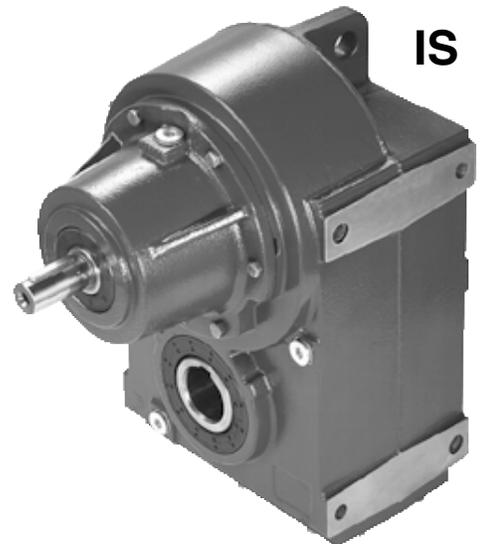
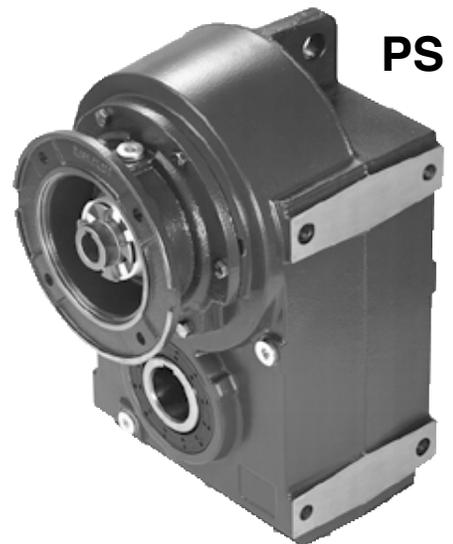
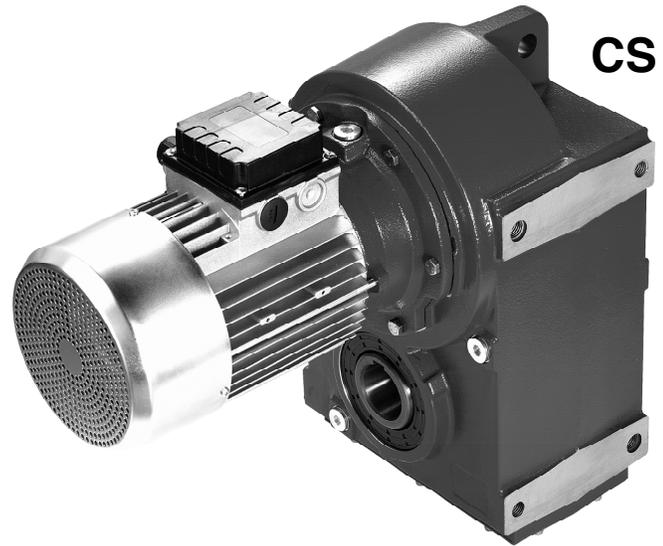


Parallel Helical Geared Motors and Parallel Helical Geared Units

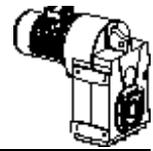
S





S Versions

	<p>Double/Triple Stage Hollow Output Bore</p>
	<p>Double/Triple Stage Solid Output Shaft</p>
	<p>Double/Triple Stage Flange Mount</p>
	<p>Double/Triple Stage Shrink Disk Mount (Shrink Disk bushing not shown)</p>


Nomenclature S

CS	082	C	FB	34.91	T	90S4	Pos2	1.500	B3
1	2	3	4	5	6	7	8	9	10

1. Style
CS

Parallel Helical Shaft Mount Gearmotor Motovario three-phase integral motor is permanently attached to the reducer. The motor and the reducer are supplied together.

PS

Parallel Helical Shaft Mount Gear Reducer with Input Coupling C-face-type input flange allows the reducer to accept standard NEMA and IEC motors with c-face adapters. The motor shaft is coupled to the reducer using a two-piece coupling. Motors are supplied separately from the gear reducers.

IS

Parallel Helical Shaft Mount Gear Reducer with Input Shaft Inch-standard or metric dimensioned input shaft allows for standard sprocket or pulley attachment, direct motor coupling or other types of free input.

2. Size

Two Stage Reduction	052
	062
	082
	102
	122
Three Stage Reduction	053
	063
	083
	103
	123

3. Output Style

- C** Hollow output bore
- D** Single extension output shaft
- L** Shrink disk mounting

4. Output Mounting Flange – FA, FB, FC

Parallel Helical Shaft Mount units have different output flange choices, depending on the size of the gear reducer. Output mounting flanges are optional accessories that bolt directly on to the reducer housing. Please refer to the dimensional drawings for details.

5. Reduction Ratio

The reduction ratio determines the output speed of the reducer. Ratios will vary depending on the size of the reducer. For a list of reduction ratios, please refer to pages 164-167 or 168-179.

6. Input Type
T

Three Phase Integral Motor CS units are supplied with Motovario three-phase motors. Please check motor size compatibility on pages 164-167.

P

IEC Input Coupling PS units supplied with IEC standard motor inputs must specify the frame size of the mounted motor. SmartBox™ units are only available with the B5 style IEC input flange. Please check input flange availability on pages 164-167.

N

NEMA Input Coupling PS units supplied with NEMA standard c-face motor inputs must specify the frame size of the mounted motor. Please check input flange availability on pages 164-167.

UB

Input Shaft Please specify the diameter of the input shaft in inches or millimeters. Input shaft sizes are specified on the gear reducer dimension pages, 194-203.

7. Integral Motor Description
Description of Motor Frame Size, Power and Speed

The motor frame size, power and speed must be specified when ordering a CS style SmartBox™. Please check the gearmotor ratings on pages 180-193 for gearmotor specifications.

or

Input Coupling Frame Size The motor frame size, either IEC or NEMA, must be specified when ordering a PS style SmartBox™. Please check with the motor supplier for the correct frame size.

8. Motor Mounting Position

Integral Motors The motor mounting position is specified only when ordering the SmartBox™ CS style units. The motor mounting position indicates the position of the terminal box and the wire strain relief connection. Please refer to page 163 for motor mounting position specifications.

9. Output Shaft Diameter

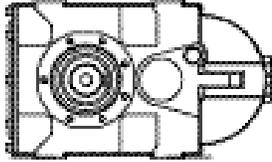
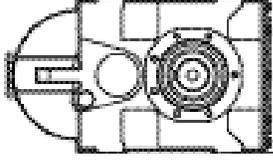
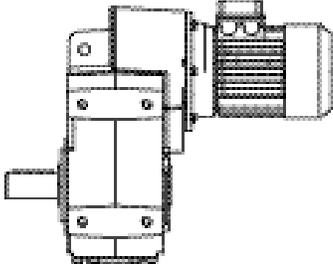
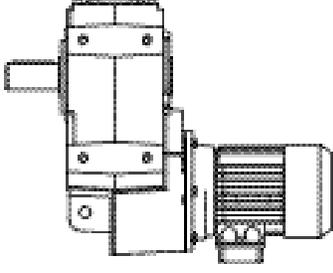
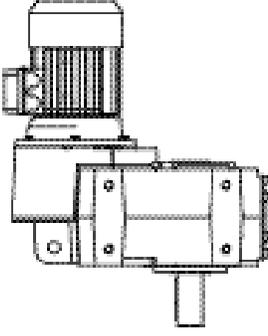
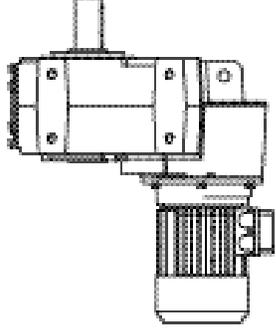
Specify the diameter of the output shaft in inches or millimeters. Output shaft sizes are specified on the gear reducer dimension pages, 194-203.

10. Reducer Mounting Position

The mounting position of the gear reducer or gearmotor must be specified when ordering for the proper placement of the sight glass and lubrication amount. Please refer to page 162 for mounting positions.



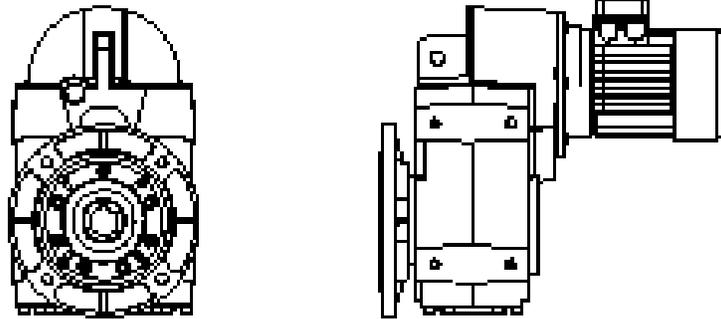
S Mounting Positions

<p style="text-align: center;">B3</p> 	<p style="text-align: center;">B8</p> 
<p style="text-align: center;">B6</p> 	<p style="text-align: center;">B7</p> 
<p style="text-align: center;">V5</p> 	<p style="text-align: center;">V6</p> 

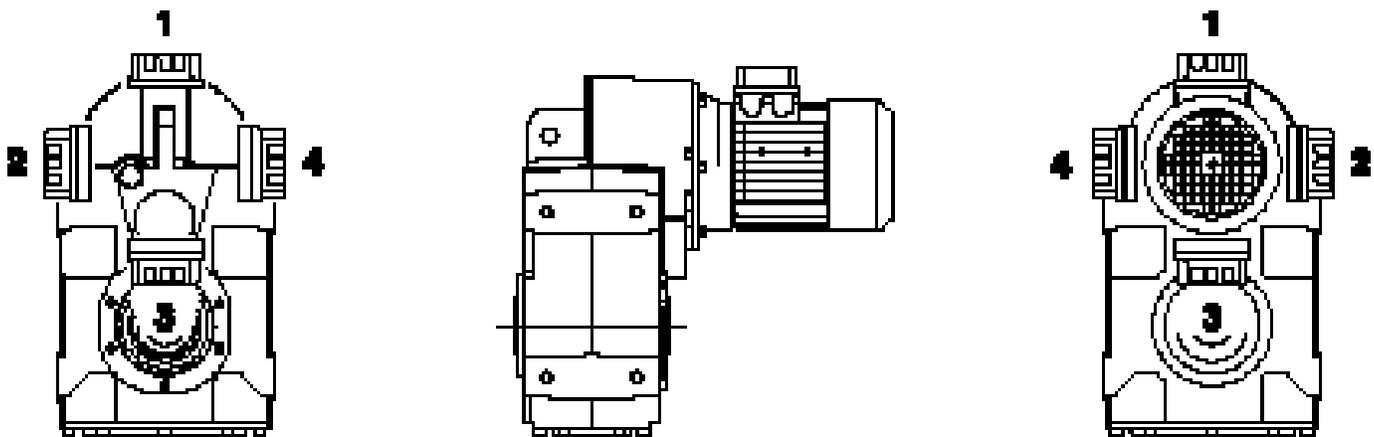
Mounting position must be specified when ordering to provide the proper gear configuration and lubrication quantity. If mounting position is not specified, gear reducers are supplied in position B3 (standard position).



Flange Positions S



Terminal Box Positions S



The motor terminal box position must be specified, according to the diagram, when ordering gearmotors. If terminal box position is not specified, the gearmotor is supplied with the terminal box in position 1. Terminal box positions always relate to the gear reducer mounted in position B6. For vertical mounting positions, refer to the Engineering and Technical Specifications section of this catalog. For positions not specified in this catalog, please contact Motovario.



S Input Types

CS-PS...052

i	NEMA			IEC				
	56C	140TC	180TC	071	080	090	100	112
8.63				B5-B11	B5-B11	B5-B11	B5-B11	B5-B11
11.14				B5-B11	B5-B11	B5-B11	B5-B11	B5-B11
13.66				B5-B11	B5-B11	B5-B11	B5-B11	B5-B11
15.27				B5-B11	B5-B11	B5-B11	B5-B11	B5-B11
16.29				B5-B11	B5-B11	B5-B11	B5-B11	B5-B11
18.63				B5-B11	B5-B11	B5-B11	B5-B11	B5-B11
21.04				B5-B11	B5-B11	B5-B11	B5-B11	B5-B11
24.07				B5-B11	B5-B11	B5-B11	B5-B11	B5-B11
25.79				B5-B11	B5-B11	B5-B11	B5-B11	B5-B11
27.41				B5-B11	B5-B11	B5-B11	B5-B11	B5-B11
30.00				B5-B11	B5-B11	B5-B11		
32.66				B5-B11	B5-B11	B5-B11	B5-B11	B5-B11
36.56				B5-B11	B5-B11	B5-B11		
39.90				B5-B11	B5-B11	B5-B11	B5-B11	B5-B11
42.63				B5-B11	B5-B11	B5-B11		
47.20				B5-B11	B5-B11	B5-B11		
52.25				B5-B11	B5-B11	B5-B11		
57.86				B5-B11	B5-B11	B5-B11		
72.43				B5-B11	B5-B11	B5-B11		

CS-PS...053

i	NEMA		IEC			
	56C	140TC	063	071	080	090
74.20			B5-B11	B5-B11	B5-B11	B5-B11
96.84			B5-B11	B5-B11	B5-B11	B5-B11
117.48			B5-B11	B5-B11	B5-B11	B5-B11
137.45			B5-B11	B5-B11	B5-B11	B5-B11
177.56			B5-B11	B5-B11	B5-B11	B5-B11
198.45			B5-B11	B5-B11		
217.64			B5-B11	B5-B11	B5-B11	B5-B11
256.33			B5-B11	B5-B11		
314.21			B5-B11	B5-B11		

CS-PS...062

i	NEMA			IEC				
	56C	140TC	180TC	071	080	090	100	112
8.00					B5-B11	B5-B11	B5-B11	B5-B11
9.55					B5-B11	B5-B11	B5-B11	B5-B11
11.71					B5-B11	B5-B11	B5-B11	B5-B11
13.36					B5-B11	B5-B11	B5-B11	B5-B11
15.94					B5-B11	B5-B11	B5-B11	B5-B11
19.55					B5-B11	B5-B11	B5-B11	B5-B11
23.18				B5-B11	B5-B11	B5-B11	B5-B11	B5-B11
25.14				B5-B12	B5-B11	B5-B11	B5-B11	B5-B11
27.66				B5-B13	B5-B11	B5-B11	B5-B11	B5-B11
30.00				B5-B14	B5-B11	B5-B11	B5-B11	B5-B11
33.93				B5-B15	B5-B11	B5-B11	B5-B11	B5-B11
36.67				B5-B16	B5-B11	B5-B11	B5-B11	B5-B11
39.38				B5-B17	B5-B11	B5-B11	B5-B11	B5-B11
43.64				B5-B18	B5-B11	B5-B11	B5-B11	B5-B11
46.70				B5-B19	B5-B11	B5-B11		
53.53				B5-B20	B5-B11	B5-B11	B5-B11	B5-B11
56.00				B5-B21	B5-B11	B5-B11		
67.47				B5-B22	B5-B11	B5-B11		

NEMA reducers available with c-face input only.

B5: Indicates IEC motor mount is available.

B11: Indicates integral IEC motor is available.


CS-PS...063

I	NEMA		IEC		
	56C	140TC	071	080	090
81.43			B5-B11	B5-B11	B5-B11
99.89			B5-B11	B5-B11	B5-B11
126.43			B5-B11	B5-B11	B5-B11
159.85			B5-B11	B5-B11	B5-B11
188.06			B5-B11	B5-B11	B5-B11
217.79			B5-B11		
267.16			B5-B11		

CS-PS...082

I	NEMA				IEC				
	56C	140TC	180TC	210TC	080	090	100	112	132
7.34					B5-B11	B5-B11	B5-B11	B5-B11	B5-B11
8.06					B5-B11	B5-B11	B5-B11	B5-B11	B5-B11
9.94					B5-B11	B5-B11	B5-B11	B5-B11	B5-B11
11.61					B5-B11	B5-B11	B5-B11	B5-B11	B5-B11
12.75					B5-B11	B5-B11	B5-B11	B5-B11	B5-B11
15.73					B5-B11	B5-B11	B5-B11	B5-B11	B5-B11
17.29					B5-B11	B5-B11	B5-B11	B5-B11	B5-B11
20.14					B5-B11	B5-B11	B5-B11	B5-B11	B5-B11
22.13					B5-B11	B5-B11	B5-B11	B5-B11	B5-B11
24.06					B5-B11	B5-B11	B5-B11	B5-B11	B5-B11
27.29					B5-B11	B5-B11	B5-B11	B5-B11	B5-B11
28.67					B5-B11	B5-B11	B5-B11	B5-B11	B5-B11
31.78					B5-B11	B5-B11	B5-B11	B5-B11	B5-B11
34.91					B5-B11	B5-B11	B5-B11	B5-B11	B5-B11
40.05					B5-B11	B5-B11	B5-B11	B5-B11	
43.05					B5-B11	B5-B11	B5-B11	B5-B11	B5-B11
50.25					B5-B11	B5-B11	B5-B11	B5-B11	
54.27					B5-B11	B5-B11	B5-B11	B5-B11	
61.98					B5-B11	B5-B11	B5-B11	B5-B11	

CS-PS...083

I	NEMA			IEC				
	56C	140TC	180TC	071	080	090	100	112
67.52					B5-B11	B5-B11	B5-B11	B5-B11
74.18					B5-B11	B5-B11	B5-B11	B5-B11
91.49					B5-B11	B5-B11	B5-B11	B5-B11
117.17				B5-B11	B5-B11	B5-B11		
128.73				B5-B11	B5-B11	B5-B11		
158.76				B5-B11	B5-B11	B5-B11		
184.88				B5-B11	B5-B11	B5-B11		
203.11				B5-B11	B5-B11	B5-B11		
250.30				B5-B11	B5-B11	B5-B11		
292.36				B5-B11	B5-B11	B5-B11		
315.73				B5-B11	B5-B11	B5-B11		
360.58				B5-B11	B5-B11	B5-B11		

NEMA reducers available with c-face input only.

B5: Indicates IEC motor mount is available.

B11: Indicates integral IEC motor is available.



S Input Types

CS-PS...102

i	NEMA					IEC					
	56C	140TC	180TC	210TC	250TC	080	090	100	112	132	160
4.06						B5-B11	B5-B11	B5-B11	B5-B11	B5-B11	B5
6.65						B5-B11	B5-B11	B5-B11	B5-B11	B5-B11	B5
10.68						B5-B11	B5-B11	B5-B11	B5-B11	B5-B11	B5
12.75						B5-B11	B5-B11	B5-B11	B5-B11	B5-B11	B5
13.99						B5-B11	B5-B11	B5-B11	B5-B11	B5-B11	B5
17.21						B5-B11	B5-B11	B5-B11	B5-B11	B5-B11	B5
19.00						B5-B11	B5-B11	B5-B11	B5-B11	B5-B11	
22.13						B5-B11	B5-B11	B5-B11	B5-B11	B5-B11	
24.28						B5-B11	B5-B11	B5-B11	B5-B11	B5-B11	
26.33						B5-B11	B5-B11	B5-B11	B5-B11	B5-B11	
29.67						B5-B11	B5-B11	B5-B11	B5-B11	B5-B11	
32.40						B5-B11	B5-B11	B5-B11	B5-B11	B5-B11	
34.91						B5-B11	B5-B11	B5-B11	B5-B11	B5-B11	
38.30						B5-B11	B5-B11	B5-B11	B5-B11	B5-B11	
44.00						B5-B11	B5-B11	B5-B11	B5-B11		
47.13						B5-B11	B5-B11	B5-B11	B5-B11	B5-B11	
55.14						B5-B11	B5-B11	B5-B11	B5-B11		
59.40						B5-B11	B5-B11	B5-B11	B5-B11		
67.64						B5-B11	B5-B11	B5-B11	B5-B11		

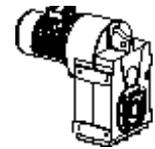
CS-PS...103

i	NEMA			IEC				
	56C	140TC	180TC	071	080	090	100	112
74.18					B5-B11	B5-B11	B5-B11	B5-B11
81.39					B5-B11	B5-B11	B5-B11	B5-B11
100.15					B5-B11	B5-B11	B5-B11	B5-B11
110.55				B5-B11	B5-B11	B5-B11	B5-B11	B5-B11
128.73				B5-B11	B5-B11	B5-B11	B5-B11	B5-B11
141.24				B5-B11	B5-B11	B5-B11	B5-B11	B5-B11
173.78				B5-B11	B5-B11	B5-B11	B5-B11	B5-B11
203.11				B5-B11	B5-B11	B5-B11	B5-B11	B5-B11
222.65				B5-B11	B5-B11	B5-B11	B5-B11	B5-B11
274.20				B5-B11	B5-B11	B5-B11		
320.79				B5-B11	B5-B11	B5-B11		
345.60				B5-B11	B5-B11	B5-B11		
394.69				B5-B11	B5-B11	B5-B11		

NEMA reducers available with c-face input only.

B5: Indicates IEC motor mount is available.

B11: Indicates integral IEC motor is available.



CS-PS...122

I	NEMA					
	140TC	180TC	210TC	250TC	280TC	320TC
8.48						
9.30						
11.42						
12.63						
13.84						
16.99						
21.25						
23.29						
26.15						
28.60						
30.51						
33.44						
35.20						
41.07						
43.60						
49.04						
53.75						
66.00						

I	IEC							
	080	090	100	112	132	160	180	200
8.48						B5	B5	B5
9.30						B5	B5	B5
11.42						B5	B5	B5
12.63						B5	B5	B5
13.84						B5	B5	B5
16.99						B5	B5	B5
21.25			B5-B11	B5-B11	B5-B11	B5	B5	
23.29			B5-B11	B5-B11	B5-B11	B5	B5	
26.15			B5-B11	B5-B11	B5-B11	B5	B5	
28.60			B5-B11	B5-B11	B5-B11	B5	B5	
30.51			B5-B11	B5-B11	B5-B11	B5	B5	
33.44			B5-B11	B5-B11	B5-B11	B5	B5	
35.20			B5-B11	B5-B11	B5-B11	B5	B5	
41.07			B5-B11	B5-B11	B5-B11	B5	B5	
43.60	B5-B11	B5-B11	B5-B11	B5-B11	B5-B11			
49.04	B5-B11	B5-B11	B5-B11	B5-B11	B5-B11			
53.75	B5-B11	B5-B11	B5-B11	B5-B11	B5-B11			
66.00	B5-B11	B5-B11	B5-B11	B5-B11	B5-B11			

CS-PS...123

I	NEMA					IEC				
	140TC	180TC	210TC	250TC	280TC	080	090	100	112	132
71.07								B5-B11	B5-B11	B5-B11
87.27								B5-B11	B5-B11	B5-B11
112.52						B5-B11	B5-B11	B5-B11	B5-B11	B5-B11
123.33						B5-B11	B5-B11	B5-B11	B5-B11	B5-B11
133.79						B5-B11	B5-B11	B5-B11	B5-B11	B5-B11
151.43						B5-B11	B5-B11	B5-B11	B5-B11	B5-B11
177.33						B5-B11	B5-B11	B5-B11	B5-B11	B5-B11
194.59						B5-B11	B5-B11	B5-B11	B5-B11	B5-B11
238.93						B5-B11	B5-B11	B5-B11	B5-B11	B5-B11
280.10						B5-B11	B5-B11	B5-B11	B5-B11	
301.16						B5-B11	B5-B11	B5-B11	B5-B11	
343.93						B5-B11	B5-B11	B5-B11	B5-B11	

NEMA reducers available with c-face input only.
 B5: Indicates IEC motor mount is available.
 B11: Indicates integral IEC motor is available.



S Gear Reducer Ratings – Input Speed 1750 RPM

Maximum Torque in lbs	Output Speed RPM	Exact Ratio i	Maximum Power HP	OHL		Gear Reducer	
				Output Shaft lbs.	Input Shaft lbs.	Motorized Input	Shaft Input
1504	203	8.63	5.0	689	161	PS052	IS052
1681	157	11.14	4.4	743	182	PS052	IS052
1858	128	13.66	3.9	786	195	PS052	IS052
2124	115	15.27	4.0	787	193	PS052	IS052
2124	107	16.29	3.8	810	200	PS052	IS052
2124	94	18.63	3.3	861	215	PS052	IS052
2300	83	21.04	3.2	883	219	PS052	IS052
2300	73	24.07	2.8	939	231	PS052	IS052
2566	68	25.79	2.9	929	228	PS052	IS052
2566	63	27.81	2.7	962	234	PS052	IS052
2566	58	30.00	2.5	996	240	PS052	IS052
2654	54	32.55	2.4	1020	244	PS052	IS052
2920	48	36.55	2.3	1036	245	PS052	IS052
3097	44	39.90	2.2	1053	247	PS052	IS052
3097	41	42.63	2.1	1086	252	PS052	IS052
3097	37	47.20	1.9	1139	258	PS052	IS052
3097	33	52.25	1.7	1194	263	PS052	IS052
3097	30	57.86	1.5	1250	269	PS052	IS052
3097	24	72.83	1.2	1348	278	PS052	IS052
3097	24	74.20	1.2	1348	279	PS053	IS053
3097	18	95.84	1.0	1348	287	PS053	IS053
3097	15	117.48	0.8	1348	293	PS053	IS053
3097	13	137.45	0.7	1348	296	PS053	IS053
3097	9.9	177.55	0.5	1348	301	PS053	IS053
3097	8.8	198.45	0.5	1348	302	PS053	IS053
3097	8.0	217.64	0.4	1348	303	PS053	IS053
3097	6.8	256.33	0.4	1348	305	PS053	IS053
3097	5.6	314.21	0.3	1348	307	PS053	IS053
2920	219	8.00	10.6	1058	79	PS062	IS062
3185	183	9.55	9.7	1107	99	PS062	IS062
3451	149	11.71	8.5	1177	124	PS062	IS062
3716	131	13.36	8.0	1211	135	PS062	IS062
3982	110	15.94	7.2	1277	154	PS062	IS062
4070	90	19.55	6.0	1396	181	PS062	IS062
4159	76	23.18	5.2	1501	200	PS062	IS062
4247	70	25.14	4.9	1545	206	PS062	IS062
4247	63	27.66	4.4	1617	216	PS062	IS062
4424	58	30.00	4.3	1651	220	PS062	IS062
4778	52	33.93	4.1	1692	225	PS062	IS062
5309	48	36.57	4.2	1668	222	PS062	IS062
5309	44	39.38	3.9	1730	229	PS062	IS062
5309	40	43.64	3.5	1819	237	PS062	IS062
5309	38	46.10	3.3	1868	242	PS062	IS062
5309	33	53.53	2.9	2006	252	PS062	IS062
5309	32	55.00	2.8	2032	254	PS062	IS062
5309	26	67.47	2.3	2233	265	PS062	IS062



Gear Reducer Ratings – Input Speed 1750 RPM S

Maximum Torque in lbs	Output Speed RPM	Exact Ratio i	Maximum Power HP	OHL		Gear Reducer	
				Output Shaft lbs.	Input Shaft lbs.	Motorized Input	Shaft Input
5309	21	81.43	1.9	2247	274	PS063	IS063
5309	18	99.89	1.6	2247	282	PS063	IS063
5309	14	126.43	1.2	2247	289	PS063	IS063
5309	12	150.85	1.0	2247	294	PS063	IS063
5309	9.5	185.05	0.8	2247	298	PS063	IS063
5309	8.0	217.79	0.7	2247	301	PS063	IS063
5309	6.6	267.16	0.6	2247	304	PS063	IS063
4866	238	7.34	19.2	2483	283	PS082	IS082
5309	217	8.06	19.0	2537	286	PS082	IS082
5751	176	9.94	16.7	2714	333	PS082	IS082
6194	151	11.61	15.4	2844	359	PS082	IS082
6636	137	12.75	15.1	2913	367	PS082	IS082
6813	111	15.73	12.5	3146	418	PS082	IS082
6813	101	17.29	11.4	3265	441	PS082	IS082
6813	87	20.14	9.8	3463	473	PS082	IS082
7078	79	22.13	9.3	3567	484	PS082	IS082
7078	73	24.00	8.5	3681	499	PS082	IS082
7963	64	27.29	8.4	3792	501	PS082	IS082
7963	61	28.67	8.0	3865	509	PS082	IS082
8848	55	31.78	8.1	3947	508	PS082	IS082
8848	50	34.91	7.3	4045	523	PS082	IS082
8848	44	40.05	6.4	4045	542	PS082	IS082
8848	41	43.05	5.9	4045	551	PS082	IS082
8848	35	50.25	5.1	4045	568	PS082	IS082
8848	32	54.27	4.7	4045	576	PS082	IS082
8848	28	61.98	4.1	4045	588	PS082	IS082
8848	26	67.52	3.9	4045	595	PS083	IS083
8848	24	74.18	3.5	4045	602	PS083	IS083
8848	19	91.49	2.9	4045	615	PS083	IS083
8848	15	117.17	2.2	4045	627	PS083	IS083
8848	14	128.73	2.0	4045	631	PS083	IS083
8848	11	158.76	1.6	4045	639	PS083	IS083
8848	9.5	184.88	1.4	4045	643	PS083	IS083
8848	8.6	203.11	1.3	4045	646	PS083	IS083
8848	7.0	250.50	1.0	4045	651	PS083	IS083
8848	6.0	292.36	0.9	4045	654	PS083	IS083
8848	5.5	315.73	0.8	4045	655	PS083	IS083
8848	4.9	360.58	0.7	4045	657	PS083	IS083



S Gear Reducer Ratings – Input Speed 1750 RPM

Maximum Torque in lbs	Output Speed RPM	Exact Ratio i	Maximum Power HP	OHL		Gear Reducer	
				Output Shaft lbs.	Input Shaft lbs.	Motorized Input	Shaft Input
7521	217	8.06	27.0	3131	145	PS102	IS102
7963	198	8.85	26.0	3214	164	PS102	IS102
8406	161	10.88	22.3	3450	236	PS102	IS102
8848	137	12.75	20.1	3635	280	PS102	IS102
10618	125	13.99	22.0	3650	244	PS102	IS102
11502	102	17.21	19.3	3899	295	PS102	IS102
12387	92	19.00	18.9	3995	304	PS102	IS102
12387	79	22.13	16.2	4243	356	PS102	IS102
13272	72	24.28	15.8	4342	363	PS102	IS102
13272	66	26.33	14.6	4484	387	PS102	IS102
13272	59	29.87	12.9	4712	421	PS102	IS102
13272	54	32.40	11.9	4864	441	PS102	IS102
12387	50	34.91	10.3	4944	472	PS102	IS102
13272	46	38.30	10.0	4944	476	PS102	IS102
11502	40	44.00	7.6	4944	524	PS102	IS102
14157	37	47.13	8.7	4944	502	PS102	IS102
11502	32	55.14	6.0	4944	554	PS102	IS102
14157	29	59.40	6.9	4944	537	PS102	IS102
14157	26	67.84	6.0	4944	554	PS102	IS102
14157	24	74.18	5.6	4944	564	PS103	IS103
14157	22	81.39	5.1	4944	574	PS103	IS103
14157	17	100.15	4.2	4944	592	PS103	IS103
14157	16	110.55	3.8	4944	599	PS103	IS103
14157	14	128.73	3.2	4944	610	PS103	IS103
14157	12	141.24	3.0	4944	615	PS103	IS103
14157	10	173.78	2.4	4944	626	PS103	IS103
14157	8.6	203.11	2.1	4944	632	PS103	IS103
14157	7.9	222.85	1.9	4944	636	PS103	IS103
14157	6.4	274.20	1.5	4944	643	PS103	IS103
14157	5.5	320.79	1.3	4944	647	PS103	IS103
14157	5.1	345.60	1.2	4944	649	PS103	IS103
14157	4.4	394.69	1.1	4944	651	PS103	IS103



Gear Reducer Ratings – Input Speed 1750 RPM S

Maximum Torque in lbs	Output Speed RPM	Exact Ratio i	Maximum Power HP	OHL		Gear Reducer	
				Output Shaft lbs.	Input Shaft lbs.	Motorized Input	Shaft Input
13272	206	8.48	45.3	3999	663	PS122	IS122
15042	188	9.30	46.8	3991	655	PS122	IS122
16811	153	11.42	42.6	4201	677	PS122	IS122
19466	139	12.63	44.6	4143	666	PS122	IS122
21235	126	13.84	44.4	4157	668	PS122	IS122
23005	103	16.99	39.2	4422	694	PS122	IS122
24775	82	21.25	33.7	4760	721	PS122	IS122
25659	75	23.29	31.9	4894	731	PS122	IS122
26544	67	26.15	29.4	5096	731	PS122	IS122
26544	61	28.60	26.9	5325	731	PS122	IS122
26544	57	30.51	25.2	5495	731	PS122	IS122
26544	52	33.44	23.0	5743	732	PS122	IS122
26544	50	35.20	21.8	5884	732	PS122	IS122
26544	43	41.07	18.7	6324	732	PS122	IS122
26544	40	43.60	17.6	6501	732	PS122	IS122
21235	36	49.04	12.5	6742	828	PS122	IS122
23005	33	53.75	12.4	6742	829	PS122	IS122
26544	27	66.00	11.6	6742	833	PS122	IS122
23890	25	71.07	9.9	6742	842	PS123	IS123
26544	20	87.27	9.0	6742	847	PS123	IS123
26544	16	112.52	7.0	6742	857	PS123	IS123
26544	14	123.33	6.4	6742	860	PS123	IS123
26544	13	133.78	5.9	6742	860	PS123	IS123
26544	12	151.43	5.2	6742	866	PS123	IS123
26544	9.9	177.53	4.4	6742	869	PS123	IS123
26544	9.0	194.59	4.0	6742	871	PS123	IS123
26544	7.3	238.93	3.3	6742	875	PS123	IS123
26544	6.2	280.10	2.8	6742	877	PS123	-
26544	5.8	301.16	2.6	6742	878	PS123	-
26544	5.1	343.93	2.3	6742	880	PS123	-



S Gear Reducer Ratings – Input Speed 1140 RPM

Maximum Torque in lbs	Output Speed RPM	Exact Ratio i	Maximum Power HP	OHL		Gear Reducer	
				Output Shaft lbs.	Input Shaft lbs.	Motorized Input	Shaft Input
1504	132	8.63	3.3	827	161	PS052	IS052
1681	102	11.14	2.8	894	182	PS052	IS052
1858	83	13.66	2.6	947	195	PS052	IS052
2124	75	15.27	2.6	954	193	PS052	IS052
2124	70	16.29	2.5	981	200	PS052	IS052
2124	61	18.63	2.1	1040	215	PS052	IS052
2300	54	21.04	2.1	1069	219	PS052	IS052
2300	47	24.07	1.8	1133	231	PS052	IS052
2566	44	25.79	1.9	1127	228	PS052	IS052
2566	41	27.81	1.7	1165	234	PS052	IS052
2566	38	30.00	1.6	1205	240	PS052	IS052
2654	35	32.55	1.5	1235	244	PS052	IS052
2920	31	36.55	1.5	1259	245	PS052	IS052
3097	29	39.90	1.5	1283	247	PS052	IS052
3097	27	42.63	1.4	1321	252	PS052	IS052
3097	24	47.20	1.2	1348	258	PS052	IS052
3097	22	52.25	1.1	1348	263	PS052	IS052
3097	20	57.86	1.0	1348	269	PS052	IS052
3097	16	72.83	0.8	1348	278	PS052	IS052
3097	15	74.20	0.8	1348	279	PS053	IS053
3097	12	95.84	0.6	1348	287	PS053	IS053
3097	9.7	117.48	0.5	1348	293	PS053	IS053
3097	8.3	137.45	0.4	1348	296	PS053	IS053
3097	6.4	177.55	0.3	1348	301	PS053	IS053
3097	5.7	198.45	0.3	1348	302	PS053	IS053
3097	5.2	217.64	0.3	1348	303	PS053	IS053
3097	4.4	256.33	0.2	1348	305	PS053	IS053
3097	3.6	314.21	0.2	1348	307	PS053	IS053
2920	143	8.00	6.9	1290	79	PS062	IS062
3185	119	9.55	6.3	1353	99	PS062	IS062
3451	97	11.71	5.6	1440	124	PS062	IS062
3716	85	13.36	5.2	1486	135	PS062	IS062
3982	72	15.94	4.7	1568	154	PS062	IS062
4070	58	19.55	3.9	1708	181	PS062	IS062
4159	49	23.18	3.4	1830	200	PS062	IS062
4247	45	25.14	3.2	1884	206	PS062	IS062
4247	41	27.66	2.9	1966	216	PS062	IS062
4424	38	30.00	2.8	2010	220	PS062	IS062
4778	34	33.93	2.7	2065	225	PS062	IS062
5309	31	36.57	2.7	2051	222	PS062	IS062
5309	29	39.38	2.5	2123	229	PS062	IS062
5309	26	43.64	2.3	2226	237	PS062	IS062
5309	25	46.10	2.2	2247	242	PS062	IS062
5309	21	53.53	1.9	2247	252	PS062	IS062
5309	21	55.00	1.8	2247	254	PS062	IS062
5309	17	67.47	1.5	2247	265	PS062	IS062



Gear Reducer Ratings – Input Speed 1140 RPM S

Maximum Torque in lbs	Output Speed RPM	Exact Ratio i	Maximum Power HP	OHL		Gear Reducer	
				Output Shaft lbs.	Input Shaft lbs.	Motorized Input	Shaft Input
5309	14	81.43	1.3	2247	274	PS063	IS063
5309	11	99.89	1.0	2247	282	PS063	IS063
5309	9.0	126.43	0.8	2247	289	PS063	IS063
5309	7.6	150.85	0.7	2247	294	PS063	IS063
5309	6.2	185.05	0.6	2247	298	PS063	IS063
5309	5.2	217.79	0.5	2247	301	PS063	IS063
5309	4.3	267.16	0.4	2247	304	PS063	IS063
4866	155	7.34	12.5	2922	283	PS082	IS082
5309	141	8.06	12.4	2990	286	PS082	IS082
5751	115	9.94	10.9	3199	333	PS082	IS082
6194	98	11.61	10.1	3354	359	PS082	IS082
6636	89	12.75	9.8	3439	367	PS082	IS082
6813	72	15.73	8.2	3711	418	PS082	IS082
6813	66	17.29	7.4	3847	441	PS082	IS082
6813	57	20.14	6.4	4045	473	PS082	IS082
7078	52	22.13	6.0	4045	484	PS082	IS082
7078	48	24.00	5.6	4045	499	PS082	IS082
7963	42	27.29	5.5	4045	501	PS082	IS082
7963	40	28.67	5.2	4045	509	PS082	IS082
8848	36	31.78	5.2	4045	508	PS082	IS082
8848	33	34.91	4.8	4045	523	PS082	IS082
8848	28	40.05	4.2	4045	542	PS082	IS082
8848	26	43.05	3.9	4045	551	PS082	IS082
8848	23	50.25	3.3	4045	568	PS082	IS082
8848	21	54.27	3.1	4045	576	PS082	IS082
8848	18	61.98	2.7	4045	588	PS082	IS082
8848	17	67.52	2.5	4045	595	PS083	IS083
8848	15	74.18	2.3	4045	602	PS083	IS083
8848	12	91.49	1.9	4045	615	PS083	IS083
8848	9.7	117.17	1.5	4045	627	PS083	IS083
8848	8.9	128.73	1.3	4045	631	PS083	IS083
8848	7.2	158.76	1.1	4045	639	PS083	IS083
8848	6.2	184.88	0.9	4045	643	PS083	IS083
8848	5.6	203.11	0.8	4045	646	PS083	IS083
8848	4.6	250.50	0.7	4045	651	PS083	IS083
8848	3.9	292.36	0.6	4045	654	PS083	IS083
8848	3.6	315.73	0.5	4045	655	PS083	IS083
8848	3.2	360.58	0.5	4045	657	PS083	IS083



S Gear Reducer Ratings – Input Speed 1140 RPM

Maximum Torque in lbs	Output Speed RPM	Exact Ratio i	Maximum Power HP	OHL		Gear Reducer	
				Output Shaft lbs.	Input Shaft lbs.	Motorized Input	Shaft Input
7521	141	8.06	17.6	3682	145	PS102	IS102
7963	129	8.85	17.0	3782	164	PS102	IS102
8406	105	10.88	14.6	4058	236	PS102	IS102
8848	89	12.75	13.1	4276	280	PS102	IS102
10618	81	13.99	14.3	4311	244	PS102	IS102
11502	66	17.21	12.6	4607	295	PS102	IS102
12387	60	19.00	12.3	4727	304	PS102	IS102
12387	52	22.13	10.6	4944	356	PS102	IS102
13272	47	24.28	10.3	4944	363	PS102	IS102
13272	43	26.33	9.5	4944	387	PS102	IS102
13272	38	29.87	8.4	4944	421	PS102	IS102
13272	35	32.40	7.7	4944	441	PS102	IS102
12387	33	34.91	6.7	4944	472	PS102	IS102
13272	30	38.30	6.5	4944	476	PS102	IS102
11502	26	44.00	4.9	4944	524	PS102	IS102
14157	24	47.13	5.7	4944	502	PS102	IS102
11502	21	55.14	3.9	4944	554	PS102	IS102
14157	19	59.40	4.5	4944	537	PS102	IS102
14157	17	67.84	3.9	4944	554	PS102	IS102
14157	15	74.18	3.7	4944	564	PS103	IS103
14157	14	81.39	3.3	4944	574	PS103	IS103
14157	11	100.15	2.7	4944	592	PS103	IS103
14157	10	110.55	2.5	4944	599	PS103	IS103
14157	8.9	128.73	2.1	4944	610	PS103	IS103
14157	8.1	141.24	1.9	4944	615	PS103	IS103
14157	6.6	173.78	1.6	4944	626	PS103	IS103
14157	5.6	203.11	1.3	4944	632	PS103	IS103
14157	5.1	222.85	1.2	4944	636	PS103	IS103
14157	4.2	274.20	1.0	4944	643	PS103	IS103
14157	3.6	320.79	0.8	4944	647	PS103	IS103
14157	3.3	345.60	0.8	4944	649	PS103	IS103
14157	2.9	394.69	0.7	4944	651	PS103	IS103



Gear Reducer Ratings – Input Speed 1140 RPM S

Maximum Torque in lbs	Output Speed RPM	Exact Ratio i	Maximum Power HP	OHL		Gear Reducer	
				Output Shaft lbs.	Input Shaft lbs.	Motorized Input	Shaft Input
13272	134	8.48	29.5	4800	663	PS122	IS122
15042	123	9.30	30.5	4817	655	PS122	IS122
16811	100	11.42	27.8	5086	677	PS122	IS122
19466	90	12.63	29.1	5057	666	PS122	IS122
21235	82	13.84	28.9	5099	668	PS122	IS122
23005	67	16.99	25.5	5430	694	PS122	IS122
24775	54	21.25	22.0	5845	721	PS122	IS122
25659	49	23.29	20.8	6013	731	PS122	IS122
26544	44	26.15	19.1	6258	731	PS122	IS122
26544	40	28.60	17.5	6522	731	PS122	IS122
26544	37	30.51	16.4	6718	731	PS122	IS122
26544	34	33.44	15.0	6742	732	PS122	IS122
26544	32	35.20	14.2	6742	732	PS122	IS122
26544	28	41.07	12.2	6742	732	PS122	IS122
26544	26	43.60	11.5	6742	732	PS122	IS122
21235	23	49.04	8.2	6742	828	PS122	IS122
23005	21	53.75	8.1	6742	829	PS122	IS122
26544	17	66.00	7.6	6742	833	PS122	IS122
23890	16	71.07	6.5	6742	842	PS123	IS123
26544	13	87.27	5.9	6742	847	PS123	IS123
26544	10	112.52	4.5	6742	857	PS123	IS123
26544	9.2	123.33	4.1	6742	860	PS123	IS123
26544	8.5	133.78	3.8	6742	860	PS123	IS123
26544	7.5	151.43	3.4	6742	866	PS123	IS123
26544	6.4	177.53	2.9	6742	869	PS123	IS123
26544	5.9	194.59	2.6	6742	871	PS123	IS123
26544	4.8	238.93	2.1	6742	875	PS123	IS123
26544	4.1	280.10	1.8	6742	877	PS123	-
26544	3.8	301.16	1.7	6742	878	PS123	-
26544	3.3	343.93	1.5	6742	880	PS123	-



S Gear Reducer Ratings – Input Speed 875 RPM

Maximum Torque in lbs	Output Speed RPM	Exact Ratio i	Maximum Power HP	OHL		Gear Reducer	
				Output Shaft lbs.	Input Shaft lbs.	Motorized Input	Shaft Input
1504	101	8.63	2.5	923	161	PS052	IS052
1681	79	11.14	2.2	998	182	PS052	IS052
1858	64	13.66	2.0	1058	195	PS052	IS052
2124	57	15.27	2.0	1069	193	PS052	IS052
2124	54	16.29	1.9	1099	200	PS052	IS052
2124	47	18.63	1.6	1163	215	PS052	IS052
2300	42	21.04	1.6	1197	219	PS052	IS052
2300	36	24.07	1.4	1267	231	PS052	IS052
2566	34	25.79	1.4	1265	228	PS052	IS052
2566	31	27.81	1.3	1306	234	PS052	IS052
2566	29	30.00	1.2	1348	240	PS052	IS052
2654	27	32.55	1.2	1348	244	PS052	IS052
2920	24	36.55	1.2	1348	245	PS052	IS052
3097	22	39.90	1.1	1348	247	PS052	IS052
3097	21	42.63	1.1	1348	252	PS052	IS052
3097	19	47.20	0.9	1348	258	PS052	IS052
3097	17	52.25	0.9	1348	263	PS052	IS052
3097	15	57.86	0.8	1348	269	PS052	IS052
3097	12	72.83	0.6	1348	278	PS052	IS052
3097	12	74.20	0.6	1348	279	PS053	IS053
3097	9.1	95.84	0.5	1348	287	PS053	IS053
3097	7.4	117.48	0.4	1348	293	PS053	IS053
3097	6.4	137.45	0.3	1348	296	PS053	IS053
3097	4.9	177.55	0.3	1348	301	PS053	IS053
3097	4.4	198.45	0.2	1348	302	PS053	IS053
3097	4.0	217.64	0.2	1348	303	PS053	IS053
3097	3.4	256.33	0.2	1348	305	PS053	IS053
3097	2.8	314.21	0.1	1348	307	PS053	IS053
2920	109	8.00	5.3	1450	79	PS062	IS062
3185	92	9.55	4.8	1523	99	PS062	IS062
3451	75	11.71	4.3	1622	124	PS062	IS062
3716	66	13.36	4.0	1676	135	PS062	IS062
3982	55	15.94	3.6	1770	154	PS062	IS062
4070	45	19.55	3.0	1924	181	PS062	IS062
4159	38	23.18	2.6	2058	200	PS062	IS062
4247	35	25.14	2.4	2118	206	PS062	IS062
4247	32	27.66	2.2	2208	216	PS062	IS062
4424	29	30.00	2.1	2247	220	PS062	IS062
4778	26	33.93	2.0	2247	225	PS062	IS062
5309	24	36.57	2.1	2247	222	PS062	IS062
5309	22	39.38	2.0	2247	229	PS062	IS062
5309	20	43.64	1.8	2247	237	PS062	IS062
5309	19	46.10	1.7	2247	242	PS062	IS062
5309	16	53.53	1.4	2247	252	PS062	IS062
5309	16	55.00	1.4	2247	254	PS062	IS062
5309	13	67.47	1.1	2247	265	PS062	IS062



Gear Reducer Ratings – Input Speed 875 RPM S

Maximum Torque in lbs	Output Speed RPM	Exact Ratio i	Maximum Power HP	OHL		Gear Reducer	
				Output Shaft lbs.	Input Shaft lbs.	Motorized Input	Shaft Input
5309	11	81.43	1.0	2247	274	PS063	IS063
5309	8.8	99.89	0.8	2247	282	PS063	IS063
5309	6.9	126.43	0.6	2247	289	PS063	IS063
5309	5.8	150.85	0.5	2247	294	PS063	IS063
5309	4.7	185.05	0.4	2247	298	PS063	IS063
5309	4.0	217.79	0.4	2247	301	PS063	IS063
5309	3.3	267.16	0.3	2247	304	PS063	IS063
4866	119	7.34	9.6	3225	283	PS082	IS082
5309	109	8.06	9.5	3303	286	PS082	IS082
5751	88	9.94	8.4	3534	333	PS082	IS082
6194	75	11.61	7.7	3708	359	PS082	IS082
6636	69	12.75	7.5	3804	367	PS082	IS082
6813	56	15.73	6.3	4045	418	PS082	IS082
6813	51	17.29	5.7	4045	441	PS082	IS082
6813	43	20.14	4.9	4045	473	PS082	IS082
7078	40	22.13	4.6	4045	484	PS082	IS082
7078	36	24.00	4.3	4045	499	PS082	IS082
7963	32	27.29	4.2	4045	501	PS082	IS082
7963	31	28.67	4.0	4045	509	PS082	IS082
8848	28	31.78	4.0	4045	508	PS082	IS082
8848	25	34.91	3.7	4045	523	PS082	IS082
8848	22	40.05	3.2	4045	542	PS082	IS082
8848	20	43.05	3.0	4045	551	PS082	IS082
8848	17	50.25	2.5	4045	568	PS082	IS082
8848	16	54.27	2.4	4045	576	PS082	IS082
8848	14	61.98	2.1	4045	588	PS082	IS082
8848	13	67.52	1.9	4045	595	PS083	IS083
8848	12	74.18	1.8	4045	602	PS083	IS083
8848	9.6	91.49	1.4	4045	615	PS083	IS083
8848	7.5	117.17	1.1	4045	627	PS083	IS083
8848	6.8	128.73	1.0	4045	631	PS083	IS083
8848	5.5	158.76	0.8	4045	639	PS083	IS083
8848	4.7	184.88	0.7	4045	643	PS083	IS083
8848	4.3	203.11	0.6	4045	646	PS083	IS083
8848	3.5	250.50	0.5	4045	651	PS083	IS083
8848	3.0	292.36	0.4	4045	654	PS083	IS083
8848	2.8	315.73	0.4	4045	655	PS083	IS083
8848	2.4	360.58	0.4	4045	657	PS083	IS083



S Gear Reducer Ratings – Input Speed 875 RPM

Maximum Torque in lbs	Output Speed RPM	Exact Ratio i	Maximum Power HP	OHL		Gear Reducer	
				Output Shaft lbs.	Input Shaft lbs.	Motorized Input	Shaft Input
7521	109	8.06	13.5	4063	145	PS102	IS102
7963	99	8.85	13.0	4175	164	PS102	IS102
8406	80	10.88	11.2	4479	236	PS102	IS102
8848	69	12.75	10.0	4719	280	PS102	IS102
10618	63	13.99	11.0	4768	244	PS102	IS102
11502	51	17.21	9.7	4944	295	PS102	IS102
12387	46	19.00	9.4	4944	304	PS102	IS102
12387	40	22.13	8.1	4944	356	PS102	IS102
13272	36	24.28	7.9	4944	363	PS102	IS102
13272	33	26.33	7.3	4944	387	PS102	IS102
13272	29	29.87	6.4	4944	421	PS102	IS102
13272	27	32.40	5.9	4944	441	PS102	IS102
12387	25	34.91	5.1	4944	472	PS102	IS102
13272	23	38.30	5.0	4944	476	PS102	IS102
11502	20	44.00	3.8	4944	524	PS102	IS102
14157	19	47.13	4.3	4944	502	PS102	IS102
11502	16	55.14	3.0	4944	554	PS102	IS102
14157	15	59.40	3.4	4944	537	PS102	IS102
14157	13	67.84	3.0	4944	554	PS102	IS102
14157	12	74.18	2.8	4944	564	PS103	IS103
14157	11	81.39	2.6	4944	574	PS103	IS103
14157	8.7	100.15	2.1	4944	592	PS103	IS103
14157	7.9	110.55	1.9	4944	599	PS103	IS103
14157	6.8	128.73	1.6	4944	610	PS103	IS103
14157	6.2	141.24	1.5	4944	615	PS103	IS103
14157	5.0	173.78	1.2	4944	626	PS103	IS103
14157	4.3	203.11	1.0	4944	632	PS103	IS103
14157	3.9	222.85	0.9	4944	636	PS103	IS103
14157	3.2	274.20	0.8	4944	643	PS103	IS103
14157	2.7	320.79	0.7	4944	647	PS103	IS103
14157	2.5	345.60	0.6	4944	649	PS103	IS103
14157	2.2	394.69	0.5	4944	651	PS103	IS103



Gear Reducer Ratings – Input Speed 875 RPM **S**

Maximum Torque in lbs	Output Speed RPM	Exact Ratio i	Maximum Power HP	OHL		Gear Reducer	
				Output Shaft lbs.	Input Shaft lbs.	Motorized Input	Shaft Input
13272	103	8.48	22.6	5355	663	PS122	IS122
15042	94	9.30	23.4	5388	655	PS122	IS122
16811	77	11.42	21.3	5697	677	PS122	IS122
19466	69	12.63	22.3	5689	666	PS122	IS122
21235	63	13.84	22.2	5751	668	PS122	IS122
23005	51	16.99	19.6	6127	694	PS122	IS122
24775	41	21.25	16.9	6595	721	PS122	IS122
25659	38	23.29	15.9	6742	731	PS122	IS122
26544	33	26.15	14.7	6742	731	PS122	IS122
26544	31	28.60	13.4	6742	731	PS122	IS122
26544	29	30.51	12.6	6742	731	PS122	IS122
26544	26	33.44	11.5	6742	732	PS122	IS122
26544	25	35.20	10.9	6742	732	PS122	IS122
26544	21	41.07	9.3	6742	732	PS122	IS122
26544	20	43.60	8.8	6742	732	PS122	IS122
21235	18	49.04	6.3	6742	828	PS122	IS122
23005	16	53.75	6.2	6742	829	PS122	IS122
26544	13	66.00	5.8	6742	833	PS122	IS122
23890	12	71.07	5.0	6742	842	PS123	IS123
26544	10	87.27	4.5	6742	847	PS123	IS123
26544	7.8	112.52	3.5	6742	857	PS123	IS123
26544	7.1	123.33	3.2	6742	860	PS123	IS123
26544	6.5	133.78	2.9	6742	860	PS123	IS123
26544	5.8	151.43	2.6	6742	866	PS123	IS123
26544	4.9	177.53	2.2	6742	869	PS123	IS123
26544	4.5	194.59	2.0	6742	871	PS123	IS123
26544	3.7	238.93	1.6	6742	875	PS123	IS123
26544	3.1	280.10	1.4	6742	877	PS123	-
26544	2.9	301.16	1.3	6742	878	PS123	-
26544	2.5	343.93	1.1	6742	880	PS123	-



S Gearmotor Ratings – Motor Speed 1750 RPM

Input Power HP	Output Speed RPM	Service Factor sf	Output Torque in lbs.	Exact Ratio i	Maximum Torque in lbs.	OHL Output Shaft lbs.	Gearmotor		Gear Reducer		
							Reducer	Motor	Reducer	NEMA C-face	
0.16	203	31.5	48	8.63	1504	689	-	-	PS052	56C	
	157	27.3	62	11.14	1681	743	-	-	PS052	56C	
	128	24.6	76	13.66	1858	786	-	-	PS052	56C	
	115	25.1	84	15.27	2124	787	-	-	PS052	56C	
	107	23.6	90	16.29	2124	810	-	-	PS052	56C	
	94	20.6	103	18.63	2124	861	-	-	PS052	56C	
	83	19.8	116	21.04	2300	883	-	-	PS052	56C	
	73	17.3	133	24.07	2300	939	-	-	PS052	56C	
	68	18.0	143	25.79	2566	929	-	-	PS052	56C	
	63	16.7	154	27.81	2566	962	-	-	PS052	56C	
	58	15.5	166	30.00	2566	996	-	-	PS052	56C	
	54	14.7	180	32.55	2654	1020	-	-	PS052	56C	
	48	14.4	203	36.55	2920	1036	-	-	PS052	56C	
	44	14.0	221	39.90	3097	1053	-	-	PS052	56C	
	41	13.1	236	42.63	3097	1086	-	-	PS052	56C	
	37	11.9	261	47.20	3097	1139	-	-	PS052	56C	
	33	10.7	289	52.25	3097	1194	-	-	PS052	56C	
	30	9.7	320	57.86	3097	1250	-	-	PS052	56C	
	24	7.7	403	72.83	3097	1348	-	-	PS052	56C	
	24	7.7	402	74.20	3097	1348	CS053	63A4	PS053	56C	
	18	6.0	519	95.84	3097	1348	CS053	63A4	PS053	56C	
	15	4.9	636	117.48	3097	1348	CS053	63A4	PS053	56C	
	13	4.2	744	137.45	3097	1348	CS053	63A4	PS053	56C	
	9.9	3.2	961	177.55	3097	1348	CS053	63A4	PS053	56C	
	8.8	2.9	1075	198.45	3097	1348	CS053	63A4	PS053	56C	
	8.0	2.6	1179	217.64	3097	1348	CS053	63A4	PS053	56C	
	6.8	2.2	1388	256.33	3097	1348	CS053	63A4	PS053	56C	
	6.6	3.7	1447	267.16	5309	2158	-	-	PS063	56C	
	5.6	1.8	1702	314.21	3097	1348	CS053	63A4	PS053	56C	
	0.25	203	20.2	75	8.63	1504	689	-	-	PS052	56C
		157	17.5	96	11.14	1681	743	-	-	PS052	56C
		128	15.7	118	13.66	1858	786	-	-	PS052	56C
115		16.1	132	15.27	2124	787	-	-	PS052	56C	
107		15.1	141	16.29	2124	810	-	-	PS052	56C	
94		13.2	161	18.63	2124	861	-	-	PS052	56C	
83		12.7	182	21.04	2300	883	-	-	PS052	56C	
73		11.1	208	24.07	2300	939	-	-	PS052	56C	
68		11.5	223	25.79	2566	929	-	-	PS052	56C	
63		10.7	240	27.81	2566	962	-	-	PS052	56C	
58		9.9	259	30.00	2566	996	-	-	PS052	56C	
54		9.4	281	32.55	2654	1020	-	-	PS052	56C	
48		9.2	317	36.55	2920	1036	-	-	PS052	56C	
44		9.0	345	39.90	3097	1053	-	-	PS052	56C	
41		8.4	368	42.63	3097	1086	-	-	PS052	56C	



Gearmotor Ratings – Motor Speed 1750 RPM **S**

Input Power HP	Output Speed RPM	Service Factor sf	Output Torque in lbs.	Exact Ratio i	Maximum Torque in lbs.	OHL Output Shaft lbs.	Gearmotor		Gear Reducer	
							Reducer	Motor	Reducer	NEMA C-face
0.25	37	7.6	408	47.20	3097	1139	-	-	PS052	56C
	33	6.9	452	52.25	3097	1194	-	-	PS052	56C
	30	6.2	500	57.86	3097	1250	-	-	PS052	56C
	24	4.9	629	72.83	3097	1348	-	-	PS052	56C
	24	4.9	628	74.20	3097	1348	CS053	63B4	PS053	56C
	18	3.8	811	95.84	3097	1348	CS053	63B4	PS053	56C
	15	3.1	994	117.48	3097	1348	CS053	63B4	PS053	56C
	13	2.7	1163	137.45	3097	1348	CS053	63B4	PS053	56C
	9.9	2.1	1502	177.55	3097	1348	CS053	63B4	PS053	56C
	9.5	3.4	1566	185.05	5309	2158	-	-	PS063	56C
	8.8	1.8	1679	198.45	3097	1348	CS053	63B4	PS053	56C
	8.0	1.7	1842	217.64	3097	1348	CS053	63B4	PS053	56C
	8.0	2.9	1843	217.79	5309	2158	-	-	PS063	56C
	6.8	1.4	2169	256.33	3097	1348	CS053	63B4	PS053	56C
	6.6	2.3	2261	267.16	5309	2158	-	-	PS063	56C
	6.0	3.6	2474	292.36	8848	4045	-	-	PS083	56C
	5.6	1.2	2659	314.21	3097	1348	CS053	63B4	PS053	56C
	5.5	3.3	2672	315.73	8848	4045	-	-	PS083	56C
	4.9	2.9	3051	360.58	8848	4045	-	-	PS083	56C
	0.33	203	15.3	98	8.63	1504	689	CS052	71A4	PS052
157		13.2	127	11.14	1681	743	CS052	71A4	PS052	56C
128		11.9	156	13.66	1858	786	CS052	71A4	PS052	56C
115		12.2	174	15.27	2124	787	CS052	71A4	PS052	56C
107		11.4	186	16.29	2124	810	CS052	71A4	PS052	56C
94		10.0	213	18.63	2124	861	CS052	71A4	PS052	56C
83		9.6	240	21.04	2300	883	CS052	71A4	PS052	56C
73		8.4	275	24.07	2300	939	CS052	71A4	PS052	56C
68		8.7	294	25.79	2566	929	CS052	71A4	PS052	56C
63		8.1	317	27.81	2566	962	CS052	71A4	PS052	56C
58		7.5	342	30.00	2566	996	CS052	71A4	PS052	56C
54		7.1	371	32.55	2654	1020	CS052	71A4	PS052	56C
48		7.0	419	36.55	2920	1036	CS052	71A4	PS052	56C
44		6.8	455	39.90	3097	1053	CS052	71A4	PS052	56C
41		6.4	486	42.63	3097	1086	CS052	71A4	PS052	56C
37		5.8	538	47.20	3097	1139	CS052	71A4	PS052	56C
33		5.2	596	52.25	3097	1194	CS052	71A4	PS052	56C
30		4.7	660	57.86	3097	1250	CS052	71A4	PS052	56C
24		3.7	831	72.83	3097	1348	CS052	71A4	PS052	56C
24		3.7	829	74.20	3097	1348	CS053	71A4	PS053	56C
18		2.9	1070	95.84	3097	1348	CS053	71A4	PS053	56C
15		2.4	1312	117.48	3097	1348	CS053	71A4	PS053	56C
14		3.8	1412	126.43	5309	2158	CS063	71A4	PS063	56C
13		2.0	1535	137.45	3097	1348	CS053	71A4	PS053	56C
12		3.2	1685	150.85	5309	2158	CS063	71A4	PS063	56C



S Gearmotor Ratings – Motor Speed 1750 RPM

Input Power HP	Output Speed RPM	Service Factor sf	Output Torque in lbs.	Exact Ratio i	Maximum Torque in lbs.	OHL Output Shaft lbs.	Gearmotor		Gear Reducer		
							Reducer	Motor	Reducer	NEMA C-face	
0.33	9.9	1.6	1983	177.55	3097	1348	CS053	71A4	PS053	56C	
	9.5	2.6	2067	185.05	5309	2158	CS063	71A4	PS063	56C	
	8.8	1.4	2217	198.45	3097	1348	CS053	71A4	PS053	56C	
	8.6	3.9	2269	203.11	8848	4045	CS083	71A4	PS083	56C	
	8.0	1.3	2431	217.64	3097	1348	CS053	71A4	PS053	56C	
	8.0	2.2	2433	217.79	5309	2158	CS063	71A4	PS063	56C	
	7.0	3.2	2798	250.50	8848	4045	CS083	71A4	PS083	56C	
	6.8	1.1	2863	256.33	3097	1348	CS053	71A4	PS053	56C	
	6.6	1.8	2984	267.16	5309	2158	CS063	71A4	PS063	56C	
	6.0	2.7	3265	292.36	8848	4045	CS083	71A4	PS083	56C	
	5.5	2.5	3526	315.73	8848	4045	CS083	71A4	PS083	56C	
	5.1	3.7	3860	345.60	14157	4944	CS103	71A4	PS103	56C	
	4.9	2.2	4027	360.58	8848	4045	CS083	71A4	PS083	56C	
	4.4	3.2	4408	394.69	14157	4944	CS103	71A4	PS103	56C	
	0.5	203	10.1	149	8.63	1504	689	CS052	71B4	PS052	56C
		157	8.7	193	11.14	1681	743	CS052	71B4	PS052	56C
128		7.9	236	13.66	1858	786	CS052	71B4	PS052	56C	
115		8.0	264	15.27	2124	787	CS052	71B4	PS052	56C	
107		7.5	281	16.29	2124	810	CS052	71B4	PS052	56C	
94		6.6	322	18.63	2124	861	CS052	71B4	PS052	56C	
83		6.3	364	21.04	2300	883	CS052	71B4	PS052	56C	
73		5.5	416	24.07	2300	939	CS052	71B4	PS052	56C	
68		5.8	446	25.79	2566	929	CS052	71B4	PS052	56C	
63		5.3	481	27.81	2566	962	CS052	71B4	PS052	56C	
58		4.9	518	30.00	2566	996	CS052	71B4	PS052	56C	
54		4.7	563	32.55	2654	1020	CS052	71B4	PS052	56C	
48		4.6	635	36.55	2920	1036	CS052	71B4	PS052	56C	
44		4.5	690	39.90	3097	1053	CS052	71B4	PS052	56C	
41		4.2	737	42.63	3097	1086	CS052	71B4	PS052	56C	
37		3.8	816	47.20	3097	1139	CS052	71B4	PS052	56C	
33		3.4	903	52.25	3097	1194	CS052	71B4	PS052	56C	
30		3.1	1000	57.86	3097	1250	CS052	71B4	PS052	56C	
24		2.5	1259	72.83	3097	1348	CS052	71B4	PS052	56C	
24		2.5	1256	74.20	3097	1348	CS053	71B4	PS053	56C	
18		1.9	1622	95.84	3097	1348	CS053	71B4	PS053	56C	
18		3.1	1690	99.89	5309	2158	CS063	71B4	PS063	56C	
15		1.6	1988	117.48	3097	1348	CS053	71B4	PS053	56C	
14		2.5	2140	126.43	5309	2158	CS063	71B4	PS063	56C	
13		1.3	2326	137.45	3097	1348	CS053	71B4	PS053	56C	
12		2.1	2553	150.85	5309	2158	CS063	71B4	PS063	56C	
11		3.3	2687	158.76	8848	4045	CS083	71B4	PS083	56C	
9.9		1.0	3005	177.55	3097	1348	CS053	71B4	PS053	56C	
9.5		1.7	3132	185.05	5309	2158	CS063	71B4	PS063	56C	
9.5		2.8	3129	184.88	8848	4045	CS083	71B4	PS083	56C	



Gearmotor Ratings – Motor Speed 1750 RPM **S**

Input Power HP	Output Speed RPM	Service Factor sf	Output Torque in lbs.	Exact Ratio i	Maximum Torque in lbs.	OHL Output Shaft lbs.	Gearmotor		Gear Reducer		
							Reducer	Motor	Reducer	NEMA C-face	
0.5	8.8	1.0	3358	198.45	3097	1348	CS053	71B4	PS053	56C	
	8.6	2.6	3437	203.11	8848	4045	CS083	71B4	PS083	56C	
	8.0	1.4	3686	217.79	5309	2158	CS063	71B4	PS063	56C	
	7.0	2.1	4239	250.50	8848	4045	CS083	71B4	PS083	56C	
	6.6	1.2	4521	267.16	5309	2158	CS063	71B4	PS063	56C	
	6.4	3.1	4640	274.20	14157	4944	CS103	71B4	PS103	56C	
	6.0	1.8	4948	292.36	8848	4045	CS083	71B4	PS083	56C	
	5.5	1.7	5343	315.73	8848	4045	CS083	71B4	PS083	56C	
	5.5	2.6	5429	320.79	14157	4944	CS103	71B4	PS103	56C	
	5.1	2.4	5849	345.60	14157	4944	CS103	71B4	PS103	56C	
	4.9	1.5	6102	360.58	8848	4045	CS083	71B4	PS083	56C	
	4.4	2.1	6679	394.69	14157	4944	CS103	71B4	PS103	56C	
	0.75	203	6.7	224	8.63	1504	689	CS052	80A4	PS052	56C
		157	5.8	289	11.14	1681	743	CS052	80A4	PS052	56C
		128	5.2	354	13.66	1858	786	CS052	80A4	PS052	56C
		115	5.4	396	15.27	2124	787	CS052	80A4	PS052	56C
107		5.0	422	16.29	2124	810	CS052	80A4	PS052	56C	
94		4.4	483	18.63	2124	861	CS052	80A4	PS052	56C	
83		4.2	545	21.04	2300	883	CS052	80A4	PS052	56C	
73		3.7	624	24.07	2300	939	CS052	80A4	PS052	56C	
68		3.8	668	25.79	2566	929	CS052	80A4	PS052	56C	
63		3.6	721	27.81	2566	962	CS052	80A4	PS052	56C	
58		3.3	778	30.00	2566	996	CS052	80A4	PS052	56C	
54		3.1	844	32.55	2654	1020	CS052	80A4	PS052	56C	
48		3.1	952	36.55	2920	1036	CS052	80A4	PS052	56C	
44		3.0	1034	39.90	3097	1053	CS052	80A4	PS052	56C	
41		2.8	1105	42.63	3097	1086	CS052	80A4	PS052	56C	
37		2.5	1224	47.20	3097	1139	CS052	80A4	PS052	56C	
33		2.3	1355	52.25	3097	1194	CS052	80A4	PS052	56C	
33		3.8	1388	53.53	5309	1926	CS062	80A4	PS062	56C	
32		3.7	1426	55.00	5309	1951	CS062	80A4	PS062	56C	
30		2.1	1500	57.86	3097	1250	CS052	80A4	PS052	56C	
26		3.0	1749	67.47	5309	2144	CS062	80A4	PS062	56C	
24		1.6	1888	72.83	3097	1348	CS052	80A4	PS052	56C	
24		1.6	1884	74.20	3097	1348	CS053	80A4	PS053	56C	
21		2.6	2067	81.43	5309	2158	CS063	80A4	PS063	56C	
18		1.3	2433	95.84	3097	1348	CS053	80A4	PS053	56C	
18		2.1	2536	99.89	5309	2158	CS063	80A4	PS063	56C	
15		3.0	2974	117.17	8848	4045	CS083	80A4	PS083	56C	
15		1.0	2982	117.48	3097	1348	CS053	80A4	PS053	56C	
14		1.7	3209	126.43	5309	2158	CS063	80A4	PS063	56C	
14		2.7	3268	128.73	8848	4045	CS083	80A4	PS083	56C	



S Gearmotor Ratings – Motor Speed 1750 RPM

Input Power HP	Output Speed RPM	Service Factor sf	Output Torque in lbs.	Exact Ratio i	Maximum Torque in lbs.	OHL Output Shaft lbs.	Gearmotor		Gear Reducer		
							Reducer	Motor	Reducer	NEMA C-face	
0.75	12	1.4	3829	150.85	5309	2158	CS063	80A4	PS063	56C	
	11	2.2	4030	158.76	8848	4045	CS083	80A4	PS083	56C	
	10	3.2	4411	173.78	14157	4944	CS103	80A4	PS103	56C	
	9.5	1.1	4697	185.05	5309	2158	CS063	80A4	PS063	56C	
	9.5	1.9	4693	184.88	8848	4045	CS083	80A4	PS083	56C	
	8.6	1.7	5156	203.11	8848	4045	CS083	80A4	PS083	56C	
	8.6	2.7	5156	203.11	14157	4944	CS103	80A4	PS103	56C	
	7.9	2.5	5657	222.85	14157	4944	CS103	80A4	PS103	56C	
	7.0	1.4	6359	250.50	8848	4045	CS083	80A4	PS083	56C	
	6.4	2.0	6960	274.20	14157	4944	CS103	80A4	PS103	56C	
	6.0	1.2	7421	292.36	8848	4045	CS083	80A4	PS083	56C	
	5.5	1.1	8015	315.73	8848	4045	CS083	80A4	PS083	56C	
	5.5	1.7	8143	320.79	14157	4944	CS103	80A4	PS103	56C	
	5.1	1.6	8773	345.60	14157	4944	CS103	80A4	PS103	56C	
	4.4	1.4	10019	394.69	14157	4944	CS103	80A4	PS103	56C	
	1.0	203	5.0	298	8.63	1504	689	CS052	80B4	PS052	56C/143/145TC
		157	4.4	385	11.14	1681	743	CS052	80B4	PS052	56C/143/145TC
		128	3.9	472	13.66	1858	786	CS052	80B4	PS052	56C/143/145TC
		115	4.0	528	15.27	2124	787	CS052	80B4	PS052	56C/143/145TC
		107	3.8	563	16.29	2124	810	CS052	80B4	PS052	56C/143/145TC
94		3.3	644	18.63	2124	861	CS052	80B4	PS052	56C/143/145TC	
83		3.2	727	21.04	2300	883	CS052	80B4	PS052	56C/143/145TC	
73		2.8	832	24.07	2300	939	CS052	80B4	PS052	56C/143/145TC	
68		2.9	891	25.79	2566	929	CS052	80B4	PS052	56C/143/145TC	
63		2.7	961	27.81	2566	962	CS052	80B4	PS052	56C/143/145TC	
58		2.5	1037	30.00	2566	996	CS052	80B4	PS052	56C/143/145TC	
54		2.4	1125	32.55	2654	1020	CS052	80B4	PS052	56C/143/145TC	
48		2.3	1270	36.55	2920	1036	CS052	80B4	PS052	56C/143/145TC	
44		2.2	1379	39.90	3097	1053	CS052	80B4	PS052	56C/143/145TC	
44		3.9	1361	39.38	5309	1661	CS062	80B4	PS062	56C/143/145TC	
41		2.1	1473	42.63	3097	1086	CS052	80B4	PS052	56C/143/145TC	
40		3.5	1508	43.64	5309	1747	CS062	80B4	PS062	56C/143/145TC	
38		3.3	1593	46.10	5309	1794	CS062	80B4	PS062	56C/143/145TC	
37		1.9	1632	47.20	3097	1139	CS052	80B4	PS052	56C/143/145TC	
33		1.7	1806	52.25	3097	1194	CS052	80B4	PS052	56C/143/145TC	
33		2.9	1850	53.53	5309	1926	CS062	80B4	PS062	56C/143/145TC	
32		2.8	1901	55.00	5309	1951	CS062	80B4	PS062	56C/143/145TC	
30		1.5	2000	57.86	3097	1250	CS052	80B4	PS052	56C/143/145TC	
26		2.3	2332	67.47	5309	2144	CS062	80B4	PS062	56C/143/145TC	
26		3.9	2285	67.52	8848	4045	CS083	80B4	PS083	56C/143/145TC	
24		1.2	2518	72.83	3097	1348	CS052	80B4	PS052	56C/143/145TC	
24		1.2	2511	74.20	3097	1348	CS053	80B4	PS053	56C/143/145TC	
24		3.5	2511	74.18	8848	4045	CS083	80B4	PS083	56C/143/145TC	
21		1.9	2756	81.43	5309	2158	CS063	80B4	PS063	56C/143/145TC	
19		2.9	3097	91.49	8848	4045	CS083	80B4	PS083	56C/143/145TC	



Gearmotor Ratings – Motor Speed 1750 RPM S

Input Power HP	Output Speed RPM	Service Factor sf	Output Torque in lbs.	Exact Ratio i	Maximum Torque in lbs.	OHL Output Shaft lbs.	Gearmotor		Gear Reducer		
							Reducer	Motor	Reducer	NEMA C-face	
1.0	18	1.0	3244	95.84	3097	1348	CS053	80B4	PS053	56C/143/145TC	
	18	1.6	3381	99.89	5309	2158	CS063	80B4	PS063	56C/143/145TC	
	16	3.8	3742	110.55	14157	4944	CS103	80B4	PS103	56C/143/145TC	
	15	2.2	3966	117.17	8848	4045	CS083	80B4	PS083	56C/143/145TC	
	14	1.2	4279	126.43	5309	2158	CS063	80B4	PS063	56C/143/145TC	
	14	2.0	4357	128.73	8848	4045	CS083	80B4	PS083	56C/143/145TC	
	14	3.2	4357	128.73	14157	4944	CS103	80B4	PS103	56C/143/145TC	
	12	1.0	5106	150.85	5309	2158	CS063	80B4	PS063	56C/143/145TC	
	12	3.0	4780	141.24	14157	4944	CS103	80B4	PS103	56C/143/145TC	
	11	1.6	5373	158.76	8848	4045	CS083	80B4	PS083	56C/143/145TC	
	10	2.4	5882	173.78	14157	4944	CS103	80B4	PS103	56C/143/145TC	
	9.5	1.4	6257	184.88	8848	4045	CS083	80B4	PS083	56C/143/145TC	
	9.0	4.0	6586	194.59	26544	6742	CS123	80B4	PS123	143/145TC	
	8.6	1.3	6874	203.11	8848	4045	CS083	80B4	PS083	56C/143/145TC	
	8.6	2.1	6874	203.11	14157	4944	CS103	80B4	PS103	56C/143/145TC	
	7.9	1.9	7543	222.85	14157	4944	CS103	80B4	PS103	56C/143/145TC	
	7.3	3.3	8087	238.93	26544	6742	CS123	80B4	PS123	143/145TC	
	7.0	1.0	8478	250.50	8848	4045	CS083	80B4	PS083	56C/143/145TC	
	6.4	1.5	9280	274.20	14157	4944	CS103	80B4	PS103	56C/143/145TC	
	6.2	2.8	9480	280.10	26544	6742	CS123	80B4	PS123	143/145TC	
	5.8	2.6	10193	301.16	26544	6742	CS123	80B4	PS123	143/145TC	
	5.5	1.3	10857	320.79	14157	4944	CS103	80B4	PS103	56C/143/145TC	
	5.1	1.2	11697	345.60	14157	4944	CS103	80B4	PS103	56C/143/145TC	
	5.1	2.3	11641	343.93	26544	6742	CS123	80B4	PS123	143/145TC	
	4.4	1.1	13359	394.69	14157	4944	CS103	80B4	PS103	56C/143/145TC	
	1.5	203	3.4	447	8.63	1504	689	CS052	90S4	PS052	56C/143/145TC
		157	2.9	578	11.14	1681	743	CS052	90S4	PS052	56C/143/145TC
		128	2.6	708	13.66	1858	786	CS052	90S4	PS052	56C/143/145TC
115		2.7	792	15.27	2124	787	CS052	90S4	PS052	56C/143/145TC	
107		2.5	844	16.29	2124	810	CS052	90S4	PS052	56C/143/145TC	
94		2.2	966	18.63	2124	861	CS052	90S4	PS052	56C/143/145TC	
83		2.1	1091	21.04	2300	883	CS052	90S4	PS052	56C/143/145TC	
76		3.5	1202	23.18	4159	1441	CS062	90S4	PS062	56C/143/145TC	
73		1.8	1248	24.07	2300	939	CS052	90S4	PS052	56C/143/145TC	
70		3.3	1304	25.14	4247	1484	CS062	90S4	PS062	56C/143/145TC	
68		1.9	1337	25.79	2566	929	CS052	90S4	PS052	56C/143/145TC	
63		1.8	1442	27.81	2566	962	CS052	90S4	PS052	56C/143/145TC	
63		3.0	1434	27.66	4247	1552	CS062	90S4	PS062	56C/143/145TC	
58		1.6	1555	30.00	2566	996	CS052	90S4	PS052	56C/143/145TC	
58		2.8	1555	30.00	4424	1585	CS062	90S4	PS062	56C/143/145TC	
54		1.6	1688	32.55	2654	1020	CS052	90S4	PS052	56C/143/145TC	
52		2.7	1759	33.93	4778	1624	CS062	90S4	PS062	56C/143/145TC	
48		1.5	1904	36.55	2920	1036	CS052	90S4	PS052	56C/143/145TC	
48		2.8	1896	36.57	5309	1602	CS062	90S4	PS062	56C/143/145TC	
44		1.5	2069	39.90	3097	1053	CS052	90S4	PS052	56C/143/145TC	



S Gearmotor Ratings – Motor Speed 1750 RPM

Input Power HP	Output Speed RPM	Service Factor sf	Output Torque in lbs.	Exact Ratio i	Maximum Torque in lbs.	OHL Output Shaft lbs.	Gearmotor Reducer	Motor	Gear Reducer Reducer	NEMA C-face
1.5	44	2.6	2042	39.38	5309	1661	CS062	90S4	PS062	56C/143/145TC
	41	1.4	2210	42.63	3097	1086	CS052	90S4	PS052	56C/143/145TC
	41	4.0	2232	43.05	8848	4045	CS082	90S4	PS082	56C/143/145TC
	40	2.3	2263	43.64	5309	1747	CS062	90S4	PS062	56C/143/145TC
	38	2.2	2390	46.10	5309	1794	CS062	90S4	PS062	56C/143/145TC
	37	1.3	2448	47.20	3097	1139	CS052	90S4	PS052	56C/143/145TC
	35	3.4	2605	50.25	8848	4045	CS082	90S4	PS082	56C/143/145TC
	33	1.1	2709	52.25	3097	1194	CS052	90S4	PS052	56C/143/145TC
	33	1.9	2775	53.53	5309	1926	CS062	90S4	PS062	56C/143/145TC
	32	1.9	2852	55.00	5309	1951	CS062	90S4	PS062	56C/143/145TC
	32	3.1	2814	54.27	8848	4045	CS082	90S4	PS082	56C/143/145TC
	30	1.0	3000	57.86	3097	1250	CS052	90S4	PS052	56C/143/145TC
	28	2.8	3213	61.98	8848	4045	CS082	90S4	PS082	56C/143/145TC
	26	1.5	3498	67.47	5309	2144	CS062	90S4	PS062	56C/143/145TC
	26	2.6	3428	67.52	8848	4045	CS083	90S4	PS083	56C/143/145TC
	24	2.3	3766	74.18	8848	4045	CS083	90S4	PS083	56C/143/145TC
	22	3.4	4132	81.39	14157	4944	CS103	90S4	PS103	56C/143/145TC
	21	1.3	4134	81.43	5309	2158	CS063	90S4	PS063	56C/143/145TC
	19	1.9	4645	91.49	8848	4045	CS083	90S4	PS083	56C/143/145TC
	18	1.0	5071	99.89	5309	2158	CS063	90S4	PS063	56C/143/145TC
	17	2.8	5084	100.15	14157	4944	CS103	90S4	PS103	56C/143/145TC
	16	2.5	5612	110.55	14157	4944	CS103	90S4	PS103	56C/143/145TC
	15	1.5	5949	117.17	8848	4045	CS083	90S4	PS083	56C/143/145TC
	14	1.4	6535	128.73	8848	4045	CS083	90S4	PS083	56C/143/145TC
	14	2.2	6535	128.73	14157	4944	CS103	90S4	PS103	56C/143/145TC
	13	3.9	6792	133.78	26544	6742	CS123	90S4	PS123	143/145TC
	12	2.0	7171	141.24	14157	4944	CS103	90S4	PS103	56C/143/145TC
	12	3.5	7688	151.43	26544	6742	CS123	90S4	PS123	143/145TC
	11	1.1	8060	158.76	8848	4045	CS083	90S4	PS083	56C/143/145TC
	10	1.6	8823	173.78	14157	4944	CS103	90S4	PS103	56C/143/145TC
	9.9	2.9	9013	177.53	26544	6742	CS123	90S4	PS123	143/145TC
	9.0	2.7	9879	194.59	26544	6742	CS123	90S4	PS123	143/145TC
8.6	1.4	10312	203.11	14157	4944	CS103	90S4	PS103	56C/143/145TC	
7.9	1.3	11314	222.85	14157	4944	CS103	90S4	PS103	56C/143/145TC	
7.3	2.2	12130	238.93	26544	6742	CS123	90S4	PS123	143/145TC	
6.4	1.0	13921	274.20	14157	4944	CS103	90S4	PS103	56C/143/145TC	
6.2	1.9	14220	280.10	26544	6742	CS123	90S4	PS123	143/145TC	
5.8	1.7	15289	301.16	26544	6742	CS123	90S4	PS123	143/145TC	
5.1	1.5	17461	343.93	26544	6742	CS123	90S4	PS123	143/145TC	
2.0	203	2.5	596	8.63	1504	689	CS052	90L4	PS052	143/145TC
	157	2.2	770	11.14	1681	743	CS052	90L4	PS052	143/145TC
	128	2.0	944	13.66	1858	786	CS052	90L4	PS052	143/145TC
	115	2.0	1056	15.27	2124	787	CS052	90L4	PS052	143/145TC
	107	1.9	1126	16.29	2124	810	CS052	90L4	PS052	143/145TC



Gearmotor Ratings – Motor Speed 1750 RPM S

Input Power HP	Output Speed RPM	Service Factor sf	Output Torque in lbs.	Exact Ratio i	Maximum Torque in lbs.	OHL Output Shaft lbs.	Gearmotor Reducer	Motor	Gear Reducer	Reducer NEMA C-face
2.0	94	1.6	1288	18.63	2124	861	CS052	90L4	PS052	143/145TC
	90	3.0	1352	19.55	4070	1341	CS062	90L4	PS062	143/145TC
	83	1.6	1454	21.04	2300	883	CS052	90L4	PS052	143/145TC
	76	2.6	1602	23.18	4159	1441	CS062	90L4	PS062	143/145TC
	73	1.4	1664	24.07	2300	939	CS052	90L4	PS052	143/145TC
	70	2.4	1738	25.14	4247	1484	CS062	90L4	PS062	143/145TC
	68	1.4	1783	25.79	2566	929	CS052	90L4	PS052	143/145TC
	63	1.3	1922	27.81	2566	962	CS052	90L4	PS052	143/145TC
	63	2.2	1912	27.66	4247	1552	CS062	90L4	PS062	143/145TC
	61	4.0	1982	28.67	7963	3865	CS082	90L4	PS082	143/145TC
	58	1.2	2074	30.00	2566	996	CS052	90L4	PS052	143/145TC
	58	2.1	2074	30.00	4424	1585	CS062	90L4	PS062	143/145TC
	55	4.0	2197	31.78	8848	3947	CS082	90L4	PS082	143/145TC
	54	1.2	2250	32.55	2654	1020	CS052	90L4	PS052	143/145TC
	52	2.0	2345	33.93	4778	1624	CS062	90L4	PS062	143/145TC
	50	3.7	2413	34.91	8848	4045	CS082	90L4	PS082	143/145TC
	48	1.2	2539	36.55	2920	1036	CS052	90L4	PS052	143/145TC
	48	2.1	2528	36.57	5309	1602	CS062	90L4	PS062	143/145TC
	44	1.1	2758	39.90	3097	1053	CS052	90L4	PS052	143/145TC
	44	2.0	2722	39.38	5309	1661	CS062	90L4	PS062	143/145TC
	44	3.2	2769	40.05	8848	4045	CS082	90L4	PS082	143/145TC
	41	1.1	2947	42.63	3097	1086	CS052	90L4	PS052	143/145TC
	41	3.0	2976	43.05	8848	4045	CS082	90L4	PS082	143/145TC
	40	1.8	3017	43.64	5309	1747	CS062	90L4	PS062	143/145TC
	38	1.7	3187	46.10	5309	1794	CS062	90L4	PS062	143/145TC
	35	2.5	3474	50.25	8848	4045	CS082	90L4	PS082	143/145TC
	33	1.4	3700	53.53	5309	1926	CS062	90L4	PS062	143/145TC
	32	1.4	3802	55.00	5309	1951	CS062	90L4	PS062	143/145TC
	32	2.4	3752	54.27	8848	4045	CS082	90L4	PS082	143/145TC
	32	3.0	3812	55.14	11502	4944	CS102	90L4	PS102	143/145TC
	29	3.4	4106	59.40	14157	4944	CS102	90L4	PS102	143/145TC
	28	2.1	4284	61.98	8848	4045	CS082	90L4	PS082	143/145TC
	26	1.1	4664	67.47	5309	2144	CS062	90L4	PS062	143/145TC
	26	1.9	4571	67.52	8848	4045	CS083	90L4	PS083	143/145TC
	26	3.0	4690	67.84	14157	4944	CS102	90L4	PS102	143/145TC
	24	1.8	5021	74.18	8848	4045	CS083	90L4	PS083	143/145TC
	24	2.8	5021	74.18	14157	4944	CS103	90L4	PS103	143/145TC
	22	2.6	5510	81.39	14157	4944	CS103	90L4	PS103	143/145TC
	21	1.0	5512	81.43	5309	2158	CS063	90S4	PS063	143/145TC
	19	1.4	6193	91.49	8848	4045	CS083	90L4	PS083	143/145TC
17	2.1	6779	100.15	14157	4944	CS103	90L4	PS103	143/145TC	
16	1.9	7483	110.55	14157	4944	CS103	90L4	PS103	143/145TC	
16	3.5	7616	112.52	26544	6742	CS123	90L4	PS123	143/145TC	
15	1.1	7932	117.17	8848	4045	CS083	90L4	PS083	143/145TC	
14	1.0	8714	128.73	8848	4045	CS083	90L4	PS083	143/145TC	



S Gearmotor Ratings – Motor Speed 1750 RPM

Input Power HP	Output Speed RPM	Service Factor sf	Output Torque in lbs.	Exact Ratio i	Maximum Torque in lbs.	OHL Output Shaft lbs.	Gearmotor		Gear Reducer		
							Reducer	Motor	Reducer	NEMA C-face	
2.0	14	1.6	8714	128.73	14157	4944	CS103	90L4	PS103	143/145TC	
	14	3.2	8348	123.33	26544	6742	CS123	90L4	PS123	143/145TC	
	13	2.9	9056	133.78	26544	6742	CS123	90L4	PS123	143/145TC	
	12	1.5	9561	141.24	14157	4944	CS103	90L4	PS103	143/145TC	
	12	2.6	10251	151.43	26544	6742	CS123	90L4	PS123	143/145TC	
	10	1.2	11764	173.78	14157	4944	CS103	90L4	PS103	143/145TC	
	9.9	2.2	12017	177.53	26544	6742	CS123	90L4	PS123	143/145TC	
	9.0	2.0	13172	194.59	26544	6742	CS123	90L4	PS123	143/145TC	
	8.6	1.0	13749	203.11	14157	4944	CS103	90L4	PS103	143/145TC	
	7.3	1.6	16174	238.93	26544	6742	CS123	90L4	PS123	143/145TC	
	6.2	1.4	18960	280.10	26544	6742	CS123	90L4	PS123	143/145TC	
	5.8	1.3	20386	301.16	26544	6742	CS123	90L4	PS123	143/145TC	
	5.1	1.1	23281	343.93	26544	6742	CS123	90L4	PS123	143/145TC	
	3.0	219	3.5	830	8.00	2920	1016	CS062	100LA4	PS062	182/184TC
		203	1.7	894	8.63	1504	689	CS052	100LA4	PS052	182/184TC
183		3.2	990	9.55	3185	1063	CS062	100LA4	PS062	182/184TC	
157		1.5	1155	11.14	1681	743	CS052	100LA4	PS052	182/184TC	
149		2.8	1214	11.71	3451	1130	CS062	100LA4	PS062	182/184TC	
131		2.7	1385	13.36	3716	1163	CS062	100LA4	PS062	182/184TC	
128		1.3	1416	13.66	1858	786	CS052	100LA4	PS052	182/184TC	
115		1.3	1584	15.27	2124	787	CS052	100LA4	PS052	182/184TC	
110		2.4	1653	15.94	3982	1226	CS062	100LA4	PS062	182/184TC	
107		1.3	1689	16.29	2124	810	CS052	100LA4	PS052	182/184TC	
101		3.8	1793	17.29	6813	3265	CS082	100LA4	PS082	182/184TC	
94		1.1	1932	18.63	2124	861	CS052	100LA4	PS052	182/184TC	
90		2.0	2027	19.55	4070	1341	CS062	100LA4	PS062	182/184TC	
87		3.3	2088	20.14	6813	3463	CS082	100LA4	PS082	182/184TC	
83		1.1	2181	21.04	2300	883	CS052	100LA4	PS052	182/184TC	
79		3.1	2294	22.13	7078	3567	CS082	100LA4	PS082	182/184TC	
76		1.7	2404	23.18	4159	1441	CS062	100LA4	PS062	182/184TC	
73		2.8	2489	24.00	7078	3681	CS082	100LA4	PS082	182/184TC	
70		1.6	2607	25.14	4247	1484	CS062	100LA4	PS062	182/184TC	
64		2.8	2830	27.29	7963	3792	CS082	100LA4	PS082	182/184TC	
63		1.5	2868	27.66	4247	1552	CS062	100LA4	PS062	182/184TC	
61		2.7	2973	28.67	7963	3865	CS082	100LA4	PS082	182/184TC	
58		1.4	3111	30.00	4424	1585	CS062	100LA4	PS062	182/184TC	
55		2.7	3295	31.78	8848	3947	CS082	100LA4	PS082	182/184TC	
52		1.4	3518	33.93	4778	1624	CS062	100LA4	PS062	182/184TC	
50		2.4	3620	34.91	8848	4045	CS082	100LA4	PS082	182/184TC	
50		3.4	3620	34.91	12387	4944	CS102	100LA4	PS102	182/184TC	
48		1.4	3792	36.57	5309	1602	CS062	100LA4	PS062	182/184TC	
46		3.3	3972	38.30	13272	4944	CS102	100LA4	PS102	182/184TC	
44		1.3	4083	39.38	5309	1661	CS062	100LA4	PS062	182/184TC	



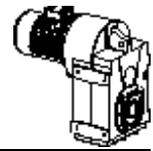
Gearmotor Ratings – Motor Speed 1750 RPM **S**

Input Power HP	Output Speed RPM	Service Factor sf	Output Torque in lbs.	Exact Ratio i	Maximum Torque in lbs.	OHL Output Shaft lbs.	Gearmotor		Gear Reducer		
							Reducer	Motor	Reducer	NEMA C-face	
3.0	44	2.1	4153	40.05	8848	4045	CS082	100LA4	PS082	182/184TC	
	41	2.0	4465	43.05	8848	4045	CS082	100LA4	PS082	182/184TC	
	40	1.2	4525	43.64	5309	1747	CS062	100LA4	PS062	182/184TC	
	40	2.5	4563	44.00	11502	4944	CS102	100LA4	PS102	182/184TC	
	37	2.9	4887	47.13	14157	4944	CS102	100LA4	PS102	182/184TC	
	35	1.7	5211	50.25	8848	4045	CS082	100LA4	PS082	182/184TC	
	32	1.6	5627	54.27	8848	4045	CS082	100LA4	PS082	182/184TC	
	32	2.0	5717	55.14	11502	4944	CS102	100LA4	PS102	182/184TC	
	29	2.3	6160	59.40	14157	4944	CS102	100LA4	PS102	182/184TC	
	28	1.4	6427	61.98	8848	4045	CS082	100LA4	PS082	182/184TC	
	26	1.3	6856	67.52	8848	4045	CS083	100LA4	PS083	182/184TC	
	26	2.0	7035	67.84	14157	4944	CS102	100LA4	PS102	182/184TC	
	25	3.3	7216	71.07	23890	6742	CS123	100LA4	PS123	182/184TC	
	24	1.2	7532	74.18	8848	4045	CS083	100LA4	PS083	182/184TC	
	24	1.9	7532	74.18	14157	4944	CS103	100LA4	PS103	182/184TC	
	22	1.7	8265	81.39	14157	4944	CS103	100LA4	PS103	182/184TC	
	20	3.0	8861	87.27	26544	6742	CS123	100LA4	PS123	182/184TC	
	17	1.4	10169	100.15	14157	4944	CS103	100LA4	PS103	182/184TC	
	16	1.3	11225	110.55	14157	4944	CS103	100LA4	PS103	182/184TC	
	16	2.3	11425	112.52	26544	6742	CS123	100LA4	PS123	182/184TC	
	14	1.1	13071	128.73	14157	4944	CS103	100LA4	PS103	182/184TC	
	14	2.1	12522	123.33	26544	6742	CS123	100LA4	PS123	182/184TC	
	13	2.0	13583	133.78	26544	6742	CS123	100LA4	PS123	182/184TC	
	12	1.0	14341	141.24	14157	4944	CS103	100LA4	PS103	182/184TC	
	12	1.7	15376	151.43	26544	6742	CS123	100LA4	PS123	182/184TC	
	9.9	1.5	18026	177.53	26544	6742	CS123	100LA4	PS123	182/184TC	
	9.0	1.3	19758	194.59	26544	6742	CS123	100LA4	PS123	182/184TC	
	7.3	1.1	24261	238.93	26544	6742	CS123	100LA4	PS123	182/184TC	
	5.0	238	3.8	1268	7.34	4866	2483	CS082	112M4	PS082	182/184TC
		219	2.1	1383	8.00	2920	1016	CS062	112M4	PS062	182/184TC
		217	3.8	1393	8.06	5309	2537	CS082	112M4	PS082	182/184TC
		203	1.0	1491	8.63	1504	689	CS052	112M4	PS052	182/184TC
183		1.9	1650	9.55	3185	1063	CS062	112M4	PS062	182/184TC	
176		3.3	1719	9.94	5751	2714	CS082	112M4	PS082	182/184TC	
151		3.1	2006	11.61	6194	2844	CS082	112M4	PS082	182/184TC	
149		1.7	2024	11.71	3451	1130	CS062	112M4	PS062	182/184TC	
137		3.0	2204	12.75	6636	2913	CS082	112M4	PS082	182/184TC	
131		1.6	2309	13.36	3716	1163	CS062	112M4	PS062	182/184TC	
111		2.5	2718	15.73	6813	3146	CS082	112M4	PS082	182/184TC	
110		1.4	2754	15.94	3982	1226	CS062	112M4	PS062	182/184TC	
102		3.9	2975	17.21	11502	3899	CS102	112M4	-	-	
101		2.3	2989	17.29	6813	3265	CS082	112M4	PS082	182/184TC	
92		3.8	3284	19.00	12387	3995	CS102	112M4	PS102	182/184TC	



S Gearmotor Ratings – Motor Speed 1750 RPM

Input Power HP	Output Speed RPM	Service Factor sf	Output Torque in lbs.	Exact Ratio i	Maximum Torque in lbs.	OHL Output Shaft lbs.	Gearmotor		Gear Reducer	
							Reducer	Motor	Reducer	NEMA C-face
5.0	90	1.2	3379	19.55	4070	1341	CS062	112M4	PS062	182/184TC
	87	2.0	3481	20.14	6813	3463	CS082	112M4	PS082	182/184TC
	79	1.9	3824	22.13	7078	3567	CS082	112M4	PS082	182/184TC
	79	3.2	3824	22.13	12387	4243	CS102	112M4	PS102	182/184TC
	76	1.0	4006	23.18	4159	1441	CS062	112M4	PS062	182/184TC
	73	1.7	4148	24.00	7078	3681	CS082	112M4	PS082	182/184TC
	72	3.2	4196	24.28	13272	4342	CS102	112M4	PS102	182/184TC
	70	1.0	4345	25.14	4247	1484	CS062	112M4	PS062	182/184TC
	66	2.9	4551	26.33	13272	4484	CS102	112M4	PS102	182/184TC
	64	1.7	4716	27.29	7963	3792	CS082	112M4	PS082	182/184TC
	61	1.6	4956	28.67	7963	3865	CS082	112M4	PS082	182/184TC
	59	2.6	5162	29.87	13272	4712	CS102	112M4	PS102	182/184TC
	55	1.6	5492	31.78	8848	3947	CS082	112M4	PS082	182/184TC
	54	2.4	5600	32.40	13272	4864	CS102	112M4	PS102	182/184TC
	50	1.5	6033	34.91	8848	4045	CS082	112M4	PS082	182/184TC
	50	2.1	6033	34.91	12387	4944	CS102	112M4	PS102	182/184TC
	46	2.0	6620	38.30	13272	4944	CS102	112M4	PS102	182/184TC
	44	1.3	6922	40.05	8848	4045	CS082	112M4	PS082	182/184TC
	43	3.7	7098	41.07	26544	6324	CS122	112M4	PS122	182/184TC
	41	1.2	7441	43.05	8848	4045	CS082	112M4	PS082	182/184TC
	40	1.5	7605	44.00	11502	4944	CS102	112M4	PS102	182/184TC
	40	3.5	7535	43.60	26544	6501	CS122	112M4	PS122	182/184TC
	37	1.7	8145	47.13	14157	4944	CS102	112M4	PS102	182/184TC
	36	2.5	8475	49.04	21235	6742	CS122	112M4	PS122	182/184TC
	35	1.0	8685	50.25	8848	4045	CS082	112M4	PS082	182/184TC
	33	2.5	9290	53.75	23005	6742	CS122	112M4	PS122	182/184TC
	32	1.2	9529	55.14	11502	4944	CS102	112M4	PS102	182/184TC
	29	1.4	10266	59.40	14157	4944	CS102	112M4	PS102	182/184TC
	27	2.3	11407	66.00	26544	6742	CS122	112M4	PS122	182/184TC
	26	1.2	11724	67.84	14157	4944	CS102	112M4	PS102	182/184TC
	25	2.0	12027	71.07	23890	6742	CS123	112M4	PS123	182/184TC
	24	1.1	12554	74.18	14157	4944	CS103	112M4	PS103	182/184TC
22	1.0	13774	81.39	14157	4944	CS103	112M4	PS103	182/184TC	
20	1.8	14768	87.27	26544	6742	CS123	112M4	PS123	182/184TC	
16	1.4	19041	112.52	26544	6742	CS123	112M4	PS123	182/184TC	
14	1.3	20870	123.33	26544	6742	CS123	112M4	PS123	182/184TC	
13	1.2	22639	133.78	26544	6742	CS123	112M4	PS123	182/184TC	
12	1.0	25627	151.43	26544	6742	CS123	112M4	PS123	182/184TC	
7.5	238	2.6	1903	7.34	4866	2483	CS082	132S4	PS082	213/215TC
	217	3.6	2090	8.06	7521	3131	CS102	132S4	PS102	213/215TC
	217	2.5	2090	8.06	5309	2537	CS082	132S4	PS082	213/215TC
	198	3.5	2293	8.85	7963	3214	CS102	132S4	PS102	213/215TC
	176	2.2	2578	9.94	5751	2714	CS082	132S4	PS082	213/215TC



Gearmotor Ratings – Motor Speed 1750 RPM S

Input Power HP	Output Speed RPM	Service Factor sf	Output Torque in lbs.	Exact Ratio i	Maximum Torque in lbs.	OHL Output Shaft lbs.	Gearmotor		Gear Reducer	
							Reducer	Motor	Reducer	NEMA C-face
7.5	161	3.0	2822	10.88	8406	3450	CS102	132S4	PS102	213/215TC
	151	2.1	3009	11.61	6194	2844	CS082	132S4	PS082	213/215TC
	137	2.0	3305	12.75	6636	2913	CS082	132S4	PS082	213/215TC
	137	2.7	3305	12.75	8848	3635	CS102	132S4	PS102	213/215TC
	125	2.9	3627	13.99	10618	3650	CS102	132S4	PS102	213/215TC
	111	1.7	4077	15.73	6813	3146	CS082	132S4	PS082	213/215TC
	102	2.6	4462	17.21	11502	3899	CS102	132S4	PS102	213/215TC
	101	1.5	4484	17.29	6813	3265	CS082	132S4	-	-
	92	2.5	4926	19.00	12387	3995	CS102	132S4	PS102	213/215TC
	87	1.3	5221	20.14	6813	3463	CS082	132S4	-	-
	79	1.2	5736	22.13	7078	3567	CS082	132S4	-	-
	79	2.2	5736	22.13	12387	4243	CS102	132S4	PS102	213/215TC
	73	1.1	6222	24.00	7078	3681	CS082	132S4	-	-
	72	2.1	6293	24.28	13272	4342	CS102	132S4	PS102	213/215TC
	67	3.9	6780	26.15	26544	5096	CS122	132S4	PS122	213/215TC
	66	1.9	6827	26.33	13272	4484	CS102	132S4	PS102	213/215TC
	64	1.1	7074	27.29	7963	3792	CS082	132S4	-	-
	61	1.1	7433	28.67	7963	3865	CS082	132S4	-	-
	61	3.6	7414	28.60	26544	5325	CS122	132S4	PS122	213/215TC
	59	1.7	7743	29.87	13272	4712	CS102	132S4	PS102	213/215TC
	57	3.4	7910	30.51	26544	5495	CS122	132S4	PS122	213/215TC
	55	1.1	8238	31.78	8848	3947	CS082	132S4	-	-
	54	1.6	8400	32.40	13272	4864	CS102	132S4	PS102	213/215TC
	52	3.1	8670	33.44	26544	5743	CS122	132S4	PS122	213/215TC
	50	1.4	9050	34.91	12387	4944	CS102	132S4	PS102	213/215TC
	50	2.9	9125	35.20	26544	5884	CS122	132S4	PS122	213/215TC
	46	1.3	9930	38.30	13272	4944	CS102	132S4	PS102	213/215TC
	43	2.5	10646	41.07	26544	6324	CS122	132S4	PS122	213/215TC
	40	2.3	11302	43.60	26544	6501	CS122	132S4	PS122	213/215TC
	37	1.2	12218	47.13	14157	4944	CS102	132S4	PS102	213/215TC
	36	1.7	12713	49.04	21235	6742	CS122	132S4	PS122	213/215TC
	33	1.7	13934	53.75	23005	6742	CS122	132S4	PS122	213/215TC
27	1.6	17110	66.00	26544	6742	CS122	132S4	PS122	213/215TC	
25	1.3	18041	71.07	23890	6742	CS123	132S4	PS123	213/215TC	
20	1.2	22152	87.27	26544	6742	CS123	132S4	PS123	213/215TC	
10	238	1.9	2537	7.34	4866	2483	CS082	132L4	PS082	213/215TC
	217	2.7	2787	8.06	7521	3131	CS102	132L4	PS102	213/215TC
	217	1.9	2787	8.06	5309	2537	CS082	132L4	PS082	213/215TC
	198	2.6	3058	8.85	7963	3214	CS102	132L4	PS102	213/215TC
	176	1.7	3437	9.94	5751	2714	CS082	132L4	PS082	213/215TC
	161	2.2	3762	10.88	8406	3450	CS102	132L4	PS102	213/215TC
	151	1.5	4012	11.61	6194	2844	CS082	132L4	PS082	213/215TC
	137	2.0	4407	12.75	8848	3635	CS102	132L4	PS102	213/215TC
	137	1.5	4407	12.75	6636	2913	CS082	132L4	PS082	213/215TC
	125	2.2	4836	13.99	10618	3650	CS102	132L4	PS102	213/215TC



S Gearmotor Ratings – Motor Speed 1750 RPM

Input Power HP	Output Speed RPM	Service Factor sf	Output Torque in lbs.	Exact Ratio i	Maximum Torque in lbs.	OHL Output Shaft lbs.	Gearmotor		Gear Reducer		
							Reducer	Motor	Reducer	NEMA C-face	
10	111	1.3	5436	15.73	6813	3146	CS082	132L4	PS082	213/215TC	
	102	1.9	5950	17.21	11502	3899	CS102	132L4	PS102	213/215TC	
	101	1.1	5978	17.29	6813	3265	CS082	132L4	-	-	
	92	1.9	6568	19.00	12387	3995	CS102	132L4	PS102	213/215TC	
	82	3.4	7345	21.25	24775	4760	CS122	132L4	PS122	213/215TC	
	79	1.6	7648	22.13	12387	4243	CS102	132L4	PS102	213/215TC	
	75	3.2	8051	23.29	25659	4894	CS122	132L4	PS122	213/215TC	
	72	1.6	8391	24.28	13272	4342	CS102	132L4	PS102	213/215TC	
	67	2.9	9040	26.15	26544	5096	CS122	132L4	PS122	213/215TC	
	66	1.5	9102	26.33	13272	4484	CS102	132L4	PS102	213/215TC	
	61	2.7	9886	28.60	26544	5325	CS122	132L4	PS122	213/215TC	
	59	1.3	10324	29.87	13272	4712	CS102	132L4	PS102	213/215TC	
	57	2.5	10547	30.51	26544	5495	CS122	132L4	PS122	213/215TC	
	54	1.2	11199	32.40	13272	4864	CS102	132L4	PS102	213/215TC	
	52	2.3	11560	33.44	26544	5743	CS122	132L4	PS122	213/215TC	
	50	1.0	12067	34.91	12387	4944	CS102	132L4	PS102	213/215TC	
	50	2.2	12167	35.20	26544	5884	CS122	132L4	PS122	213/215TC	
	46	1.0	13240	38.30	13272	4944	CS102	132L4	PS102	213/215TC	
	43	1.9	14195	41.07	26544	6324	CS122	132L4	PS122	213/215TC	
	40	1.8	15070	43.60	26544	6501	CS122	132L4	PS122	213/215TC	
	36	1.3	16951	49.04	21235	6742	CS122	132L4	PS122	213/215TC	
	33	1.2	18579	53.75	23005	6742	CS122	132L4	PS122	213/215TC	
	27	1.2	22814	66.00	26544	6742	CS122	132L4	PS122	213/215TC	
	25	1.0	24054	71.07	23890	6742	CS123	132L4	PS123	213/215TC	
	15	217	1.8	4180	8.06	7521	3131	-	-	PS102	254/256TC
		206	3.0	4398	8.48	13272	3999	-	-	PS122	254/256TC
		198	1.7	4587	8.85	7963	3214	-	-	PS102	254/256TC
188		3.1	4821	9.30	15042	3991	-	-	PS122	254/256TC	
161		1.5	5643	10.88	8406	3450	-	-	PS102	254/256TC	
153		2.8	5919	11.42	16811	4201	-	-	PS122	254/256TC	
139		3.0	6546	12.63	19466	4143	-	-	PS122	254/256TC	
137		1.3	6611	12.75	8848	3635	-	-	PS102	254/256TC	
126		3.0	7175	13.84	21235	4157	-	-	PS122	254/256TC	
125		1.5	7253	13.99	10618	3650	-	-	PS102	254/256TC	
103		2.6	8811	16.99	23005	4422	-	-	PS122	254/256TC	
102		1.3	8925	17.21	11502	3899	-	-	PS102	254/256TC	
92		1.3	9851	19.00	12387	3995	-	-	PS102	254/256TC	
82		2.2	11018	21.25	24775	4760	-	-	PS122	254/256TC	
79		1.1	11472	22.13	12387	4243	-	-	PS102	254/256TC	
75		2.1	12076	23.29	25659	4894	-	-	PS122	254/256TC	
72		1.1	12587	24.28	13272	4342	-	-	PS102	254/256TC	
67		2.0	13561	26.15	26544	5096	-	-	PS122	254/256TC	
61		1.8	14829	28.60	26544	5325	-	-	PS122	254/256TC	
57		1.7	15821	30.51	26544	5495	-	-	PS122	254/256TC	
52		1.5	17341	33.44	26544	5743	-	-	PS122	254/256TC	
50		1.5	18251	35.20	26544	5884	-	-	PS122	254/256TC	

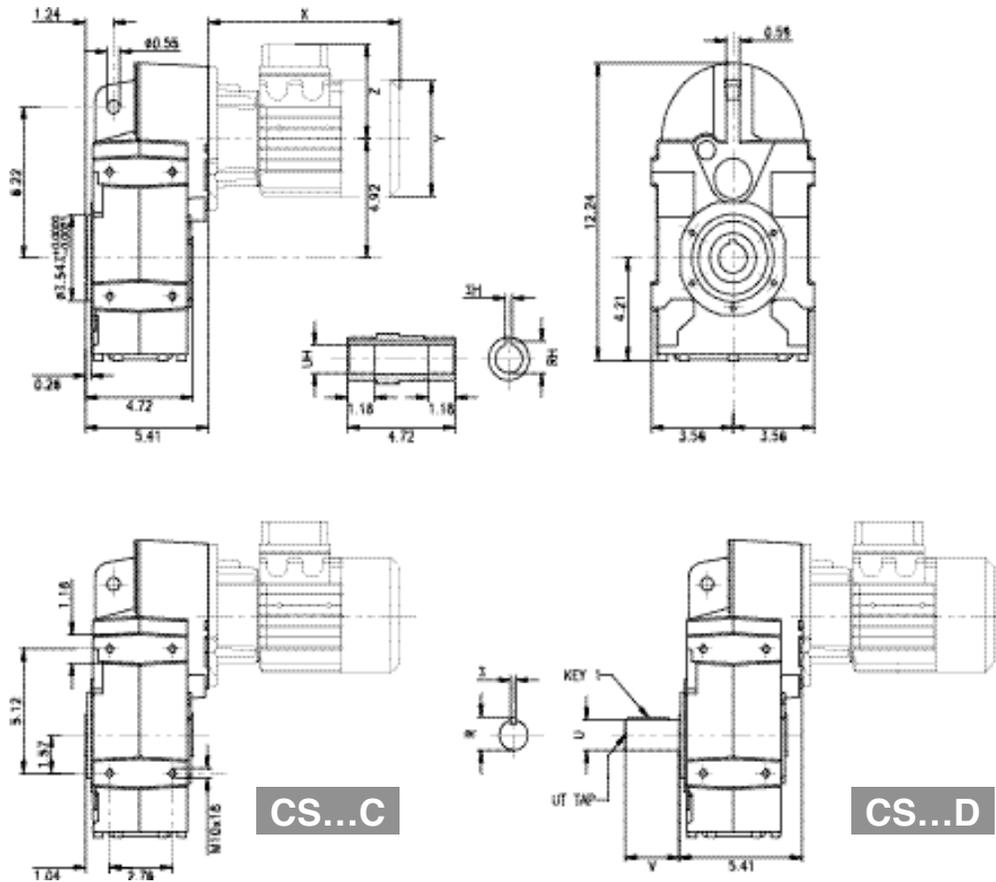


Gearmotor Ratings – Motor Speed 1750 RPM **S**

Input Power HP	Output Speed RPM	Service Factor sf	Output Torque in lbs.	Exact Ratio i	Maximum Torque in lbs.	OHL Output Shaft lbs.	Gearmotor Reducer	Motor	Gear Reducer	Reducer NEMA C-face
15	43	1.2	21293	41.07	26544	6324	-	-	PS122	254/256TC
	40	1.2	22605	43.60	26544	6501	-	-	PS122	254/256TC
20	217	1.3	5574	8.06	7521	3131	-	-	PS102	254/256TC
	206	2.3	5864	8.48	13272	3999	-	-	PS122	254/256TC
	198	1.3	6116	8.85	7963	3214	-	-	PS102	254/256TC
	188	2.3	6427	9.30	15042	3991	-	-	PS122	254/256TC
	161	1.1	7525	10.88	8406	3450	-	-	PS102	254/256TC
	153	2.1	7892	11.42	16811	4201	-	-	PS122	254/256TC
	139	2.2	8729	12.63	19466	4143	-	-	PS122	254/256TC
	137	1.0	8814	12.75	8848	3635	-	-	PS102	254/256TC
	126	2.2	9567	13.84	21235	4157	-	-	PS122	254/256TC
	125	1.1	9671	13.99	10618	3650	-	-	PS102	254/256TC
	103	2.0	11748	16.99	23005	4422	-	-	PS122	254/256TC
	82	1.7	14691	21.25	24775	4760	-	-	PS122	254/256TC
	75	1.6	16102	23.29	25659	4894	-	-	PS122	254/256TC
	67	1.5	18081	26.15	26544	5096	-	-	PS122	254/256TC
	61	1.3	19772	28.60	26544	5325	-	-	PS122	254/256TC
	57	1.3	21094	30.51	26544	5495	-	-	PS122	254/256TC
	52	1.1	23121	33.44	26544	5743	-	-	PS122	254/256TC
50	1.1	24334	35.20	26544	5884	-	-	PS122	254/256TC	
25	206	1.8	7330	8.48	13272	3999	-	-	PS122	284/286TC
	188	1.9	8034	9.30	15042	3991	-	-	PS122	284/286TC
	153	1.7	9865	11.42	16811	4201	-	-	PS122	284/286TC
	139	1.8	10911	12.63	19466	4143	-	-	PS122	284/286TC
	126	1.8	11959	13.84	21235	4157	-	-	PS122	284/286TC
	103	1.6	14685	16.99	23005	4422	-	-	PS122	284/286TC
	82	1.3	18363	21.25	24775	4760	-	-	PS122	284/286TC
	75	1.3	20127	23.29	25659	4894	-	-	PS122	284/286TC
	67	1.2	22601	26.15	26544	5096	-	-	PS122	284/286TC
	61	1.1	24715	28.60	26544	5325	-	-	PS122	284/286TC
	57	1.0	26368	30.51	26544	5495	-	-	PS122	284/286TC
30	206	1.5	8796	8.48	13272	3999	-	-	PS122	284/286TC
	188	1.6	9641	9.30	15042	3991	-	-	PS122	284/286TC
	153	1.4	11838	11.42	16811	4201	-	-	PS122	284/286TC
	139	1.5	13093	12.63	19466	4143	-	-	PS122	284/286TC
	126	1.5	14351	13.84	21235	4157	-	-	PS122	284/286TC
	103	1.3	17622	16.99	23005	4422	-	-	PS122	284/286TC
	82	1.1	22036	21.25	24775	4760	-	-	PS122	284/286TC
	75	1.1	24153	23.29	25659	4894	-	-	PS122	284/286TC
	40	206	1.1	11728	8.48	13272	3999	-	-	PS122
188		1.2	12855	9.30	15042	3991	-	-	PS122	324/326TC
153		1.1	15785	11.42	16811	4201	-	-	PS122	324/326TC
139		1.1	17457	12.63	19466	4143	-	-	PS122	324/326TC
126		1.1	19134	13.84	21235	4157	-	-	PS122	324/326TC



052/3 | S Dimensions

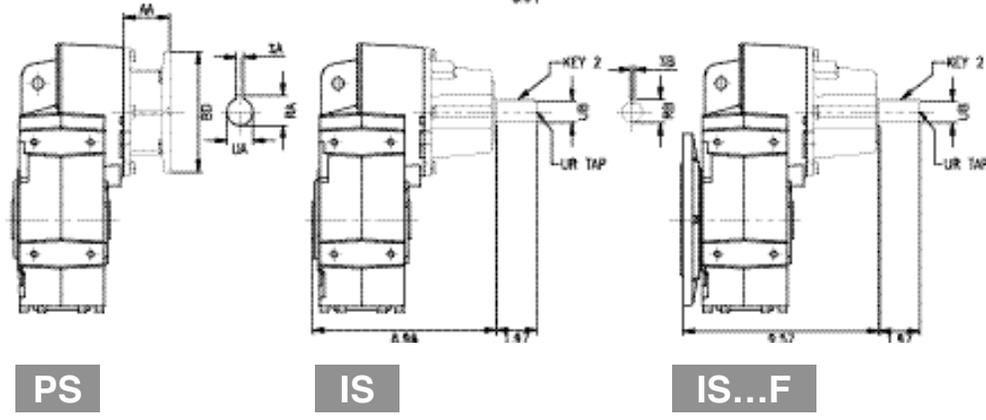
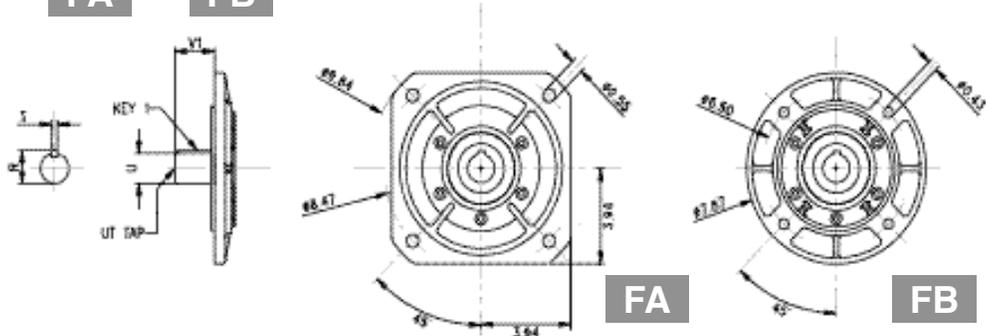
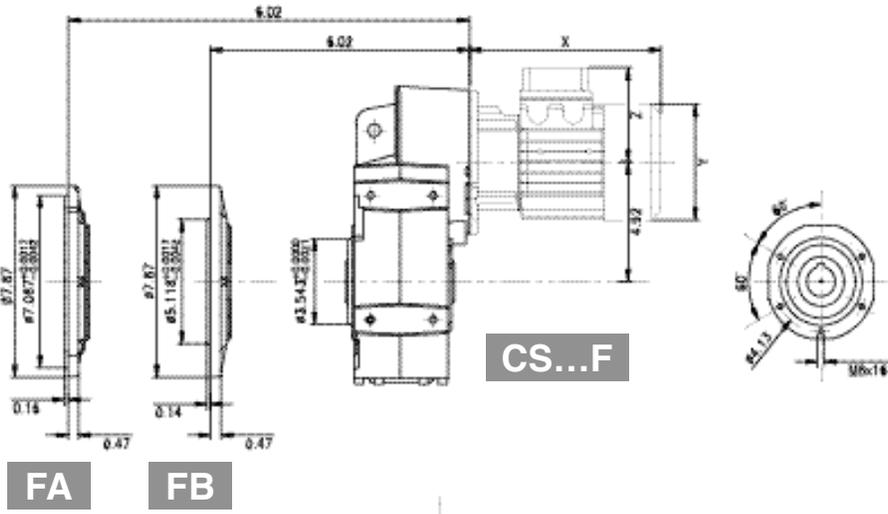


U	V	R	S	UT TAP	KEY 1	UH	RH	SH
1.250 +0.0000 -0.0005	2.36	1.36	0.2500	1/2-13	1/4x1/4x1-7/8	1.250 +0.0010 -0.0000	1.37	0.2500
30mm +0.008mm -0.004mm	58mm	33mm	8mm	M10	8x7x50mm	30mm +0.021mm +0.000mm	33.3mm	8mm

UB	RB	SB	UR TAP	KEY 2	V1
0.875 +0.0000 -0.0005	0.96	0.1875	1/4-20	3/16x3/16x1-1/2	1.75
24mm +0.008mm -0.004mm	27mm	8mm	M8	8x7x35mm	42.5mm

IEC		Standard Motor			Brake Motor		
		X	Y	Z	X	Y	Z
063		8.41	4.76	4.07	10.75	4.76	4.07
071		9.47	5.47	4.41	12.01	5.47	4.41
080		10.53	6.22	4.78	13.41	6.22	4.78
090S		11.65	6.81	5.10	14.67	6.81	5.10
090L		12.64	6.81	5.10	15.65	6.81	5.10
100		13.15	7.52	5.45	16.32	7.52	5.45
112		13.94	8.29	6.04	17.62	8.29	6.04

Dimensions for motor connections available on page 206.
 Diameter of motor or motor flange may extend beyond mounting feet of reducer. Please check motor connection for conflicts.
 Shipping Weights on page 245.

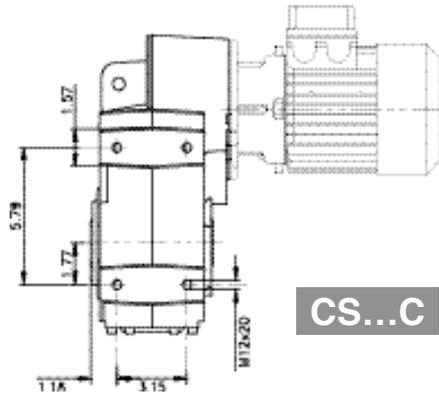
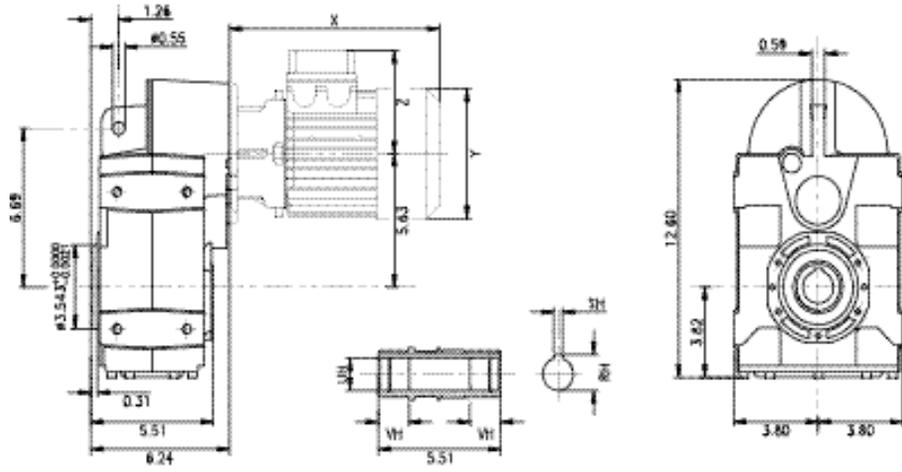

S Dimensions | 052/3


	UA	RA	SA	AA	BD
NEMA 56C	0.625 ^{+0.0010} _{-0.0000}	0.71	0.1875	3.74	6.69
140TC	0.875 ^{+0.0010} _{-0.0000}	0.97	0.1875	3.74	6.69
180TC	1.125 ^{+0.0010} _{-0.0000}	1.24	0.2500	4.33	9.06
IEC 063	11mm ^{+0.034mm} _{+0.016mm}	12.8mm	4mm	57mm	140mm B5
071	14mm ^{+0.024mm} _{+0.006mm}	16.3mm	5mm	69mm	160mm B5
080	19mm ^{+0.028mm} _{+0.007mm}	21.8mm	6mm	90mm	200mm B5
090	24mm ^{+0.028mm} _{+0.007mm}	27.3mm	8mm	90mm	200mm B5
100	28mm ^{+0.028mm} _{+0.007mm}	31.3mm	8mm	105mm	250mm B5
112	28mm ^{+0.028mm} _{+0.007mm}	31.3mm	8mm	105mm	250mm B5

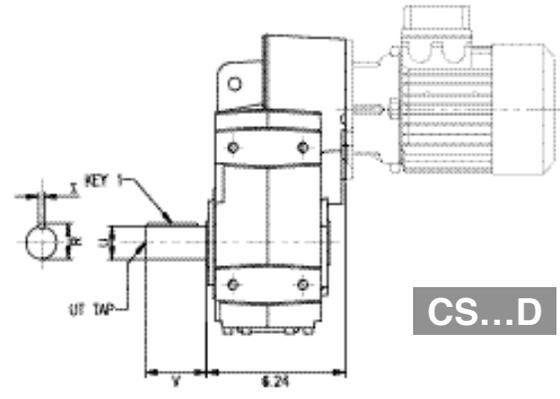
Torque arm dimensions on page 204.
Shrink disk mounting on page 205.



062/3 | S Dimensions



CS...C



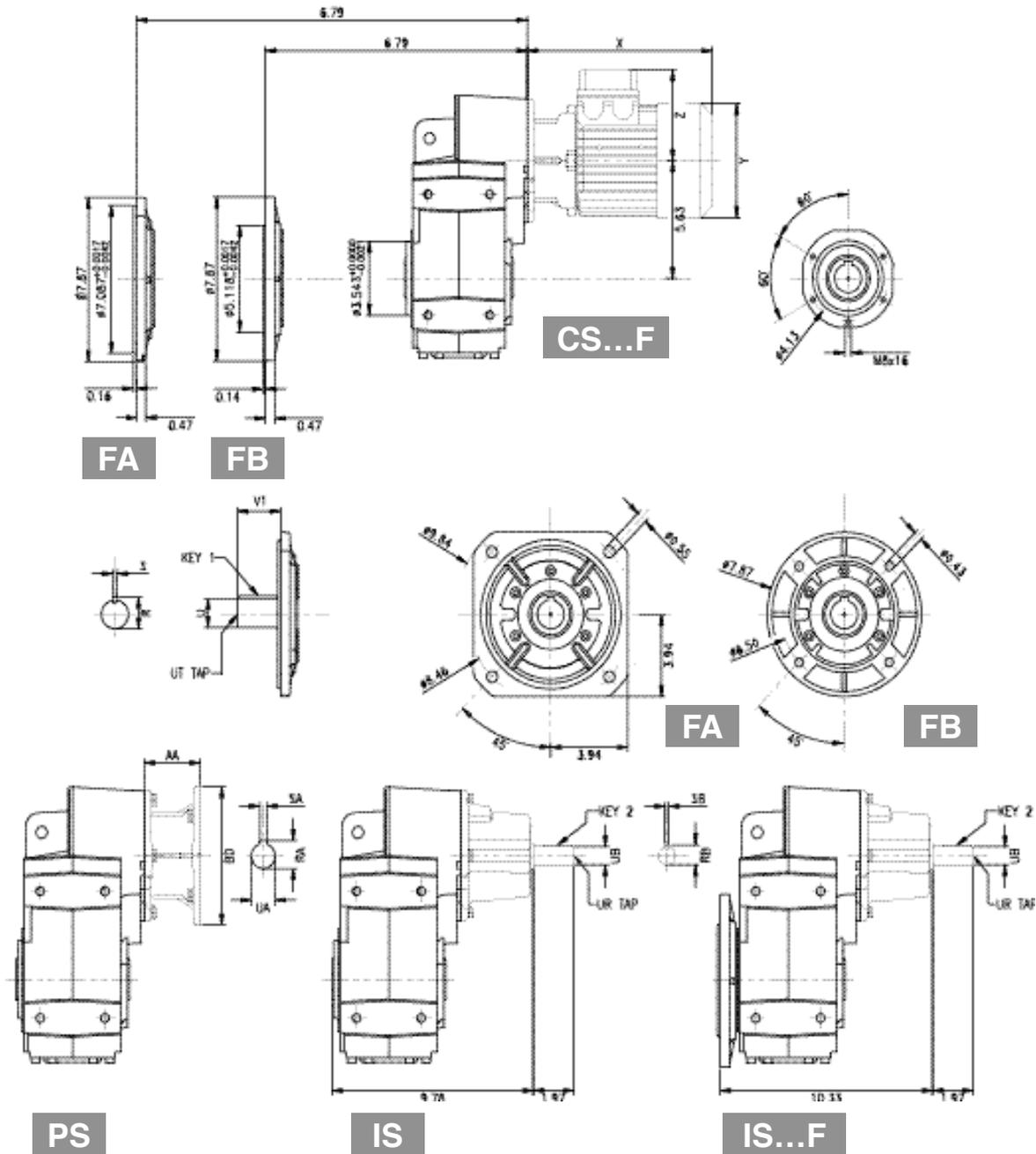
CS...D

U	V	R	S	UT TAP	KEY 1	UH	RH	SH	VH
1.375 ^{+0.0000} / _{-0.0005}	2.76	1.51	0.3125	1/2-13	5/16x5/16x2-1/4	1.375 ^{+0.0010} / _{-0.0000}	1.52	0.3125	1.34
35mm ^{+0.018mm} / _{+0.002mm}	58mm	38mm	10mm	M12	10x8x50mm	35mm ^{+0.034mm} / _{+0.009mm}	38.3mm	10mm	35mm

UB	RB	SB	UR TAP	KEY 2	V1
0.875 ^{+0.0000} / _{-0.0005}	0.96	0.1875	1/4-20	3/16x3/16x1-1/2	2.21
24mm ^{+0.008mm} / _{-0.004mm}	27mm	8mm	M8	8x7x35mm	44mm

		Standard Motor			Brake Motor		
		X	Y	Z	X	Y	Z
IEC	071	9.47	5.47	4.41	12.01	5.47	4.41
	080	10.53	6.22	4.78	13.41	6.22	4.78
	090S	11.65	6.81	5.10	14.67	6.81	5.10
	090L	12.64	6.81	5.10	15.65	6.81	5.10
	100	13.15	7.52	5.45	16.32	7.52	5.45
	112	13.94	8.29	6.04	17.62	8.29	6.04

Dimensions for motor connections available on page 206.
 Diameter of motor or motor flange may extend beyond mounting feet of reducer. Please check motor connection for conflicts.
 Shipping Weights on page 245.

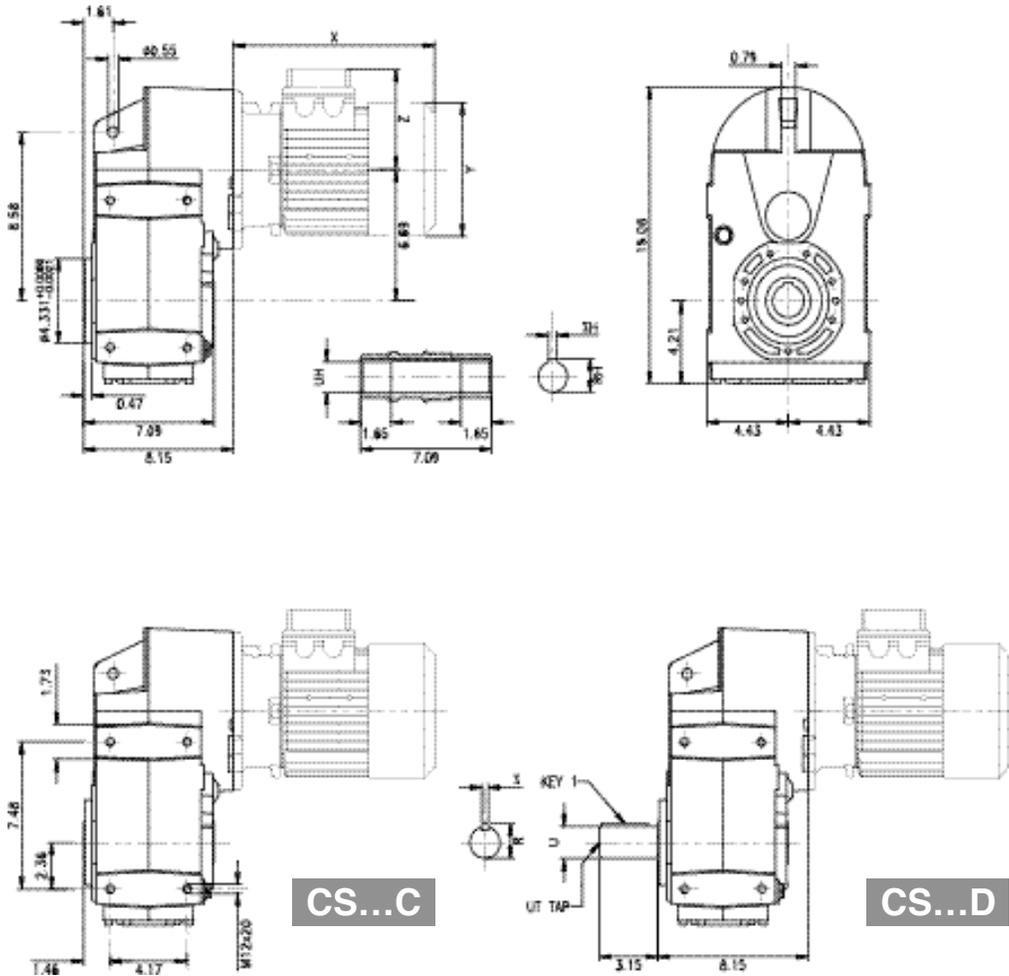

S Dimensions 062/3


		UA	RA	SA	AA	BD
NEMA	56C	0.625 ^{+0.0010} _{-0.0000}	0.71	0.1875	3.74	6.69
	140TC	0.875 ^{+0.0010} _{-0.0000}	0.97	0.1875	3.74	6.69
	180TC	1.125 ^{+0.0010} _{-0.0000}	1.24	0.2500	4.33	9.06
IEC	071	14mm ^{+0.024mm} _{+0.006mm}	16.3mm	5mm	69mm	160mm B5
	080	19mm ^{+0.028mm} _{+0.007mm}	21.8mm	6mm	90mm	200mm B5
	090	24mm ^{+0.028mm} _{+0.007mm}	27.3mm	8mm	90mm	200mm B5
	100	28mm ^{+0.028mm} _{+0.007mm}	31.3mm	8mm	105mm	250mm B5
	112	28mm ^{+0.028mm} _{+0.007mm}	31.3mm	8mm	105mm	250mm B5

Torque arm dimensions on page 204.
Shrink disk mounting on page 205.



082/3 | S Dimensions

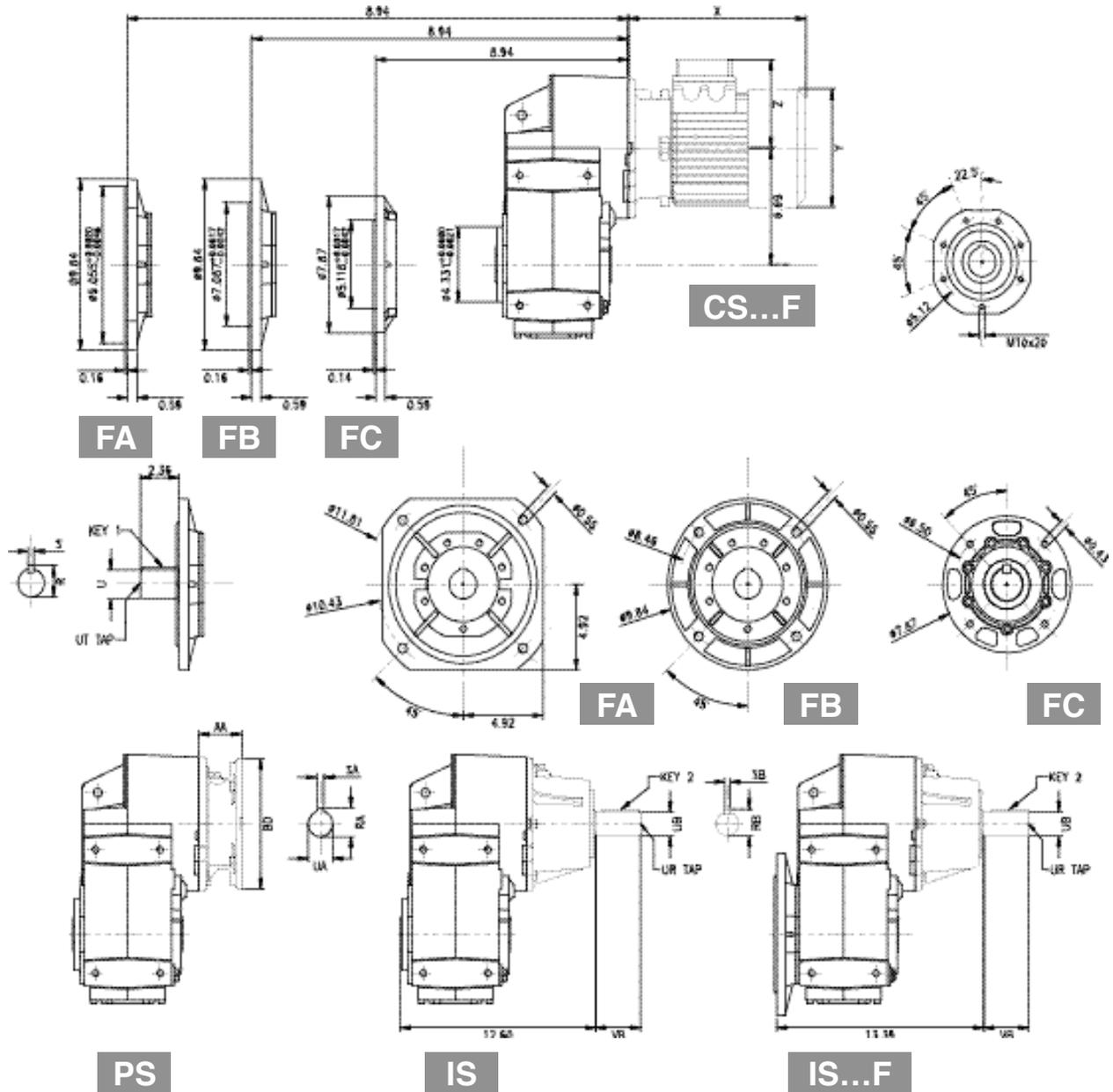


U	R	S	UT TAP	KEY 1	UH	RH	SH
1.625 +0.0000 -0.0010	1.80	0.3750	5/8-11	3/8x3/8x2-1/2	1.500 +0.0010 -0.0000	1.67	0.3750
40mm +0.018mm -0.002mm	43mm	12mm	M16	12x8x60mm	40mm +0.025mm -0.000mm	43.3mm	12mm

UB	VB	RB	SB	UR TAP	KEY 2
1.375 +0.0000 -0.0005	2.76	1.51	0.3125	1/2-13	5/16x5/16x2-1/8
28mm +0.008mm -0.004mm	60mm	31mm	8mm	M10	8x7x45mm

		Standard Motor			Brake Motor		
		X	Y	Z	X	Y	Z
IEC	071	8.68	5.47	4.41	11.22	5.47	4.41
	080	9.74	6.22	4.78	12.62	6.22	4.78
	090S	10.87	6.81	5.10	13.88	6.81	5.10
	090L	11.85	6.81	5.10	14.86	6.81	5.10
	100	13.23	7.52	5.45	16.40	7.52	5.45
	112	14.13	8.29	6.04	17.81	8.29	6.04
	132S	15.96	9.78	7.64	19.47	9.78	7.64
	132M/L	17.83	9.78	7.64	21.52	9.78	7.64

Dimensions for motor connections available on page 206.
 Diameter of motor or motor flange may extend beyond mounting feet of reducer. Please check motor connection for conflicts.
 Shipping Weights on page 245.

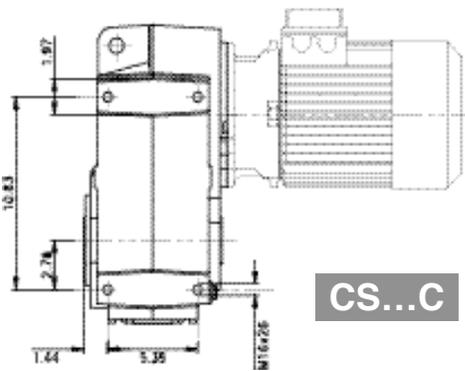
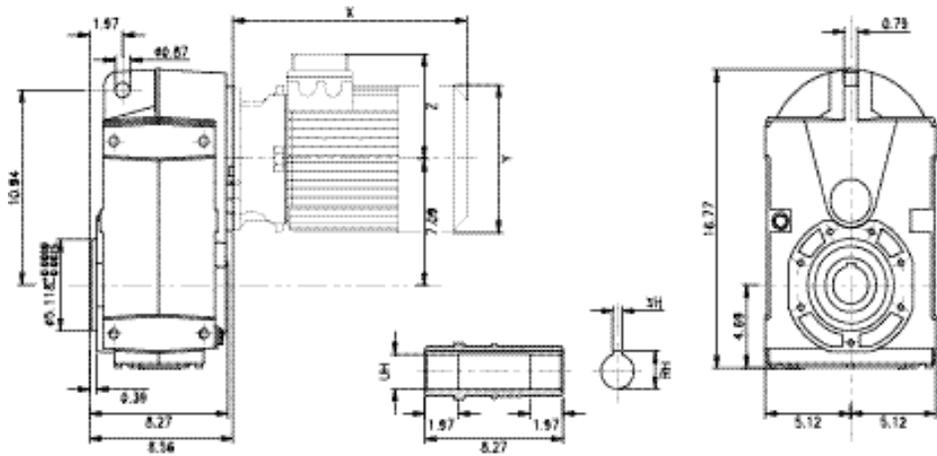

S Dimensions 082/3


	UA	RA	SA	AA	BD	
NEMA	56C	0.625 +0.0010 -0.0000	0.71	0.1875	2.95	6.69
	140TC	0.875 +0.0010 -0.0000	0.97	0.1875	2.95	6.69
	180TC	1.125 +0.0010 -0.0000	1.24	0.2500	3.54	9.06
	210TC	1.375 +0.0010 -0.0000	1.52	0.3125	6.02	9.06
IEC	IEC 071	14mm +0.024mm +0.008mm	16.3mm	5mm	49mm	160mm B5
	IEC 080	19mm +0.028mm +0.007mm	21.8mm	6mm	70mm	200mm B5
	IEC 090	24mm +0.028mm +0.007mm	27.3mm	8mm	70mm	200mm B5
	IEC 100	28mm +0.028mm +0.007mm	31.3mm	8mm	85mm	250mm B5
	IEC 112	28mm +0.028mm +0.007mm	31.3mm	8mm	85mm	250mm B5
	IEC 132	38mm +0.050mm +0.025mm	41.3mm	10mm	110mm	300mm B5

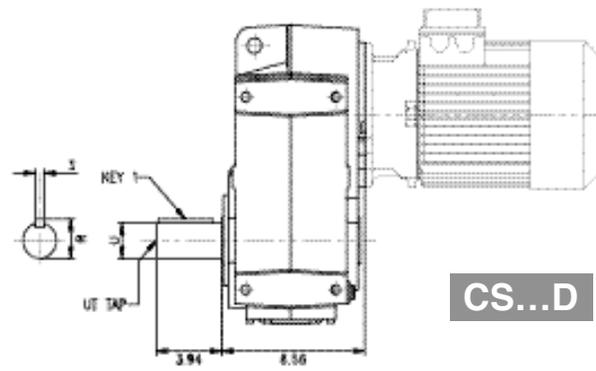
Torque arm dimensions on page 204.
Shrink disk mounting on page 205.



102/3 S Dimensions



CS...C



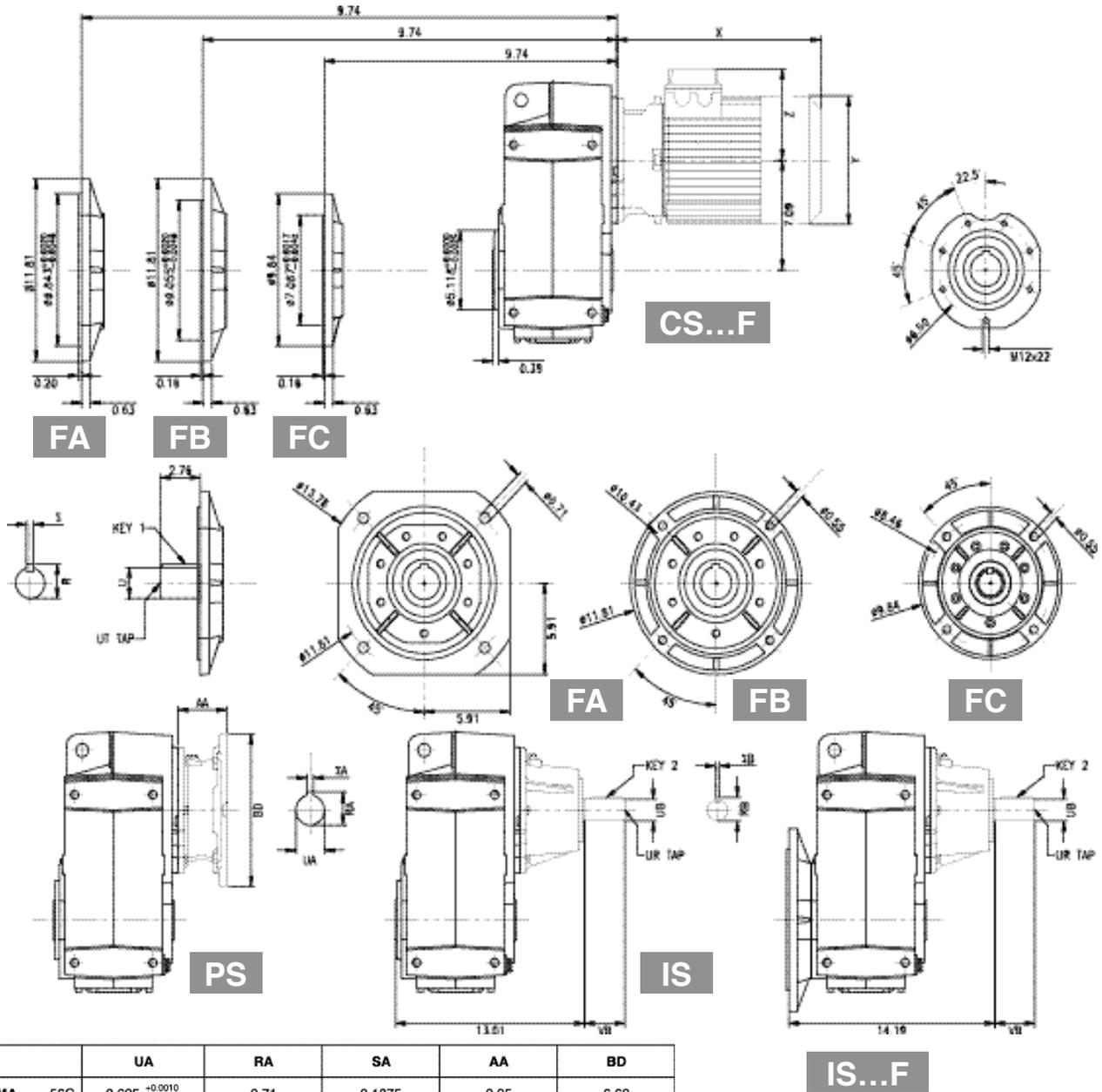
CS...D

U	R	S	UT TAP	KEY 1	UH	RH	SH
2.000 +0.0000 -0.0010	2.22	0.5000	3/4-10	1/2x1/2x3-1/8	2.000 +0.0015 -0.0060	2.22	0.5000
50mm +0.018mm +0.002mm	53.5mm	14mm	M16	14x9x80mm	50mm +0.025mm -0.000mm	53.8mm	14mm

UB	VB	RB	SB	UR TAP	KEY 2
1.375 +0.0000 -0.0005	2.76	1.51	0.3125	1/2-13	5/16x5/16x2-1/8
28mm +0.008mm -0.004mm	60mm	31mm	8mm	M10	8x7x45mm

		Standard Motor			Brake Motor		
		X	Y	Z	X	Y	Z
IEC	071	8.68	5.47	4.41	11.22	5.47	4.41
	080	9.74	6.22	4.78	12.62	6.22	4.78
	090S	10.87	6.81	5.10	13.88	6.81	5.10
	090L	11.85	6.81	5.10	14.86	6.81	5.10
	100	13.23	7.52	5.45	16.40	7.52	5.45
	112	14.13	8.29	6.04	17.81	8.29	6.04
	132S	15.96	9.78	7.64	19.47	9.78	7.64
	132M/L	17.83	9.78	7.64	21.52	9.78	7.64

Dimensions for motor connections available on page 206.
 Diameter of motor or motor flange may extend beyond mounting feet of reducer. Please check motor connection for conflicts.
 Shipping Weights on page 245.

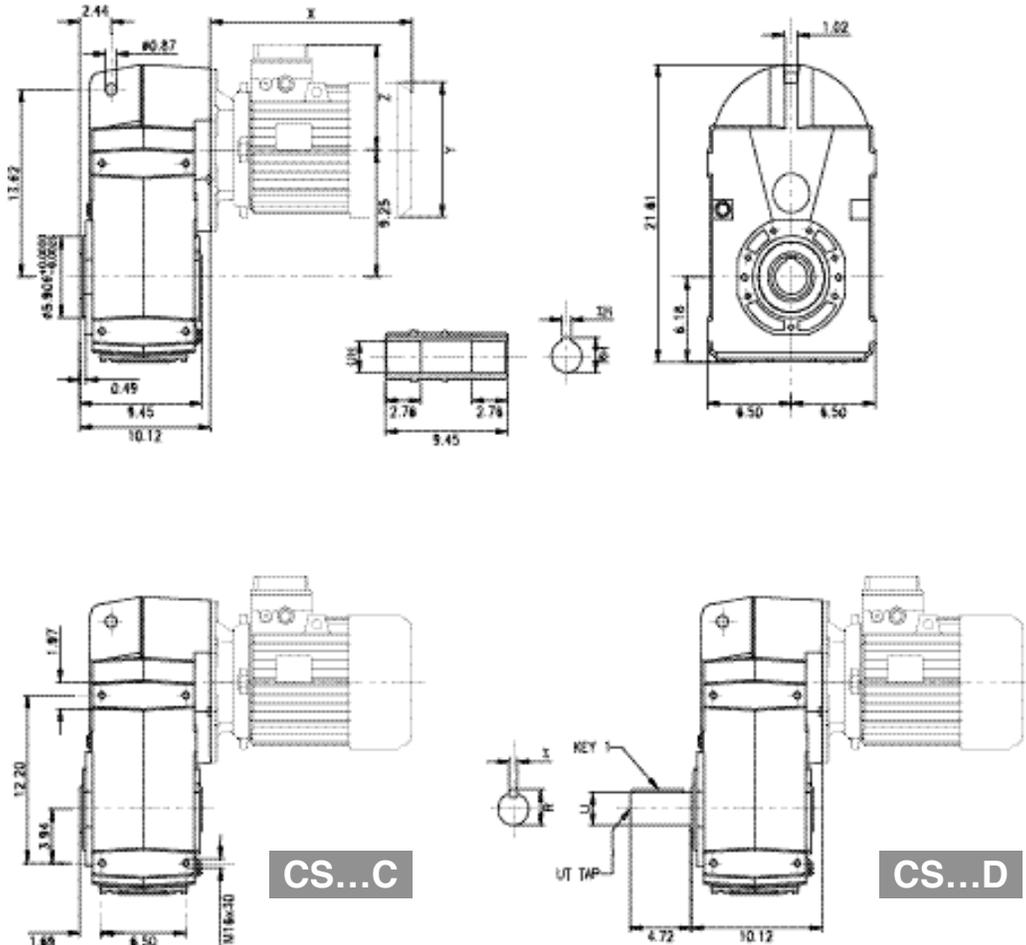

S Dimensions | 102/3


		UA	RA	SA	AA	BD
NEMA	56C	0.625 ^{+0.0010} _{-0.0000}	0.71	0.1875	2.95	6.69
	140TC	0.875 ^{+0.0010} _{-0.0000}	0.97	0.1875	2.95	6.69
	180TC	1.125 ^{+0.0010} _{-0.0000}	1.24	0.2500	3.54	9.06
	210TC	1.375 ^{+0.0010} _{-0.0000}	1.52	0.3125	6.02	9.06
	250TC	1.625 ^{+0.0010} _{-0.0000}	1.80	0.3750	6.02	9.06
IEC	071	14mm ^{+0.024mm} _{+0.008mm}	16.3mm	5mm	49mm	160mm B5
	080	19mm ^{+0.028mm} _{+0.007mm}	21.8mm	6mm	70mm	200mm B5
	090	24mm ^{+0.028mm} _{+0.007mm}	27.3mm	8mm	70mm	200mm B5
	100	28mm ^{+0.028mm} _{+0.007mm}	31.3mm	8mm	85mm	250mm B5
	112	28mm ^{+0.028mm} _{+0.007mm}	31.3mm	8mm	85mm	250mm B5
	132	38mm ^{+0.050mm} _{+0.025mm}	41.3mm	10mm	110mm	300mm B5
	160	42mm ^{+0.050mm} _{+0.025mm}	45.3mm	12mm	158mm	350mm B5

Torque arm dimensions on page 204.
Shrink disk mounting on page 205.



122/3 S Dimensions



CS...C

CS...D

U	R	S	UT TAP	KEY 1	UH	RH	SH
2.375 ^{+0.0000} / _{-0.0010}	2.65	0.6250	3/4-10	5/8x5/8x3-3/4	2.375 ^{+0.0015} / _{-0.0000}	2.65	0.6250
60mm ^{+0.030mm} / _{+0.011mm}	63.5mm	18mm	M20	18x11x100mm	60mm ^{+0.030mm} / _{-0.000mm}	64.4mm	18mm

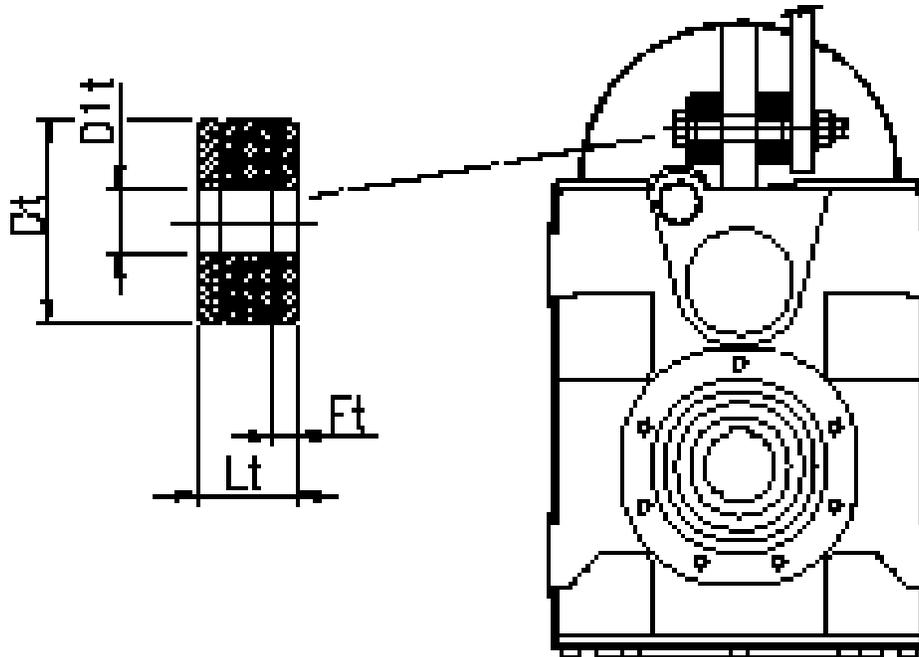
UB	RB	SB	UR TAP	KEY 2
1.625 ^{+0.0000} / _{-0.0010}	1.79	0.3750	5/8-11	3/8x3/8x2-1/2
38mm ^{+0.018mm} / _{+0.002mm}	41mm	10mm	M12	10x8x60mm

	Standard Motor			Brake Motor			
	X	Y	Z	X	Y	Z	
IEC	090S	10.49	6.81	5.10	13.50	6.81	5.10
	090L	11.48	6.81	5.10	14.49	6.81	5.10
	100	12.85	7.52	5.45	16.02	7.52	5.45
	112	13.76	8.29	6.04	17.44	8.29	6.04
	132S	15.59	9.78	7.64	19.09	9.78	7.64
	132ML	17.46	9.78	7.64	21.14	9.78	7.64

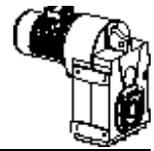
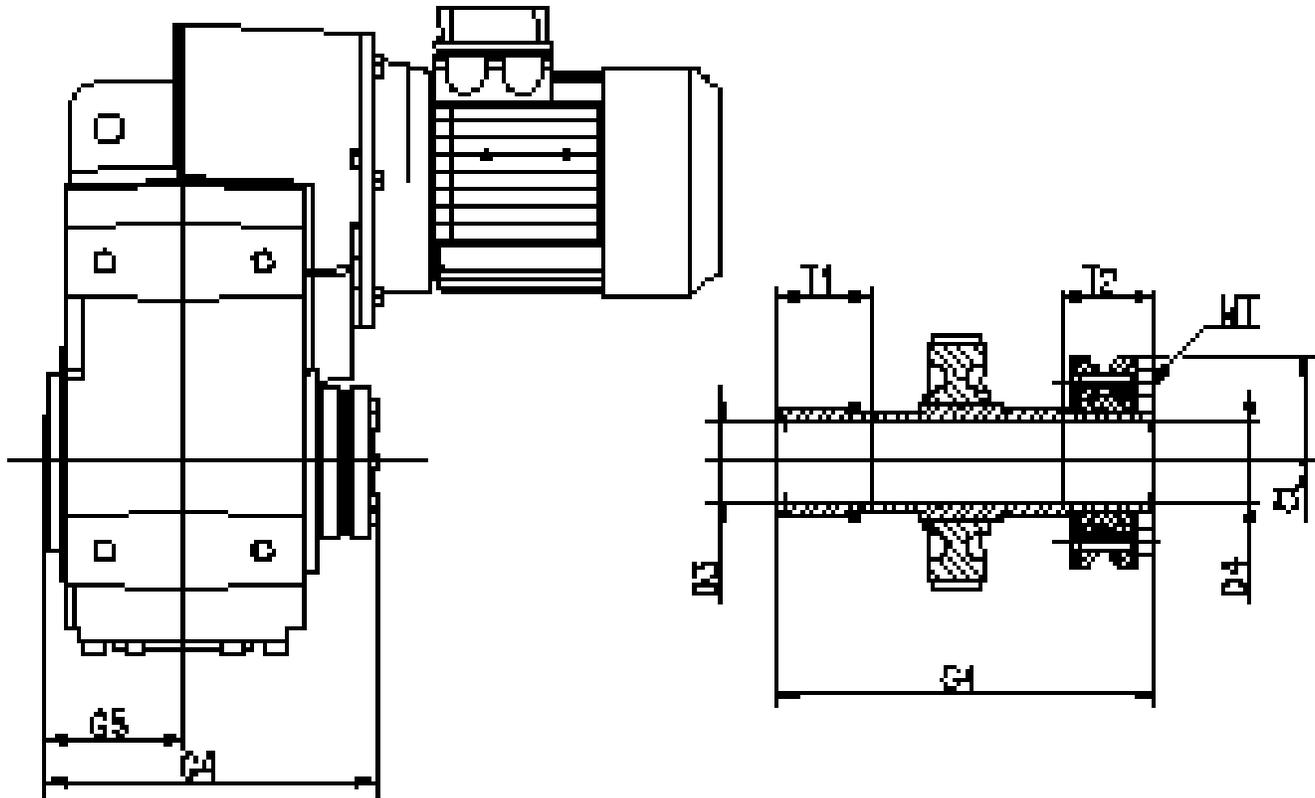
Dimensions for motor connections available on page 206.
 Diameter of motor or motor flange may extend beyond mounting feet of reducer. Please check motor connection for conflicts.
 Shipping Weights on page 245.



S Torque Arm



	Dt	D1t	Lt	Ft
050	1.57	0.49	0.79	0.12
060	1.57	0.49	0.79	0.12
080	1.57	0.49	0.79	0.12
100	2.36	0.83	1.18	0.20
125	2.36	0.83	1.18	0.20

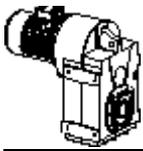

Shrink Disk S


	D3	D4	G4	G5	T1	T2	CL	MT 12.9 (Nm)
050	31 +0.0340 +0.0080	30 +0.0210 +0	152	80	35	35	74	15
060	36 +0.0340 +0.0080	35 +0.0250 +0	173	70	40	35	80	15
080	41 +0.0340 +0.0080	40 +0.0250 +0	217	90	50	40	100	15
100	51 +0.0400 +0.0100	50 +0.0250 +0	248	105	55	40	115	15
125	61 +0.0400 +0.0100	60 +0.0300 +0	282	120	60	50	145	40

Shrink disk dimensions and tolerances are in millimeters.

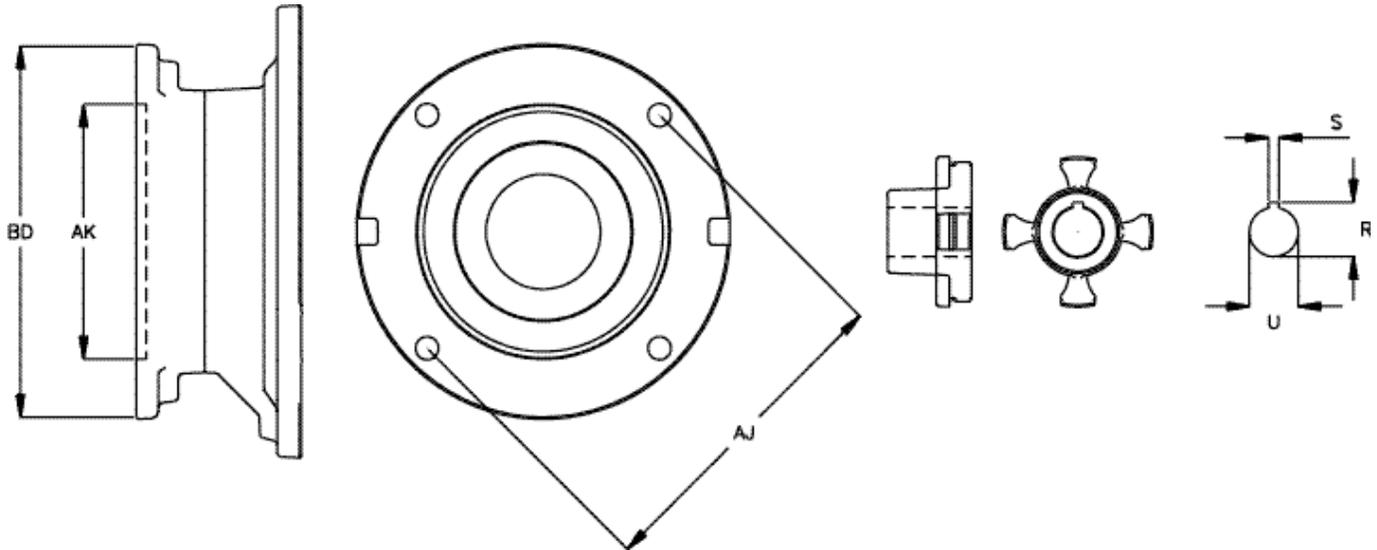
Shrink disk is only available in metric dimensions.

See page 249 for shaft specifications.



Motor Connections

Input Flange



Input Flange Dimensions

	AJ	AK	BD	R	S	U	
NEMA 48C	3.75	3.00	5.625	0.56	0.1250	0.500	
	56C	5.88	4.50	6.500	0.71	0.1875	0.625
	140TC	5.88	4.50	6.500	0.97	0.1875	0.875
	180TC	7.25	8.50	9.000	1.24	0.2500	1.125
	210TC	7.25	8.50	9.000	1.52	0.3125	1.375
	250TC	7.25	8.50	9.000	1.59	0.3750	1.625
	280TC	9.00	10.50	11.250	2.09	0.5000	1.875
	320TC	11.00	12.50	13.375	2.34	0.5000	2.125
	360TC	11.00	12.50	13.375	2.64	0.6250	2.375
IEC 56 B5	100mm	80mm	120mm	10.2mm	3mm	9mm	
	63 B5	115mm	95mm	140mm	12.8mm	4mm	11mm
	71 B5	130mm	110mm	160mm	16.3mm	5mm	14mm
	80 B5	165mm	130mm	200mm	21.8mm	6mm	19mm
	90 B5	165mm	130mm	200mm	27.3mm	8mm	24mm
	100 B5	215mm	180mm	250mm	31.3mm	8mm	28mm
	112 B5	215mm	180mm	250mm	31.3mm	8mm	28mm
	132 B5	265mm	230mm	300mm	41.3mm	10mm	38mm
	160 B5	300mm	250mm	350mm	45.3mm	12mm	42mm
	180 B5	300mm	250mm	350mm	51.8mm	14mm	48mm
	200 B5	350mm	300mm	400mm	59.3mm	16mm	55mm
	225 B5	400mm	350mm	450mm	64.4mm	18mm	60mm