hardware unless otherwise specified by the motor manufacturer.

NEMA Adapter Coupling Location



NEMA Frame Size	*Coupling location Dimension (in)			
	SSK33	K04/SSK34/ R04	K06/SSK36/ R06	K07SSK37/ R07†
56C	1.79	1.79	1.90	
143TC / 145TC	1.85	1.85	1.97	1.79
182TC / 184TC		2.31	2.03	2.29
213TC / 215TC			N/A**	N/A**
254TC / 256TC				N/A**

*Coupling Location Dimension Tolerance is $-0.0/+0.031$.

** Quill style input, only special key required.

† No special key required on R0702.

7. For shipment, pipe plugs are installed in the unit and a vent plug is packed separately. After mounting the unit in position, remove the appropriate pipe plug and install the vent plug in the location shown in the chart on Page D9, based on mounting position. Failure to vent the unit can cause premature seal wear or loss of seal and oil. These conditions are not covered under warranty. Check for correct oil level. Contact the factory for level and vent recommendations on non-standard mounting positions.

- WARNING:** Prior to startup, verify that the unit is filled with the proper amount of oil based on the mounting position shown in the LUBRICATION section. Failure to do so will void the warranty.
- CAUTION:** Do not operate the unit without making sure it contains the correct amount of oil. Do not overfill or underfill with oil, or injury to personnel, reducer or other equipment may result.
- CAUTION:** A unit cannot be used as an integral part of a machine superstructure which would impose additional loads on the unit other than those imposed by the torque being transmitted either through a shaft-mounted arrangement, and any shaft mounted power transmitting device. (e.g. sprockets, pulleys, couplings)
- CAUTION:** For safe operation and to maintain the unit warranty, when changing a factory installed fastener for any reason, it becomes the responsibility of the person making the change to properly account for fastener grade, thread engagement, load, tightening torque and the means of torque retention.

LUBRICATION

All standard Helical In-line reducers or Helical Bevel reducers ordered from the factory are shipped with standard compounded lubricant and are good for an ambient temperature ranges of 30° F to 104° F. All washdown and stainless steel Helical In-line reducers or Helical Bevel reducers ordered from the factory are shipped with synthetic NSF H1 Food Grade lubricant and are good for an ambient temperature ranges of -10° F to 105° F.

For Helical Bevel washdown and stainless-steel units with PAO synthetic oil, a vent is not required for normal operating conditions and is not supplied with the unit.

Factory Lubrication levels are filled where position M1 is considered standard (shown on Page D9)

- CAUTION:** Use of synthetics can cause problems if they are not compatible with the seals or the conventional lubes they replace.
- CAUTION:** If the ambient temperature will be outside the range for the lubricant installed at the factory, drain and refill the reducer with the proper viscosity lubricant prior to use.

RECOMMENDED LUBRICATION OILS

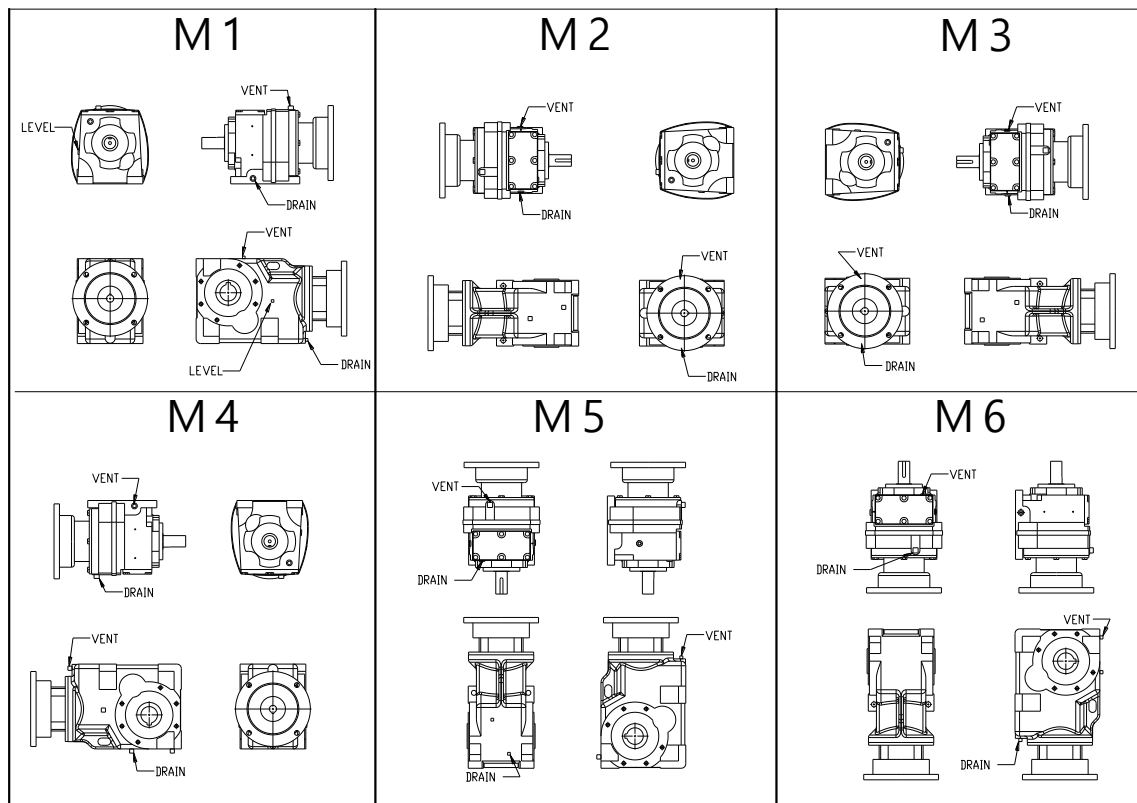
<u>Mineral Oils</u>			
Manufacturer	ISO Viscosity / AGMA No.		
	220 / 5EP	320 / 6EP	460 / 7EP
	Ambient Temperature Range		
	-5 to 25 °C (23 to 77 °F)	0 to 40 °C (32 to 104 °F)	10 to 50 °C (50 to 122 °F)
Chevron USA, Inc.	Gear Compound EP220	Gear Compound EP320	Gear Compound EP460
Exxon CO. USA	Spartan EP220	Spartan EP320	Spartan EP460
Mobil Oil Co.	Mobilgear 630X	Mobilgear 632X	Mobilgear 634X
Shell Oil Co.	Omala 220	Omala 320	Omala 460
<u>Synthetic Oils</u>			
Manufacturer	ISO Viscosity / AGMA No.		
	220 / 5EP	320 / 6EP	460 / 7EP
	Ambient Temperature Range		
	-5 to 25 °C (23 to 77 °F)	0 to 40 °C (32 to 104 °F)	10 to 50 °C (50 to 122 °F)
Chevron USA, Inc.	Tegra Synthetic EP220	Tegra Synthetic EP320	Tegra Synthetic EP460
Exxon CO. USA	Spartan SEP220	Spartan SEP320	Spartan SEP460
Mobil Oil Co.	Mobil Cibus SHC630	Mobil Cibus SHC632	Mobil Cibus SHC 634
Shell Oil Co.	Omala HD220	Omala HD320	Omala HD460
Summit Industrial	Syngear SH-7220	Syngear SH-7320	Syngear SH-7460

OIL CAPACITIES (FLUID OUNCE)

Mounting Position	Double Reduction							
	R-Series In-Line Helical							
	R0402	R0602	R0702	G0802	G0902	H1002	H1302	H1402
M1	25	51	87	125	355	372	575	812
M2	25	61	103	210	406	744	1048	1657
M3	25	54	93	183	406	744	1048	1657
M4	25	64	110	247	406	642	947	1386
M5	48	64	106	216	568	1082	1589	2435
M6	48	91	163	308	555	879	1285	2198

Mounting Position	Triple Reduction						Triple Reduction			
	R-Series In-Line Helical						K-Series Helical Bevel			
	G0703	G0803	G0903	H1003	H1303	H1403	SSK33	K04/SSK34	K06/SSK36	K07/SSK37
M1	78	115	389	372	575	812	31	34	58	118
M2	98	203	389	778	1116	1691	34	44	95	196
M3	88	196	51	778	1116	1691	34	44	95	196
M4	112	267	389	676	1014	1454	44	58	112	230
M5	98	216	568	1082	1589	2435	58	75	142	294
M6	159	314	558	913	1353	2266	41	44	98	196

16 fl-oz = 1 pint
 2 pints = 1 quart
 4 quarts = 1 US gallon

ASSEMBLY POSITIONS WITH VENT / LEVEL / DRAIN LOCATIONS

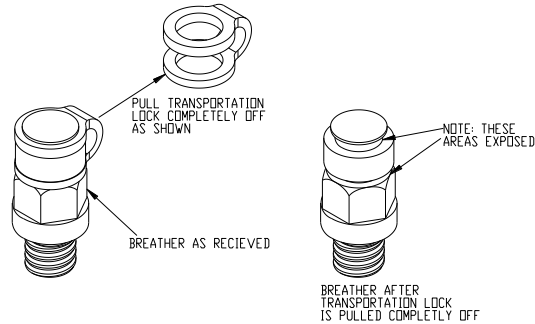
* NOTE: The unit is filled at the factory with the proper amount of oil for the standard mounting position M1. A level plug is provided for this position only so the unit can be checked for proper oil level prior to installation and start-up. All other mounting positions will require the oil level to be measured out prior to filling the unit based on the values in the table labeled **OIL CAPACITIES** above.

VENT PLUG LOCATION

Before putting the unit into operation, substitute the vent plug for the solid plug at the position desired. Arrows indicate the recommended vent plug locations as shown on Page D9.

Washdown and stainless steel Inline Helical units are supplied with a Heinrichs Breather with a rubber transportation lock. The transportation lock must be completely removed before operation. Failure to do so may cause the unit to leak. See Below:

For Helical Bevel washdown and stainless-steel units with PAO synthetic oil, a vent is not required for normal operating conditions and is not supplied with the unit.



Change Intervals: Standard compounded lubricants should be changed every 10,000 operating hours. Synthetic lubricants should be changed every 20,000 operating hours.

CAUTION: Oil should be changed more often if the unit is used in a severe environment. (*i.e. dusty, humid*)

CAUTION: In the Food and Drug Industry (including animal food), consult the lubrication supplier for recommendation of lubricants which are acceptable to the Food and Drug Administration and/or other authoritative bodies having jurisdiction.

MAINTENANCE

Your Sterling Electric unit has been tested and adjusted at the factory. Dismantling or replacement of components must be done by Sterling Electric to maintain the warranty.

Frequently check the oil level of the unit. If oil level is low, (refer to the vent and level position chart) add proper lubrication through the filler plug until it comes out the oil level plug.

Inspect vent plug often to insure it is clean and operating.

CAUTION: Mounting bolts should be routinely checked to ensure that the unit is firmly anchored for proper operation.

Seals: The Sterling Electric line of speed reducers utilizes premium quality Viton® seals which are the state-of-the-art in sealing technology. Seals are, however, a wear item and eventually need to be replaced. Replacement of the seals can be easily accomplished by following the steps below:

1. Remove the worn seal without damaging the shaft surface or the seal bore. This can be done by drilling a .062 diameter hole in the seal casing (being careful not to drill into the bearing behind the seal). Screw a #10 sheet metal screw into the hole and pry out the seal.
2. Clean the seal bore of sealant.
3. Before installing the new seal, use electrical tape to cover any keyways or sharp edges on the shaft to prevent seal lip damage.
4. Grease the seal lips with bearing grease and apply a sealant to the seal bore.
5. Slide the seal into the shaft being careful not to fold the inner lip over on any shaft steps.
6. Press the seal into its bore with a sleeve that presses on the seal casing, being careful to keep the seal square in its bore.

D11	Engineering	
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CLASS OF SERVICE

All capacity ratings are based on American Gear Manufacturers Association (AGMA) Standards. Load conditions must be within cataloged ratings published in the current Sterling Electric Catalog (available upon request).

LONG-TERM STORAGE (6 MONTHS UP)

Units must be stored indoors, in a dry, warm temperature.

Completely fill the unit with oil.

Rotate the input shaft so that the output shaft rotates at least one revolution per month.

Completely cover the input and output shaft with grease.

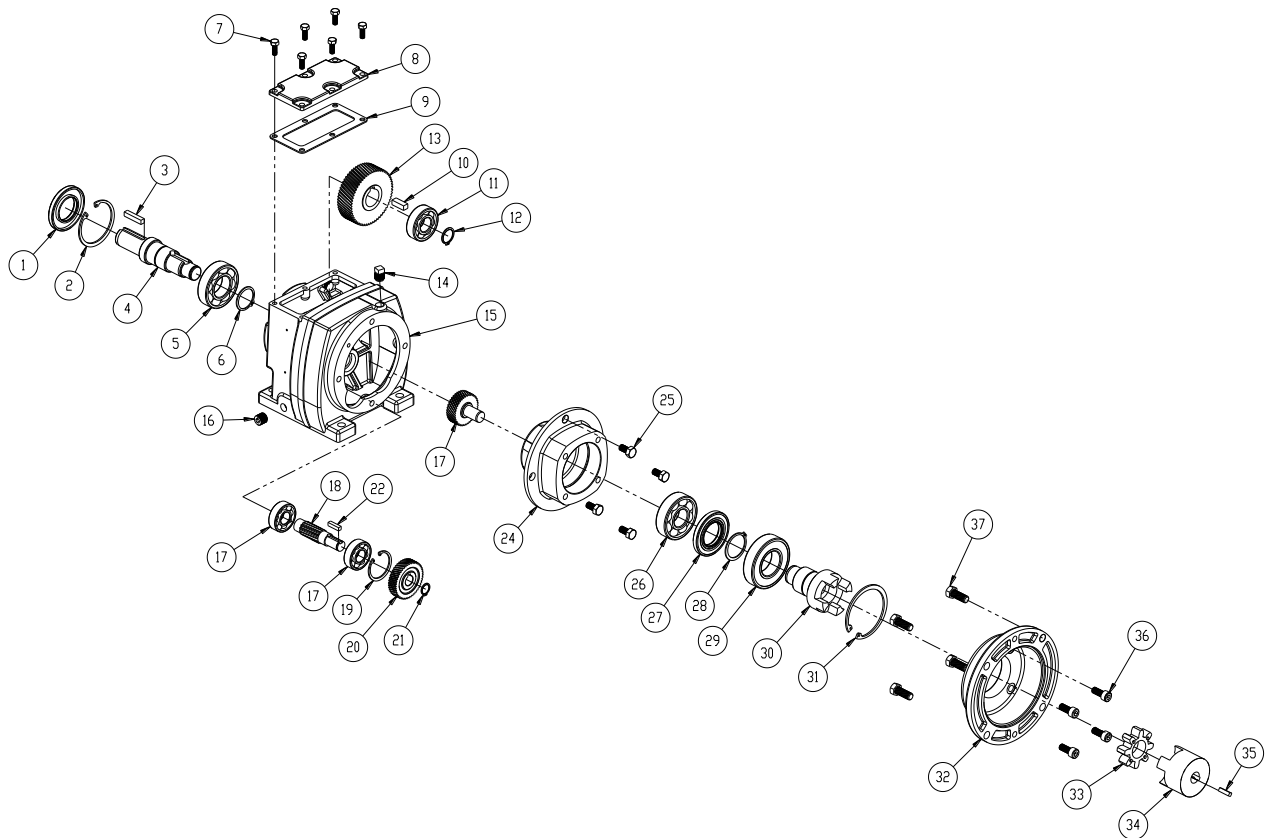
At the time of start up, drain the storage oil, install the breather, and fill to the proper oil level with correct lubricant for the operating condition.

WARRANTY (LIMITED)

The warranty will cover all of the parts in the gearmotor or reducer unit for 12 months from the date of service not to exceed 18 months from date of shipment on R2000HG Helical units. The warranty will cover all of the parts in the gearmotor or reducer unit for 36 months from the date of shipment on R2000HB Helical Bevel units.

The warranty is only for parts and labor. In no event shall our liability exceed the original price of the unit, nor does it cover cost of on-site repair, installation, or freight.

Contact the service department for a complete explanation as to the full warranty policies and conditions of sale. All dimensions designs and specifications are subject to change without notice.

R-SERIES HELICAL INLINE REDUCERS**DOUBLE REDUCTION UNIT****Parts List**

Item No.	Description	Qty	Item No.	Description	Qty	Item No.	Description	Qty
1	Output Seal	1	14	Breather / Vent	1	27	Input Seal	1
2	Internal Snap Ring	1	15	Gear Case Housing	1	28	External Snap Ring	1
3	Output Key	1	16	NPT Plug	3	29	Double Sealed Ball Bearing	1
4	Output Shaft	1	17	Cylindrical Roller Bearing	2	30	Input Shaft	1
5	Ball Bearing	1	18	Final Pinion Shaft	1	31	Internal Snap Ring	1
6	External Snap Ring	1	19	Internal Snap Ring	1	32	Input Motor Flange	1
7	Hex Head Screw	6	20	Primary Gear	1	33	Coupling Spider	1
8	Cover Plate	1	21	External Snap Ring	1	34	Motor Coupling Half	1
9	Cover Plate Gasket	1	22	Key	1	35	Motor Coupling Key	1
10	Key	1	23	Primary Pinion	1	36	Socket Head Screw	4
11	Ball Bearing	1	24	Input Adapter	1	37	Hex Head Bolt	4
12	External Snap Ring	1	25	Hex Head Screw	4			
13	Final Gear	1	26	Ball Bearing	1			

NOTES: REPLACEMENT GEARS ARE AVAILABLE IN SETS ONLY. FOR EXAMPLE, A FINAL GEAR KIT WILL CONTAIN THE FINAL GEAR AND FINAL PINION SHAFT. A PRIMARY GEAR KIT WILL CONTAIN A PRIMARY GEAR AND A PRIMARY PINION. CONSULT FACTORY FOR PART NUMBERS.

SEAL AND BEARING SIZES

Input Bearings
(Item #29)

Unit Size	Bearing Part Number and Size				
	Series	OD (mm)	ID (mm)	Width (mm)	Sterling P/N
R0402	6207LLC3	72	35	17	400-0118-2
R0602	6208LLC3	80	40	18	400-0171-9
R0702**	6211LLC3	100	55	21	400-0124-7

(Item #26)

Unit Size	Bearing Part Number and Size				
	Series	OD (mm)	ID (mm)	Width (mm)	Sterling P/N
R0402	6305	62	25	17	400-0008-9
R0602	6306	72	30	19	400-0022-4
R0702**	6307LLC3	80	35	21	400-0133-4

Intermediate Bearings
(Item #17)

Unit Size	Bearing Part Number and Size				
	Series	OD (mm)	ID (mm)	Width (mm)	Sterling P/N
R0402	NJ203	40	17	12	400-0536-4
R0602	NJ204	47	20	14	400-0540-0
R0702	NJ305	62	25	17	400-0549-1

Output Bearings
(Item #5)

Unit Size	Bearing Part Number and Size				
	Series	OD (mm)	ID (mm)	Width (mm)	Sterling P/N
R0402	6206	62	30	16	400-0008-9
R0602	6207	72	35	17	400-0009-7
R0702	6308	90	40	23	400-0025-9

(Item #11)

Unit Size	Bearing Part Number and Size				
	Series	OD (mm)	ID (mm)	Width (mm)	Sterling P/N
R0402	6204	20	47	14	400-0005-4
R0602	6206	62	30	16	400-0008-9
R0702	6207	72	35	17	400-0009-7

Input Seal

Unit Size	Bearing Part Number and Size			
	Shaft (mm)	Bore (mm)	Width (mm)	Sterling P/N
R0402*	35	62	7	404-0350-0
R0602	40	72	7	404-0362-8
R0702**	35	55	8	404-0294-6

Output Seal

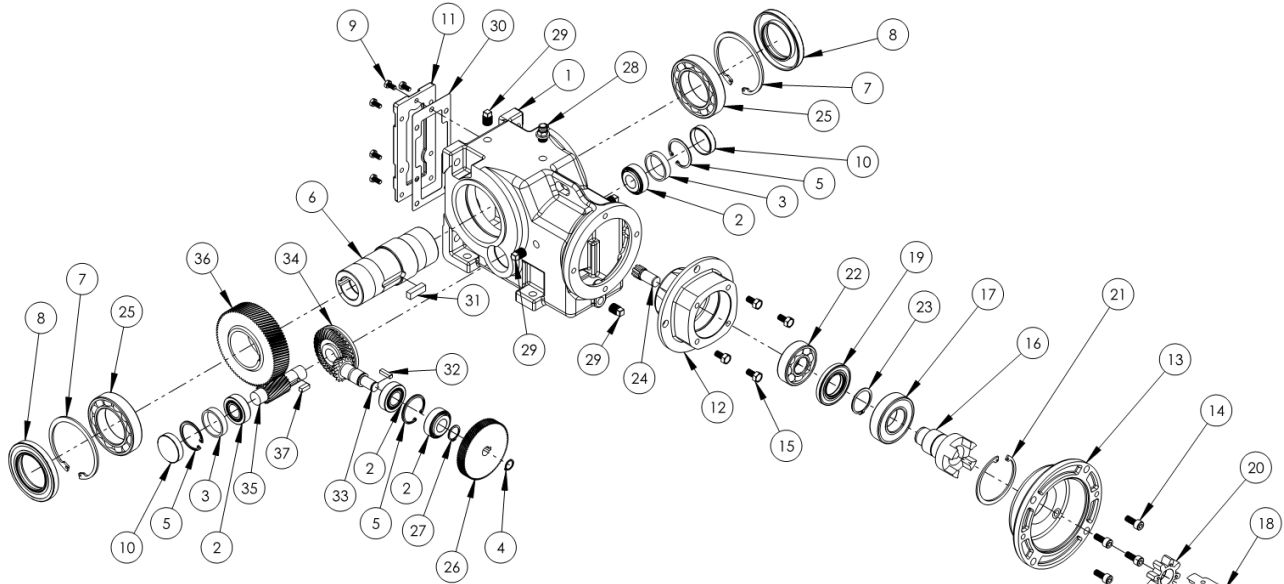
Unit Size	Bearing Part Number and Size			
	Shaft (mm)	Bore (mm)	Width (mm)	Sterling P/N
R0402	35	62	7	404-0350-0
R0602	40	72	7	404-0362-8
R0702	50	90	8	404-0280-0

* EARLY STYLE UNITS HAVE 55X72X10 SIZE INPUT SEALS (P/N 404-0351-9). CONTACT FACTORY WITH UNIT SERIAL NUMBER BEFORE ORDERING SEALS TO CONFIRM SIZE. EARLY UNITS CAN BE RETROFITTED WITH THE CURRENT SEAL AS LONG AS A DOUBLE SEALED BEARING IS USED LOC#27 AND THE SEAL IS PROPERLY LOCATED IN THE HOUSING. CONSULT FACTORY FOR DETAILS.

** EARLY R0702 210TC QUILL STYLE UNITS HAVE 40X55X8 SIZE INPUT SEALS (P/N 404-0391-9) AND INPUT BEARING SIZE 6013LLC3 FOR ITEM#29 AND BEARING SIZE 6308LLC3 FOR ITEM#26 (P/N 400-0550-0 AND 400-0120-4 RESPECTIVELY). BEFORE ORDERING SEALS AND BEARINGS CONFIRM SIZE. EARLY UNITS CANNOT BE RETROFITTED WITH THE CURRENT SEALS AND BEARINGS. CONSULT FACTORY FOR DETAILS.

TRIPLE REDUCTION UNIT

Parts List



Item No.	Description	Qty	Item No.	Description	Qty	Item No.	Description	Qty
1	Gear Case Housing	1	14	Socket Head Screw	4	27	External Snap Ring	1
2	Tapered Roller Baring	4	15	Hex Head Screw	4	28	Breather / Vent	1
3	Spacer Ring	2	16	Input Shaft	1	29	NPT Plug	4
4	External Snap Ring	1	17	Double Sealed Ball Bearing	1	30	Cover Plate Gasket	1
5	Internal Bevel Ring	3	18	Motor Coupling Half	1	31	Key	1
6	Hollow Output	1	19	Input Seal	1	32	Key	1
7	Internal Snap Ring	2	20	Coupling Spider	1	33	Bevel Pinion	1
8	Output Seal	2	21	Internal Snap Ring	1	34	Bevel Gear	1
9	Hex Head Screw	7	22	Ball Bearing	1	35	Final Pinion Shaft	1
10	End Cap Seal	2	23	External Snap Ring	1	36	Final Gear	1
11	Cover Plate	1	24	Primary Pinion	1	37	Key	1
12	Input Adapter	1	25	Ball Bearing	2			
13	Input Motor Flange	1	26	Primary Gear	1			

NOTES: REPLACEMENT GEARS ARE AVAILABLE IN SETS ONLY. FOR EXAMPLE, A FINAL GEAR KIT WILL CONTAIN THE FINAL GEAR AND FINAL PINION SHAFT. A PRIMARY GEAR KIT WILL CONTAIN A PRIMARY, GEAR AND A PRIMARY PINION. CONSULT FACTORY FOR PART NUMBERS. ALL BEVEL SETS MUST BE SHIMMED TO SET MOUNTING DISTANCE AND BEARING PRE-LOAD.

**K-SERIES HELICAL BEVEL
SEAL AND BEARING SIZES**
Input Bearings
(Item #17)

Unit Size	Bearing Part Number and Size				
	Series	OD (mm)	ID (mm)	Width (mm)	Sterling P/N
SSK33	6207LLC	72	35	17	400-0118-2
K043/SSK34	6207LLC3	72	35	17	400-0118-2
K063/SSK36	6208LLC3	80	40	18	400-0171-9
K073/SSK37	6211LLC3	100	55	21	400-0124-7

(Item #22)

Unit Size	Bearing Part Number and Size				
	Series	OD (mm)	ID (mm)	Width (mm)	Sterling P/N
SSK33	6305	62	25	17	400-0008-9
K043/SSK34	6305	62	25	17	400-0008-9
K063/SSK36	6306	72	30	19	400-0022-4
K073/SSK37	6307LLC3	80	35	21	400-0133-4

Intermediate Bearings
(Item #2)

Unit Size	Bearing Part Number and Size				
	Series	OD (mm)	ID (mm)	Width (mm)	Sterling P/N
SSK33	32003	40	17	12	400-0594-6
K043/SSK34	32004	42	20	15	400-0558-2
K063/SSK36	32205	52	25	19.25	400-0564-6
K073/SSK37	32206	62	30	25	400-0573-7

Output Bearings
(Item #25)

Unit Size	Bearing Part Number and Size				
	Series	OD (mm)	ID (mm)	Width (mm)	Sterling P/N
SSK33	6910	72	50	12	400-0593-7
K043/SSK34	6011	90	55	18	400-0559-1
K063/SSK36	6014	110	70	20	400-0563-7
K073/SSK37	6016	125	80	22	400-0572-8

Input Seal

Unit Size	Bearing Part Number and Size			
	Shaft (mm)	Bore (mm)	Width (mm)	Sterling P/N
SSK33	35	62	7	404-0350-0
K043/SSK34	35	62	7	404-0350-0
K063/SSK36	40	72	7	404-0362-8
K073/SSK37	35	55	8	404-0294-6

End Cap Seal

Unit Size	Bearing Part Number and Size			
	Shaft (mm)	Bore (mm)	Width (mm)	Sterling P/N
SSK33		40	7	404-0306-4
K043/SSK34	-	42	7	404-0407-3
K063/SSK36	-	52	7	404-0390-0
K073/SSK37	-	62	10	404-0437-3

Output Seal

Unit Size	Bearing Part Number and Size			
	Shaft (mm)	Bore (mm)	Width (mm)	Sterling P/N
SSK33	50	72	7	404-0505-5
K043/SSK34	55	90	10	404-0406-4
K063/SSK36	70	110	10	404-0412-8
K073/SSK37	80	125	10	404-0436-4

CONDITIONS OF SALE

Acceptance of your order is subject to the following terms and conditions as well as the condition of sale stated in the Price Book, which may not be superseded or modified in any manner by the terms of your purchase order unless specifically agreed to in writing by Sterling Electric, Inc. ("the Company");

1. **WARRANTY** - The Company warrants that all of its own manufactured products will be of the kind and quality described in the specifications established at time of purchase, and no other warranty, except of title, is herein expressed and none shall be implied. The conditions of any test of the products shall be mutually agreed upon, and the Company shall be notified of and may be represented at all tests that may be made. If any failure to comply with the specifications appears within one year from the date of shipment the Purchaser shall notify the Company thereof immediately. Failure to notify the Company within such period shall relieve said Company from any and all obligations. The liability of the Company (except as to title) arising out of the supplying of said products or their use, whether on warranties or otherwise, shall not in any case exceed the least of the cost or correcting defects in the products, by repair or by supplying a replacement, f.o.b. factory, of the defective part or parts. Upon expiration of (1) year from the date of shipment all such liability shall terminate.

THE FOREGOING WARRANTY IS IN LIEU OF ALL OTHER WARRANTIES, EXPRESSED OR IMPLIED, WITH RESPECT TO THE PRODUCT. INCLUDING ANY IMPLIED OR STATUTORY WARRANTY OF MERCHANTABILITY OR FITNESS FOR PURPOSE. NEITHER COMPANY NOR ITS SUPPLIERS SHALL BE LIABLE, WHETHER IN CONTRACT OR IN TORT OR UNDER ANY OTHER LEGAL THEORY, FOR LOSS OF USE, REVENUE OR PROFIT, OR FOR COST OF CAPITAL OR OF SUBSTITUTE USE OR PERFORMANCE, OR FOR INCIDENTAL, INDIRECT, SPECIAL OR CONSEQUENTIAL DAMAGES, OR FOR ANY OTHER LOSS OR COST OF SIMILAR TYPE, OR FOR CLAIMS BY PURCHASER FOR DAMAGES OR PURCHASER'S CUSTOMERS.

The Company is not responsible for damage to products or injury to persons or property due to abuse, improper installation or storage, alteration or modification, use other than for which originally sold, or through operations above rated load, either intentionally or otherwise, of any product or part. Further the Company shall not under any circumstances, be liable for the fault, negligence, or wrongful acts of purchaser or Purchaser's employees, or Purchaser's other contractors or suppliers. If any Purchaser fails to comply with the stipulated conditions of operation, or fails to permit the Company to inspect defects before repairing, or alters the product in any way, or fails to maintain the equipment in as-is shipped condition in storage, the Company's responsibility shall terminate.

2. **CHANGE OF PRICES/ORDERS** - A minimum charge of \$50.00 shall be charged on any order. Any order changes requested by Purchaser after order has been entered shall incur a minimum charge of \$50.00. In addition, charges will be made to cover the cost of re-engineering, drafting, parts scrapped because of the change and Price Book modifications caused by the change.

In the event of a price change, prices on the unshipped portions of all orders are subject to the price in effect at the time of shipment. Exceptions to these terms are stated in the Price Book Conditions of Sale.

3. **SHIPPING AND STORAGE** - Products shall be shipped f.o.b. point of shipment, no freight allowed. Shipping methods or carriers are at the discretion of the Company. Date of shipment shall be the date shown on bill of lading for receipt of shipment by initial carrier. The Company is not responsible for any damage incurred during delivery by common carrier. Purchaser shall file claim against the carrier. All storage claims must be filled within (10) days of the receipt of shipment.

Special storage preparation is recommended for products that will not be put in service within ninety days of shipment. Charges for this service are specified in the catalog Conditions of Sale. Failure to request such storage preparation will void the warranty on products stored over ninety days.

4. **TERMS OF PAYMENT** - Unless otherwise arranged, terms of payment are cash in full within thirty days of invoice date. Payment will be in U.S. Dollars. On late payments, in the contract price shall, without prejudice to the Company's right to immediate payment, be increased 1½% per month on the unpaid balance, but not to exceed the maximum permitted by law.

If at anytime in the Company's judgment the Purchaser may be or may become unable or unwilling to meet the terms specified, the Company may require satisfactory assurances, full or partial payment, as a condition to commencing or continuing manufacture of making shipment, and may, if shipment has been made, recover the product(s) from the carrier, pending receipt of such assurances.

5. **CANCELLATION** - Cancellation of this order may be made by written notice to Company provided that payment of cost incurred by the Company, to the time such notice is received, is made by Purchaser.

6. **PATENTS** - The Company shall defend any suit or proceeding brought against the Purchaser so far as based on a claim that any product, or any part thereof, furnished under this contract constitutes an infringement of any patent of the United States. If notified promptly in writing and given authority, information and assistance (at the Company's expense) for the defense of same, and the Company shall pay all damages and cost awarded therein against the Purchaser. In case said product, or any part thereof, is in such suit held to constitute infringement and the use of said product or part is enjoined, the Company shall, at its own expense, either procure for the Purchaser the right to continue using said product or part; or replace same with non-infringing product; or modify it so that it becomes non-infringing or remove said product and refund the purchase price and the transportation and installation costs thereof. The forgoing states the entire liability of the company for patent infringement by said product or any part thereof.

7. **DELIVERY/DELAY** - Shipping dates are estimates and are based upon prompt receipt of all necessary information. The Company shall not be liable for delay due to causes beyond its reasonable control, including but not limited to acts of God, acts of failure to act of government, acts or regulations of the federal or state governments, acts or omissions of the Purchaser, acts of civil or military authorities, priorities, fires, strikes, blizzards, earthquakes, tornadoes, floods, epidemics, quarantine restrictions, war, riots, delays in transportation, car, shortages, and inability, due to reasons beyond its reasonable control, to obtain necessary labor, material, or manufacturing facilities. In the event of any such delay, the date of the delivery shall be extended for a period equal to the time lost by reason of the delay and its consequences. Delay caused by Purchaser's request or amendment or addition to order shall cause the Company to apply those prices and price policy clauses in effect as of the date said order is finally released.

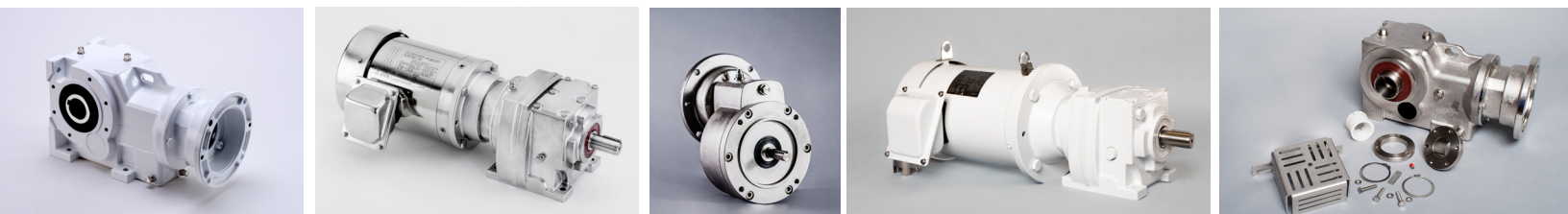
8. **TAXES** - The Company's prices do not include sales, use, excise, license or similar taxes. Consequently, in addition to the price specified herein, the amount of any present or future sales, use, excise, license or other similar tax applicable to the sale of the equipment, parts or accessories hereunder shall be paid by the Purchaser, or in lieu thereof the Purchaser shall provide the Company with a tax exemption certificate acceptable to the taxing authorities.

9. **TITLE** - The title and right of possession of the equipment, parts or accessories sold hereunder shall remain with the Company and such equipment shall remain personal property until all payments hereunder (including deferred payments, whether evidenced by notes or otherwise) shall have been made in full in cash and the Purchaser agrees to do all acts necessary to protect and maintain such right and title in the Company.

10. **WAIVER/INDEMNITY** - No waiver or modification of any of these terms and conditions of sale shall be valid unless it is made in writing and signed by both Company and Purchaser. Failure by the Company to enforce any right possessed under the foregoing terms and conditions shall not constitute a waiver thereof or establish a custom. Purchaser shall protect, defend, indemnify and hold harmless the Company for all loss, cost or expense arising out of any breach of these Conditions of Sale or negligent act of the Purchaser.

11. **LAWS/LIMITATIONS** - The Company will comply with all applicable Federal, State and local laws, and hereby represents that any goods to be delivered hereunder will be produced in compliance with the requirements of the Fair Labor Standards Act of 1938, as amended. The laws of the State of California shall govern the validity, interpretation and enforcement of this contract. No action, regardless of form, arising out of the sale of use of the products which are the subject of this contract may be brought by either party more than one year after the cause of action has accrued, except on action for nonpayment of the purchase price brought within one year after the last payment due date.

Prices or Data Subject to Change Without Notice



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