



# SELECTION

## RIGHT ANGLE HELICAL BEVEL REDUCER (RHB)

SIZE: B\_383

Service Factor 1.0 / Clamp Collar / 3 Pc Coupled / Separate

60HZ

Triple Reduction

NEMA MOTOR FRAME IEC MOTOR FRAME SEPARATE GROUP		56C 71D 71			--- 80D 80			140TC 90D 90			180TC 100D 100		
RATIO	OUTPUT RATING DATA	3450	1750	1160	3450	1750	1160	3450	1750	1160	3450	1750	1160
5.65	Output RPM	610	310	205	610	310	205	610	310	205	610	310	205
	Input HP (Max) (C)	3.98	2.02	1.34	4.85	2.46	1.63	6.99	5	3.24	6.99	5.6	3.27
	Output Torque, In-Lb	411	411	411	500	500	500	722	1019	994	722	1140	1004
	OHL Input Shaft	(A)	209	218	(A)	346	360	(A)	456	475	(A)	711	742
	OHL Output Shaft (B)	(A)	589	620	(A)	589	620	(A)	589	620	(A)	589	620
6.22	Output RPM	555	281	187	555	281	187	555	281	187	555	281	187
	Input HP (Max) (C)	3.98	2.02	1.34	4.85	2.46	1.63	6.57	5	3.07	6.57	5.26	3.07
	Output Torque, In-Lb	452	452	452	550	550	550	746	1120	1038	746	1177	1038
	OHL Input Shaft	(A)	211	217	(A)	346	360	(A)	456	475	(A)	711	742
	OHL Output Shaft (B)	(A)	589	620	(A)	589	620	(A)	589	620	(A)	589	620
7.22	Output RPM	478	242	161	478	242	161	478	242	161	478	242	161
	Input HP (Max) (C)	3.98	2.02	1.34	4.85	2.46	1.63	5.95	4.76	2.78	5.95	4.76	2.78
	Output Torque, In-Lb	525	525	525	639	639	639	786	1237	1092	786	1237	1092
	OHL Input Shaft	(A)	210	219	(A)	346	360	(A)	456	475	(A)	712	743
	OHL Output Shaft (B)	(A)	620	620	(A)	620	620	(A)	620	620	(A)	620	620
7.82	Output RPM	441	224	148	441	224	148	441	224	148	441	224	148
	Input HP (Max) (C)	3.98	2.02	1.34	4.85	2.46	1.63	5.65	4.51	2.64	5.65	4.51	2.64
	Output Torque, In-Lb	569	569	569	692	692	692	807	1270	1122	807	1270	1122
	OHL Input Shaft	(A)	210	219	(A)	346	360	(A)	456	471	(A)	713	743
	OHL Output Shaft (B)	(A)	620	617	(A)	620	617	(A)	620	617	(A)	620	617
8.85	Output RPM	390	198	131	390	198	131	390	198	131	390	198	131
	Input HP (Max) (C)	3.98	2.02	1.34	4.85	2.46	1.63	5.21	4.15	2.43	5.21	4.15	2.43
	Output Torque, In-Lb	643	643	643	783	783	783	841	1322	1169	841	1322	1169
	OHL Input Shaft	(A)	209	218	(A)	346	360	(A)	456	471	(A)	713	743
	OHL Output Shaft (B)	589	620	617	589	620	617	589	620	617	589	620	617
9.72	Output RPM	355	180	119	355	180	119	355	180	119	355	180	119
	Input HP (Max) (C)	3.98	2.02	1.33	4.85	2.46	1.63	4.89	3.9	2.29	4.89	3.9	2.29
	Output Torque, In-Lb	707	707	702	860	860	860	868	1364	1207	868	1364	1207
	OHL Input Shaft	(A)	210	217	(A)	346	360	(A)	456	472	(A)	713	743
	OHL Output Shaft (B)	589	620	617	589	620	617	589	620	617	589	620	617
10.70	Output RPM	322	163	108	322	163	108	322	163	108	322	163	108
	Input HP (Max) (C)	3.98	2.02	1.27	4.58	2.46	1.63	4.58	3.64	2.14	4.58	3.64	2.14
	Output Torque, In-Lb	731	779	742	896	949	949	896	1404	1246	896	1404	1246
	OHL Input Shaft	(A)	209	217	(A)	345	359	(A)	457	471	(A)	713	743
	OHL Output Shaft (B)	589	620	617	589	620	617	589	620	617	589	620	617
11.50	Output RPM	300	152	101	300	152	101	300	152	101	300	152	101
	Input HP (Max) (C)	3.98	2.02	1.34	4.85	2.46	1.63	6.99	5	3.24	6.99	5.34	3.27
	Output Torque, In-Lb	836	836	836	1018	1018	1018	1468	2072	2023	1468	2213	2042
	OHL Input Shaft	(A)	209	218	(A)	346	360	(A)	456	475	(A)	712	742
	OHL Output Shaft (B)	589	617	617	589	617	617	589	617	617	589	617	617
12.65	Output RPM	273	138	92	273	138	92	273	138	92	273	138	92
	Input HP (Max) (C)	3.98	2.02	1.34	4.85	2.46	1.63	6.57	4.86	3.07	6.57	4.86	3.07
	Output Torque, In-Lb	920	920	920	1120	1120	1120	1518	2213	2111	1518	2213	2111
	OHL Input Shaft	(A)	211	217	(A)	346	360	(A)	456	475	(A)	713	742
	OHL Output Shaft (B)	589	617	726	589	617	726	589	617	726	589	617	726

(A) (B) (C) - See Footnote page on inside back cover

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# SELECTION

## RIGHT ANGLE HELICAL BEVEL REDUCER (RHB) Service Factor 1.0 / Clamp Collar / 3 Pc Coupled / Separate Triple Reduction

SIZE: B\_383  
60HZ

NEMA MOTOR FRAME IEC MOTOR FRAME SEPARATE GROUP		56C 71D 71			--- 80D 80			140TC 90D 90			180TC 100D 100		
RATIO	OUTPUT RATING DATA	3450	1750	1160	3450	1750	1160	3450	1750	1160	3450	1750	1160
14.69	Output RPM	235	119	79	235	119	79	235	119	79	235	119	79
	Input HP (Max) (C)	3.98	2.02	1.34	4.85	2.46	1.63	5.95	4.18	2.77	5.95	4.18	2.77
	Output Torque, In-Lb	1068	1068	1068	1301	1301	1301	1598	2213	2213	1598	2213	2213
	OHL Input Shaft (A)	210	210	219	(A)	346	360	(A)	457	470	(A)	714	743
	OHL Output Shaft (B)	620	617	726	620	617	726	620	617	726	620	617	726
15.91	Output RPM	217	110	73	217	110	73	217	110	73	217	110	73
	Input HP (Max) (C)	3.98	2.02	1.34	4.85	2.46	1.63	5.65	3.86	2.56	5.65	3.86	2.56
	Output Torque, In-Lb	1157	1157	1157	1408	1408	1408	1642	2213	2213	1642	2213	2213
	OHL Input Shaft (A)	210	210	219	(A)	346	360	(A)	453	472	(A)	714	743
	OHL Output Shaft (B)	620	617	726	620	617	726	620	617	726	620	617	726
18.00	Output RPM	192	97	65	192	97	65	192	97	65	192	97	65
	Input HP (Max) (C)	3.98	2.02	1.34	4.85	2.46	1.63	5.21	3.41	2.26	5.21	3.41	2.26
	Output Torque, In-Lb	1308	1308	1308	1593	1593	1593	1711	2213	2213	1711	2213	2213
	OHL Input Shaft (A)	209	209	218	(A)	346	360	(A)	453	472	(A)	714	743
	OHL Output Shaft (B)	620	726	726	620	726	726	620	726	726	620	726	726
19.78	Output RPM	175	89	59	175	89	59	175	89	59	175	89	59
	Input HP (Max) (C)	3.98	2.02	1.33	4.85	2.46	1.63	4.89	3.11	2.06	4.89	3.11	2.06
	Output Torque, In-Lb	1438	1438	1427	1750	1750	1750	1766	2213	2213	1766	2213	2213
	OHL Input Shaft (A)	210	210	217	(A)	346	360	(A)	454	473	(A)	715	744
	OHL Output Shaft (B)	620	726	926	620	726	926	620	726	926	620	726	926
21.81	Output RPM	158	80	53	158	80	53	158	80	53	158	80	53
	Input HP (Max) (C)	3.98	2.02	1.27	4.58	2.46	1.63	4.58	2.82	1.87	4.58	2.82	1.87
	Output Torque, In-Lb	1488	1586	1509	1824	1931	1931	1824	2213	2213	1824	2213	2213
	OHL Input Shaft (A)	210	210	217	(A)	345	359	(A)	455	474	(A)	715	744
	OHL Output Shaft (B)	617	726	926	617	726	926	617	726	926	617	726	926
24.16	Output RPM	143	72	48	143	72	48	143	72	48	143	72	48
	Input HP (Max) (C)	3.98	1.89	1.22	4.27	2.46	1.63	4.27	2.54	1.69	4.27	2.54	1.69
	Output Torque, In-Lb	1538	1648	1594	1886	2138	2138	1886	2213	2213	1886	2213	2213
	OHL Input Shaft (A)	209	209	217	(A)	345	359	(A)	456	474	(A)	715	744
	OHL Output Shaft (B)	617	726	926	617	726	926	617	726	926	617	726	926
26.90	Output RPM	128	65	43	128	65	43	128	65	43	128	65	43
	Input HP (Max) (C)	3.97	1.76	1.15	3.97	2.28	1.51	3.97	2.28	1.51	3.97	2.28	1.51
	Output Torque, In-Lb	1588	1701	1684	1952	2213	2213	1952	2213	2213	1952	2213	2213
	OHL Input Shaft (A)	209	209	217	(A)	345	359	(A)	456	475	(A)	715	744
	OHL Output Shaft (B)	617	726	926	617	726	926	617	726	926	617	726	926
28.70	Output RPM	120	61	40	120	61	40	120	61	40	120	61	40
	Input HP (Max) (C)	3.98	2.02	1.34	4.07	2.14	1.42	4.07	2.14	1.42	4.07	2.14	1.42
	Output Torque, In-Lb	2088	2088	2088	2133	2213	2213	2133	2213	2213	2133	2213	2213
	OHL Input Shaft (A)	209	209	218	(A)	346	360	(A)	457	476	(A)	713	741
	OHL Output Shaft (B)	617	926	926	617	926	926	617	926	926	617	926	926
31.59	Output RPM	109	55	37	109	55	37	109	55	37	109	55	37
	Input HP (Max) (C)	3.80	1.94	1.29	3.80	1.94	1.29	3.80	1.91	1.29	3.80	1.94	1.29
	Output Torque, In-Lb	2195	2213	2213	2195	2213	2213	2195	2213	2213	2195	2213	2213
	OHL Input Shaft (A)	209	209	218	(A)	346	360	(A)	453	472	(A)	713	742
	OHL Output Shaft (B)	617	926	1150	617	926	1150	617	926	1150	617	926	1150

(A) (B) (C) - See Footnote page on inside back cover

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# SELECTION

**RIGHT ANGLE HELICAL BEVEL REDUCER (RHB)**  
**Service Factor 1.0 / Clamp Collar / 3 Pc Coupled / Separate Triple Reduction**

**SIZE: B\_383**  
**60HZ**

NEMA MOTOR FRAME IEC MOTOR FRAME SEPARATE GROUP		56C 71D 71			--- 80D 80			140TC 90D 90			180TC 100D 100		
RATIO	OUTPUT RATING DATA	3450	1750	1160	3450	1750	1160	3450	1750	1160	3450	1750	1160
<b>36.69</b>	Output RPM	94	48	32	94	48	32	94	48	32	94	48	32
	Input HP (Max) (C)	3.30	1.68	1.11	3.30	1.67	1.11	3.30	1.67	1.11	3.30	1.67	1.11
	Output Torque, In-Lb	2213	2213	2213	2213	2213	2213	2213	2213	2213	2213	2213	2213
	OHL Input Shaft (A)	(A)	209	218	(A)	344	357	(A)	454	472	(A)	714	743
	OHL Output Shaft (B)	726	926	1150	726	926	1150	726	926	1150	726	926	1150
<b>39.73</b>	Output RPM	87	44	29	87	44	29	87	44	29	87	44	29
	Input HP (Max) (C)	3.05	1.55	1.03	3.05	1.55	1.03	3.05	1.55	1.03	3.05	1.55	1.03
	Output Torque, In-Lb	2213	2213	2213	2213	2213	2213	2213	2213	2213	2213	2213	2213
	OHL Input Shaft (A)	(A)	210	218	(A)	343	357	(A)	455	473	(A)	714	743
	OHL Output Shaft (B)	726	926	1150	726	926	1150	726	926	1150	726	926	1150
<b>44.94</b>	Output RPM	77	39	26	77	39	26	77	39	26	77	39	26
	Input HP (Max) (C)	2.70	1.37	0.91	2.70	1.37	0.91	2.70	1.37	0.91	2.70	1.37	0.91
	Output Torque, In-Lb	2213	2213	2213	2213	2213	2213	2213	2213	2213	2213	2213	2213
	OHL Input Shaft (A)	(A)	210	219	(A)	344	358	(A)	456	474	(A)	714	743
	OHL Output Shaft (B)	726	1150	1150	726	1150	1150	726	1150	1150	726	1150	1150
<b>49.38</b>	Output RPM	70	35	24	70	35	24	70	35	24	70	35	24
	Input HP (Max) (C)	2.45	1.24	0.83	2.45	1.24	0.82	2.45	1.24	0.82	2.45	1.24	0.82
	Output Torque, In-Lb	2213	2213	2213	2213	2213	2213	2213	2213	2213	2213	2213	2213
	OHL Input Shaft (A)	(A)	211	219	(A)	345	359	(A)	456	474	(A)	714	743
	OHL Output Shaft (B)	726	1150	1411	726	1150	1411	726	1150	1411	726	1150	1411
<b>54.47</b>	Output RPM	63	32	21	63	32	21	63	32	21	63	32	21
	Input HP (Max) (C)	2.22	1.13	0.75	2.22	1.13	0.75	2.22	1.13	0.75	2.22	1.13	0.75
	Output Torque, In-Lb	2213	2213	2213	2213	2213	2213	2213	2213	2213	2213	2213	2213
	OHL Input Shaft (A)	(A)	211	219	(A)	345	359	(A)	456	475	(A)	715	744
	OHL Output Shaft (B)	926	1150	1411	926	1150	1411	926	1150	1411	926	1150	1411
<b>60.33</b>	Output RPM	57	29	19	57	29	19	57	29	19	57	29	19
	Input HP (Max) (C)	2.01	1.02	0.68	2.01	1.02	0.68	2.01	1.02	0.68	2.01	1.02	0.68
	Output Torque, In-Lb	2213	2213	2213	2213	2213	2213	2213	2213	2213	2213	2213	2213
	OHL Input Shaft (A)	(A)	211	219	(A)	346	359	(A)	457	475	(A)	715	744
	OHL Output Shaft (B)	926	1150	1411	926	1150	1411	926	1150	1411	926	1150	1411
<b>67.18</b>	Output RPM	51	26	17	51	26	17	51	26	17	51	26	17
	Input HP (Max) (C)	1.80	0.91	0.61	1.80	0.91	0.61	1.80	0.91	0.61	1.80	0.91	0.61
	Output Torque, In-Lb	2213	2213	2213	2213	2213	2213	2213	2213	2213	2213	2213	2213
	OHL Input Shaft (A)	(A)	211	220	(A)	346	360	(A)	457	475	(A)	715	744
	OHL Output Shaft (B)	926	1150	1411	926	1150	1411	926	1150	1411	926	1150	1411
<b>77.09</b>	Output RPM	45	23	15	45	23	15	45	23	15	45	23	15
	Input HP (Max) (C)	1.57	0.8	0.53	1.57	0.8	0.53	1.57	0.8	0.53	1.57	0.8	0.53
	Output Torque, In-Lb	2213	2213	2213	2213	2213	2213	2213	2213	2213	2213	2213	2213
	OHL Input Shaft (A)	(A)	211	220	(A)	346	360	(A)	457	475	(A)	715	744
	OHL Output Shaft (B)	926	1411	1411	926	1411	1411	926	1411	1411	926	1411	1411
<b>85.33</b>	Output RPM	40	21	13	40	21	13	40	21	13	-	-	-
	Input HP (Max) (C)	1.42	0.72	0.48	1.42	0.72	0.48	1.42	0.72	0.48	-	-	-
	Output Torque, In-Lb	2213	2213	2213	2213	2213	2213	2213	2213	2213	-	-	-
	OHL Input Shaft (A)	(A)	211	220	(A)	346	360	(A)	457	476	-	-	-
	OHL Output Shaft (B)	1150	1411	1411	1150	1411	1411	1150	1411	1411	-	-	-

(A) (B) (C) - See Footnote page on inside back cover

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# SELECTION

**RIGHT ANGLE HELICAL BEVEL REDUCER (RHB)**  
**Service Factor 1.0 / Clamp Collar / 3 Pc Coupled / Separate Triple Reduction**

**SIZE: B\_383**  
**60HZ**

NEMA MOTOR FRAME IEC MOTOR FRAME SEPARATE GROUP		56C 71D 71			--- 80D 80			140TC 90D 90			180TC 100D 100		
RATIO	OUTPUT RATING DATA	3450	1750	1160	3450	1750	1160	3450	1750	1160	3450	1750	1160
<b>97.05</b>	Output RPM	36	18	12	36	18	12	36	18	12	-	-	-
	Input HP (Max) (C)	1.25	0.63	0.42	1.25	0.63	0.42	1.25	0.63	0.42	-	-	-
	Output Torque, In-Lb	2213	2213	2213	2213	2213	2213	2213	2213	2213	-	-	-
	OHL Input Shaft OHL Output Shaft (B)	(A) 1150	210 1411	218 1411	(A) 1150	346 1411	360 1411	(A) 1150	457 1411	475 1411	- -	- -	- -
<b>110.75</b>	Output RPM	31	16	11	31	16	11	31	16	11	-	-	-
	Input HP (Max) (C)	1.09	0.55	0.37	1.09	0.55	0.37	1.09	0.55	0.37	-	-	-
	Output Torque, In-Lb	2213	2213	2213	2213	2213	2213	2213	2213	2213	-	-	-
	OHL Input Shaft OHL Output Shaft (B)	(A) 1150	210 1411	218 1411	(A) 1150	346 1411	360 1411	(A) 1150	457 1411	476 1411	- -	- -	- -
<b>124.78</b>	Output RPM	28	14	9	28	14	9	-	-	-	-	-	-
	Input HP (Max) (C)	0.97	0.49	0.33	0.97	0.49	0.33	-	-	-	-	-	-
	Output Torque, In-Lb	2213	2213	2213	2213	2213	2213	-	-	-	-	-	-
	OHL Input Shaft OHL Output Shaft (B)	(A) 1150	210 1411	219 1411	(A) 1150	346 1411	360 1411	- -	- -	- -	- -	- -	- -
<b>139.44</b>	Output RPM	25	13	8	25	13	8	-	-	-	-	-	-
	Input HP (Max) (C)	0.87	0.44	0.29	0.87	0.44	0.29	-	-	-	-	-	-
	Output Torque, In-Lb	2213	2213	2213	2213	2213	2213	-	-	-	-	-	-
	OHL Input Shaft OHL Output Shaft (B)	(A) 1411	211 1411	219 1411	(A) 1411	346 1411	360 1411	- -	- -	- -	- -	- -	- -
<b>159.04</b>	Output RPM	22	11	7	22	11	7	-	-	-	-	-	-
	Input HP (Max) (C)	0.76	0.39	0.26	0.76	0.39	0.26	-	-	-	-	-	-
	Output Torque, In-Lb	2213	2213	2213	2213	2213	2213	-	-	-	-	-	-
	OHL Input Shaft OHL Output Shaft (B)	(A) 1411	211 1411	219 1411	(A) 1411	346 1411	360 1411	- -	- -	- -	- -	- -	- -
<b>179.14</b>	Output RPM	19	10	7	-	-	-	-	-	-	-	-	-
	Input HP (Max) (C)	0.68	0.34	0.23	-	-	-	-	-	-	-	-	-
	Output Torque, In-Lb	2213	2213	2213	-	-	-	-	-	-	-	-	-
	OHL Input Shaft OHL Output Shaft (B)	(A) 1411	211 1411	219 1411	- -	- -	- -	- -	- -	- -	- -	- -	- -

Notes:

(A) (B) (C) - See Footnote page on inside back cover

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# SELECTION

**RIGHT ANGLE HELICAL BEVEL REDUCER (RHB)**  
**Service Factor 1.0 / Clamp Collar / 3 Pc Coupled / Separate**  
**Triple Reduction**

**SIZE: B\_483**  
**60HZ**

NEMA MOTOR FRAME IEC MOTOR FRAME SEPARATE GROUP		56C 71D 71			--- 80D 80			140TC 90D 90			180TC 100D 100		
RATIO	OUTPUT RATING DATA	3450	1750	1160	3450	1750	1160	3450	1750	1160	3450	1750	1160
7.22	Output RPM	478	242	161	478	242	161	478	242	161	478	242	161
	Input HP (Max) (C)	3.98	2.02	1.34	4.84	2.46	1.63	9.86	5.01	3.24	12.95	9.90	5.94
	Output Torque, In-Lb	525	525	525	639	640	639	1301	1302	1270	1708	2573	2329
	OHL Input Shaft	(A)	218	227	(A)	346	360	(A)	456	475	(A)	710	738
	OHL Output Shaft (B)	(A)	1032	1032	(A)	1032	1032	(A)	1032	1032	(A)	1032	1032
8.40	Output RPM	411	208	138	411	208	138	411	208	138	411	208	138
	Input HP (Max) (C)	3.98	2.02	1.34	4.84	2.46	1.63	9.86	5.01	3.07	11.71	8.51	5.47
	Output Torque, In-Lb	611	611	611	743	744	743	1513	1514	1403	1797	2573	2498
	OHL Input Shaft	(A)	217	226	(A)	346	360	(A)	456	475	(A)	711	739
	OHL Output Shaft (B)	(A)	1032	1110	(A)	1032	1110	(A)	1032	1110	(A)	1032	1110
9.32	Output RPM	370	188	125	370	188	125	370	188	125	370	188	125
	Input HP (Max) (C)	3.98	2.02	1.34	4.85	2.46	1.63	9.86	5.01	2.95	10.92	7.67	5.08
	Output Torque, In-Lb	678	678	678	825	825	825	1679	1680	1496	1859	2573	2572
	OHL Input Shaft	(A)	219	228	(A)	346	360	(A)	455	475	(A)	712	740
	OHL Output Shaft (B)	(A)	1032	1110	(A)	1032	1110	(A)	1032	1110	(A)	1032	1110
10.15	Output RPM	340	172	114	340	172	114	340	172	114	340	172	114
	Input HP (Max) (C)	3.98	2.02	1.34	4.84	2.46	1.63	9.87	4.99	2.85	10.31	7.04	4.66
	Output Torque, In-Lb	738	738	738	898	899	898	1829	1825	1573	1912	2573	2572
	OHL Input Shaft	(A)	219	228	(A)	346	360	(A)	454	475	(A)	712	741
	OHL Output Shaft (B)	(A)	1032	1110	(A)	1032	1110	(A)	1032	1110	(A)	1032	1110
11.95	Output RPM	289	146	97	289	146	97	340	146	97	340	146	97
	Input HP (Max) (C)	3.98	2.02	1.34	4.85	2.46	1.63	9.86	5.01	3.24	12.95	8.70	5.94
	Output Torque, In-Lb	869	869	869	1058	1059	1058	2154	2155	2102	2827	3747	3855
	OHL Input Shaft	(A)	218	227	(A)	346	360	(A)	456	475	(A)	710	738
	OHL Output Shaft (B)	(A)	1110	1149	(A)	1110	1149	(A)	1110	1149	(A)	1110	1149
13.90	Output RPM	248	126	84	248	126	84	248	126	84	248	126	84
	Input HP (Max) (C)	3.98	2.02	1.34	4.84	2.46	1.63	9.86	5.01	3.07	11.71	7.83	5.27
	Output Torque, In-Lb	1011	1011	1011	1230	1231	1230	2504	2506	2321	2973	3921	3983
	OHL Input Shaft	(A)	218	227	(A)	346	360	(A)	456	475	(A)	711	740
	OHL Output Shaft (B)	1032	1110	1149	1032	1110	1149	1032	1110	1149	1032	1110	1149
15.42	Output RPM	224	113	75	224	113	75	224	113	75	224	113	75
	Input HP (Max) (C)	3.98	2.02	1.34	4.85	2.46	1.63	9.86	5.01	2.95	10.92	7.17	4.75
	Output Torque, In-Lb	1121	1122	1121	1365	1366	1365	2779	2780	2475	3077	3985	3983
	OHL Input Shaft	(A)	217	226	(A)	346	360	(A)	455	475	(A)	712	741
	OHL Output Shaft (B)	1032	1110	1149	1032	1110	1149	1032	1110	1149	1032	1110	1149
16.79	Output RPM	205	104	69	205	104	69	205	104	69	205	104	69
	Input HP (Max) (C)	3.98	2.02	1.34	4.84	2.46	1.63	9.86	4.99	2.85	10.31	6.59	4.37
	Output Torque, In-Lb	1221	1222	1221	1486	1487	1486	3026	3019	2603	3164	3985	3983
	OHL Input Shaft	(A)	219	228	(A)	346	360	(A)	454	475	(A)	713	742
	OHL Output Shaft (B)	1032	1110	1149	1032	1110	1149	1032	1110	1149	1032	1110	1149
18.78	Output RPM	184	93	62	184	93	62	184	93	62	184	93	62
	Input HP (Max) (C)	3.98	2.02	1.34	4.84	2.40	1.63	9.56	4.75	2.72	9.56	5.89	3.90
	Output Torque, In-Lb	1366	1366	1366	1662	1626	1662	3281	3216	2772	3281	3985	3983
	OHL Input Shaft	(A)	219	228	(A)	346	360	(A)	454	475	(A)	714	743
	OHL Output Shaft (B)	1032	1149	1226	1032	1149	1226	1032	1149	1226	1032	1149	1226

(A) (B) (C) - See Footnote page on inside back cover

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**RHB-21**



# SELECTION

## RIGHT ANGLE HELICAL BEVEL REDUCER (RHB) Service Factor 1.0 / Clamp Collar / 3 Pc Coupled / Separate Triple Reduction

SIZE: B\_483  
60HZ

NEMA MOTOR FRAME IEC MOTOR FRAME SEPARATE GROUP		56C 71D 71			--- 80D 80			140TC 90D 90			180TC 100D 100		
RATIO	OUTPUT RATING DATA	3450	1750	1160	3450	1750	1160	3450	1750	1160	3450	1750	1160
20.54	Output RPM	168	85	57	168	85	57	168	85	57	168	85	57
	Input HP (Max) (C)	3.98	2.02	1.33	4.85	2.26	1.63	9.00	4.56	2.61	9.00	5.39	3.57
	Output Torque, In-Lb	1489	1494	1482	1818	1675	1818	3378	3373	2909	3378	3985	3983
	OHL Input Shaft (A)	218	227	(A)	346	360	(A)	454	475	(A)	714	743	
	OHL Output Shaft (B)	1032	1149	1226	1032	1149	1226	1032	1149	1226	1032	1149	1226
22.54	Output RPM	153	78	52	153	78	52	153	78	52	153	78	52
	Input HP (Max) (C)	3.98	2.02	1.27	4.85	2.12	1.63	8.45	4.36	2.49	8.45	4.91	3.25
	Output Torque, In-Lb	1533	1640	1559	1995	1724	1995	3480	3540	3052	3480	3985	3983
	OHL Input Shaft (A)	217	227	(A)	346	360	(A)	454	475	(A)	708	738	
	OHL Output Shaft (B)	1110	1149	1226	1110	1149	1226	1110	1149	1226	1110	1149	1226
24.85	Output RPM	139	70	47	139	70	47	139	70	47	139	70	47
	Input HP (Max) (C)	3.98	1.98	1.21	4.85	1.98	1.63	7.91	4.15	2.37	7.91	4.45	2.95
	Output Torque, In-Lb	1577	1774	1640	2200	1774	2200	3589	3717	3205	3589	3985	3983
	OHL Input Shaft (A)	218	227	(A)	346	359	(A)	454	475	(A)	710	739	
	OHL Output Shaft (B)	1110	1149	1226	1110	1149	1226	1110	1149	1226	1110	1149	1226
27.55	Output RPM	125	64	42	125	64	42	125	64	42	125	64	42
	Input HP (Max) (C)	3.98	1.84	1.15	4.84	1.84	1.56	7.37	3.94	2.25	7.37	4.02	2.66
	Output Torque, In-Lb	1621	1824	1725	2438	1824	2336	3708	3909	3372	3708	3985	3983
	OHL Input Shaft (A)	217	227	(A)	346	359	(A)	453	475	(A)	711	739	
	OHL Output Shaft (B)	1110	1149	1226	1110	1149	1226	1110	1149	1226	1110	1149	1226
28.90	Output RPM	119	61	40	119	61	40	119	61	40	119	61	40
	Input HP (Max) (C)	3.98	2.02	1.34	4.85	2.46	1.63	6.70	3.83	2.54	6.70	3.83	2.54
	Output Torque, In-Lb	2101	2102	2101	2558	2559	2558	3535	3985	3983	3535	3985	3983
	OHL Input Shaft (A)	218	227	(A)	346	358	(A)	455	473	(A)	715	744	
	OHL Output Shaft (B)	1110	1226	1226	1110	1226	1226	1110	1226	1226	1110	1226	1226
33.60	Output RPM	103	52	35	103	52	35	103	52	35	103	52	35
	Input HP (Max) (C)	3.98	2.02	1.34	4.84	2.46	1.63	6.02	3.29	2.18	6.02	3.29	2.18
	Output Torque, In-Lb	2443	2444	2443	2974	2976	2974	3698	3985	3983	3698	3985	3983
	OHL Input Shaft (A)	218	226	(A)	346	360	(A)	456	474	(A)	715	744	
	OHL Output Shaft (B)	1110	1226	1591	1110	1226	1591	1110	1226	1591	1110	1226	1591
37.28	Output RPM	93	47	31	93	47	31	93	47	31	93	47	31
	Input HP (Max) (C)	3.98	2.02	1.34	4.85	2.46	1.63	5.60	2.97	1.97	5.60	2.97	1.97
	Output Torque, In-Lb	2711	2712	2711	3300	3302	3300	3815	3985	3983	3815	3985	3983
	OHL Input Shaft (A)	217	228	(A)	346	360	(A)	456	475	(A)	715	744	
	OHL Output Shaft (B)	1149	1226	1591	1149	1226	1591	1149	1226	1591	1149	1226	1591
40.60	Output RPM	85	43	29	85	43	29	85	43	29	85	43	29
	Input HP (Max) (C)	3.98	2.02	1.34	4.85	2.46	1.63	5.28	2.73	1.81	5.28	2.73	1.81
	Output Torque, In-Lb	2952	2954	2952	3594	3596	3594	3914	3985	3983	3914	3985	3983
	OHL Input Shaft (A)	219	228	(A)	346	360	(A)	457	475	(A)	715	744	
	OHL Output Shaft (B)	1149	1226	1591	1149	1226	1591	1149	1226	1591	1149	1226	1591
45.41	Output RPM	76	39	26	76	39	26	76	39	26	76	39	26
	Input HP (Max) (C)	3.98	2.02	1.34	4.80	2.44	1.61	4.80	2.44	1.61	4.80	2.44	1.61
	Output Torque, In-Lb	3301	3303	3301	3983	3985	3983	3983	3985	3983	3983	3985	3983
	OHL Input Shaft (A)	219	227	(A)	346	360	(A)	457	475	(A)	708	737	
	OHL Output Shaft (B)	1149	1591	1591	1149	1591	1591	1149	1591	1591	1149	1591	1591

(A) (B) (C) - See Footnote page on inside back cover

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# SELECTION

## RIGHT ANGLE HELICAL BEVEL REDUCER (RHB) Service Factor 1.0 / Clamp Collar / 3 Pc Coupled / Separate Triple Reduction

SIZE: B\_483  
60HZ

NEMA MOTOR FRAME IEC MOTOR FRAME SEPARATE GROUP		56C 71D 71			--- 80D 80			140TC 90D 90			180TC 100D 100		
RATIO	OUTPUT RATING DATA	3450	1750	1160	3450	1750	1160	3450	1750	1160	3450	1750	1160
49.65	Output RPM	70	35	23	70	35	23	70	35	23	70	35	23
	Input HP (Max) (C)	3.98	2.02	1.33	4.39	2.23	1.48	4.39	2.23	1.48	4.39	2.23	1.48
	Output Torque, In-Lb	3599	3612	3583	3983	3985	3983	3983	3985	3983	3983	3985	3983
	OHL Input Shaft (A)	(A)	218	227	(A)	346	360	(A)	457	475	(A)	(A)	738
	OHL Output Shaft (B)	1149	1591	1878	1149	1591	1878	1149	1591	1878	1149	1591	1878
54.49	Output RPM	63	32	21	63	32	21	63	32	21	63	32	21
	Input HP (Max) (C)	3.98	2.02	1.27	4.00	2.03	1.35	4.00	2.03	1.35	4.00	2.03	1.35
	Output Torque, In-Lb	3705	3964	3770	3983	3985	3983	3983	3985	3983	3983	3985	3983
	OHL Input Shaft (A)	(A)	217	227	(A)	346	360	(A)	457	476	(A)	(A)	740
	OHL Output Shaft (B)	1226	1591	1878	1226	1591	1878	1226	1591	1878	1226	1591	1878
60.08	Output RPM	57	29	19	57	29	19	57	29	19	57	29	19
	Input HP (Max) (C)	3.63	1.84	1.21	3.63	1.84	1.22	3.63	1.84	1.22	3.63	1.84	1.22
	Output Torque, In-Lb	3812	3985	3965	3983	3985	3983	3983	3985	3983	3983	3985	3983
	OHL Input Shaft (A)	(A)	218	226	(A)	346	360	(A)	457	476	(A)	(A)	741
	OHL Output Shaft (B)	1226	1591	1878	1226	1591	1878	1226	1591	1878	1226	1591	1878
66.60	Output RPM	52	26	17	52	26	17	52	26	17	52	26	17
	Input HP (Max) (C)	3.27	1.66	1.10	3.27	1.66	1.10	3.27	1.66	1.10	3.27	1.66	1.10
	Output Torque, In-Lb	3918	3985	3983	3983	3985	3983	3983	3985	3983	3983	3985	3983
	OHL Input Shaft (A)	(A)	217	227	(A)	346	360	(A)	457	476	(A)	(A)	741
	OHL Output Shaft (B)	1226	1591	1878	1226	1591	1878	1226	1591	1878	1226	1591	1878
75.45	Output RPM	46	23	15	46	23	15	46	23	15	46	23	15
	Input HP (Max) (C)	2.89	1.47	0.97	2.89	1.47	0.97	2.89	1.47	0.97	2.89	1.47	0.97
	Output Torque, In-Lb	3983	3985	3983	3983	3985	3983	3983	3985	3983	3983	3985	3983
	OHL Input Shaft (A)	(A)	218	228	(A)	346	360	(A)	453	471	(A)	(A)	742
	OHL Output Shaft (B)	1226	1878	1878	1226	1878	1878	1226	1878	1878	1226	1878	1878
83.25	Output RPM	41	21	14	41	21	14	41	21	14	41	21	14
	Input HP (Max) (C)	2.62	1.33	0.88	2.62	1.33	0.88	2.62	1.33	0.88	2.62	1.33	0.88
	Output Torque, In-Lb	3983	3985	3983	3983	3985	3983	3983	3985	3983	3983	3985	3983
	OHL Input Shaft (A)	(A)	219	228	(A)	346	360	(A)	453	472	(A)	(A)	742
	OHL Output Shaft (B)	1226	1878	1878	1226	1878	1878	1226	1878	1878	1226	1878	1878
94.12	Output RPM	37	19	12	37	19	12	37	19	12	37	19	12
	Input HP (Max) (C)	2.32	1.18	0.78	2.32	1.18	0.78	2.32	1.18	0.78	2.32	1.18	0.78
	Output Torque, In-Lb	3989	3985	3983	3983	3985	3983	3983	3985	3983	3983	3985	3983
	OHL Input Shaft (A)	(A)	219	228	(A)	343	357	(A)	454	473	(A)	(A)	743
	OHL Output Shaft (B)	1591	1878	1878	1591	1878	1878	1591	1878	1878	1591	1878	1878
107.47	Output RPM	32	16	11	32	16	11	32	16	11	-	-	-
	Input HP (Max) (C)	2.03	1.03	0.68	2.03	1.03	0.68	2.03	1.03	0.68	-	-	-
	Output Torque, In-Lb	3983	3985	3983	3983	3985	3983	3983	3985	3983	-	-	-
	OHL Input Shaft (A)	(A)	219	227	(A)	344	358	(A)	455	474	-	-	-
	OHL Output Shaft (B)	1591	1878	1878	1591	1878	1878	1591	1878	1878	-	-	-
122.19	Output RPM	28	14	10	28	14	10	28	14	10	-	-	-
	Input HP (Max) (C)	1.78	0.91	0.60	1.78	0.91	0.60	1.78	0.91	0.60	-	-	-
	Output Torque, In-Lb	3983	3985	3983	3983	3985	3983	3983	3985	3983	-	-	-
	OHL Input Shaft (A)	(A)	219	227	(A)	345	358	(A)	456	474	-	-	-
	OHL Output Shaft (B)	1591	1878	1878	1591	1878	1878	1591	1878	1878	-	-	-

(A) (B) (C) - See Footnote page on inside back cover

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# SELECTION

**RIGHT ANGLE HELICAL BEVEL REDUCER (RHB)**  
**Service Factor 1.0 / Clamp Collar / 3 Pc Coupled / Separate Triple Reduction**

**SIZE: B\_483**  
**60HZ**

NEMA MOTOR FRAME IEC MOTOR FRAME SEPARATE GROUP		56C 71D 71			--- 80D 80			140TC 90D 90			180TC 100D 100		
RATIO	OUTPUT RATING DATA	3450	1750	1160	3450	1750	1160	3450	1750	1160	3450	1750	1160
<b>130.78</b>	Output RPM	26	<b>13</b>	9	26	<b>13</b>	9	26	<b>13</b>	9	-	-	-
	Input HP (Max) (C)	1.67	<b>0.85</b>	0.56	1.67	<b>0.85</b>	0.56	1.67	<b>0.85</b>	0.56	-	-	-
	Output Torque, In-Lb	3983	<b>3985</b>	3983	3983	<b>3985</b>	3983	3983	<b>3985</b>	3983	-	-	-
	OHL Input Shaft OHL Output Shaft (B)	(A) 1591	<b>220</b> <b>1878</b>	227 1878	(A) 1591	<b>345</b> <b>1878</b>	359 1878	(A) 1591	<b>456</b> <b>1878</b>	474 1878	- -	- -	- -
<b>150.76</b>	Output RPM	23	<b>12</b>	8	23	<b>12</b>	8	-	-	-	-	-	-
	Input HP (Max) (C)	1.45	<b>0.73</b>	0.49	1.45	<b>0.73</b>	0.49	-	-	-	-	-	-
	Output Torque, In-Lb	3983	<b>3985</b>	3983	3983	<b>3985</b>	3983	-	-	-	-	-	-
	OHL Input Shaft OHL Output Shaft (B)	(A) 1878	<b>218</b> <b>1878</b>	228 1878	(A) 1878	<b>345</b> <b>1878</b>	359 1878	- -	- -	- -	- -	- -	- -
<b>169.53</b>	Output RPM	20	<b>10</b>	7	-	-	-	-	-	-	-	-	-
	Input HP (Max) (C)	1.29	<b>0.65</b>	0.43	-	-	-	-	-	-	-	-	-
	Output Torque, In-Lb	3983	<b>3985</b>	3983	-	-	-	-	-	-	-	-	-
	OHL Input Shaft OHL Output Shaft (B)	(A) 1878	<b>219</b> <b>1878</b>	228 1878	- -	- -	- -	- -	- -	- -	- -	- -	- -

Notes:

(A) (B) (C) - See Footnote page on inside back cover

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# SELECTION

## RIGHT ANGLE HELICAL BEVEL REDUCER (RHB) Service Factor 1.0 / Clamp Collar / 3 Pc Coupled / Separate Triple Reduction

SIZE: B\_683  
60HZ

NEMA MOTOR FRAME IEC MOTOR FRAME SEPARATE GROUP		56C 71D 71			--- 80D 80			140TC 90D 90			180TC 100D 100			--- 112D 112		
RATIO	OUTPUT RATING DATA	3450	1750	1160	3450	1750	1160	3450	1750	1160	3450	1750	1160	3450	1750	1160
5.36	Output RPM	-	-	-	644	326	216	644	326	216	644	326	216	644	326	216
	Input HP (Max) (C)	-	-	-	4.85	2.46	1.63	9.86	5.01	3.32	20.42	10.36	6.87	23.72	13.88	9.19
	Output Torque, In-Lb	-	-	-	475	475	475	966	967	966	2000	2001	2000	2323	2679	2678
	OHL Input Shaft	-	-	-	(A)	346	360	(A)	453	471	(A)	711	740	(A)	840	875
	OHL Output Shaft (B)	-	-	-	(A)	2503	2503	(A)	2503	2503	(A)	2503	2503	(A)	2503	2503
6.44	Output RPM	-	-	-	536	272	180	536	272	180	536	272	180	536	272	180
	Input HP (Max) (C)	-	-	-	4.85	2.46	1.63	9.86	5.01	3.32	20.42	10.36	6.87	20.98	13.88	9.19
	Output Torque, In-Lb	-	-	-	570	570	570	1161	1161	1161	2403	2404	2403	2469	3219	3217
	OHL Input Shaft	-	-	-	(A)	346	360	(A)	454	472	(A)	708	737	(A)	835	871
	OHL Output Shaft (B)	-	-	-	(A)	2503	2503	(A)	2503	2503	(A)	2503	2503	(A)	2503	2503
7.58	Output RPM	-	-	-	455	231	153	455	231	153	455	231	153	455	231	153
	Input HP (Max) (C)	-	-	-	4.85	2.46	1.60	9.86	5.00	3.32	18.80	10.36	6.87	18.80	13.88	8.79
	Output Torque, In-Lb	-	-	-	671	672	671	1366	1367	1366	2604	2830	2829	2604	3790	3621
	OHL Input Shaft	-	-	-	(A)	346	360	(A)	452	471	(A)	709	739	(A)	835	875
	OHL Output Shaft (B)	-	-	-	(A)	2503	2503	(A)	2503	2503	(A)	2503	2503	(A)	2503	2503
8.50	Output RPM	406	206	137	406	206	137	406	206	137	406	206	137	406	206	137
	Input HP (Max) (C)	3.98	2.02	1.34	4.85	2.46	1.63	9.86	5.01	3.32	17.41	10.36	6.87	17.41	13.88	8.14
	Output Torque, In-Lb	618	618	618	752	753	752	1531	1532	1531	2702	3171	3170	2702	4246	3757
	OHL Input Shaft	(A)	215	227	(A)	346	360	(A)	456	474	(A)	706	736	(A)	837	871
	OHL Output Shaft (B)	2503	2503	2503	2503	2503	2503	2503	2503	2503	2503	2503	2503	2503	2503	2503
9.52	Output RPM	362	184	122	362	184	122	362	184	122	362	184	122	362	184	122
	Input HP (Max) (C)	3.98	2.02	1.34	4.85	2.46	1.63	9.86	5.01	3.32	16.11	10.36	6.86	16.11	13.76	7.53
	Output Torque, In-Lb	692	693	692	843	843	843	1716	1717	1716	2803	3554	3552	2803	4721	3897
	OHL Input Shaft	(A)	217	226	(A)	346	360	(A)	456	474	(A)	711	740	(A)	838	872
	OHL Output Shaft (B)	2503	2503	2503	2503	2503	2503	2503	2503	2503	2503	2503	2503	2503	2503	2503
10.40	Output RPM	332	168	112	332	168	112	332	168	112	332	168	112	332	168	112
	Input HP (Max) (C)	3.98	2.02	1.34	4.85	2.46	1.63	9.86	5.01	3.32	15.18	10.36	6.87	15.18	12.94	7.10
	Output Torque, In-Lb	756	756	756	920	921	920	1873	1874	1873	2883	3880	3878	2883	4846	4008
	OHL Input Shaft	(A)	218	226	(A)	346	360	(A)	455	474	(A)	708	738	(A)	839	873
	OHL Output Shaft (B)	2503	2503	2503	2503	2503	2503	2503	2503	2503	2503	2503	2503	2503	2503	2503
11.94	Output RPM	-	-	-	289	147	97	289	147	97	289	147	97	289	147	97
	Input HP (Max) (C)	-	-	-	4.85	2.46	1.63	9.86	5.01	3.32	20.42	10.36	6.87	20.49	13.71	9.19
	Output Torque, In-Lb	-	-	-	1057	1058	1057	2152	2153	2152	4455	4458	4455	4471	5896	5965
	OHL Input Shaft	-	-	-	(A)	346	360	(A)	453	471	(A)	709	740	(A)	840	875
	OHL Output Shaft (B)	-	-	-	2503	2503	2503	2503	2503	2503	2503	2503	2503	2503	2503	2503
14.35	Output RPM	-	-	-	240	122	81	240	122	81	240	122	81	240	122	81
	Input HP (Max) (C)	-	-	-	4.85	2.46	1.63	9.86	5.01	3.32	18.02	10.36	6.86	18.02	12.06	8.43
	Output Torque, In-Lb	-	-	-	1270	1271	1270	2585	2587	2585	4724	5355	5352	4724	6231	6569
	OHL Input Shaft	-	-	-	(A)	346	360	(A)	454	472	(A)	709	737	(A)	842	875
	OHL Output Shaft (B)	-	-	-	2503	2503	2503	2503	2503	2503	2503	2503	2503	2503	2503	2503
16.89	Output RPM	-	-	-	204	104	69	204	104	69	204	104	69	204	104	69
	Input HP (Max) (C)	-	-	-	4.85	2.46	1.63	9.86	5.01	3.32	16.08	10.36	6.87	16.08	10.75	7.52
	Output Torque, In-Lb	-	-	-	1495	1496	1495	3044	3046	3044	4962	6305	6302	4962	6543	6899
	OHL Input Shaft	-	-	-	(A)	346	360	(A)	452	471	(A)	710	739	(A)	843	877
	OHL Output Shaft (B)	-	-	-	2503	2503	2503	2503	2503	2503	2503	2503	2503	2503	2503	2503

(A) (B) (C) - See Footnote page on inside back cover

Blank areas (-) indicate configuration not available

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# SELECTION

## RIGHT ANGLE HELICAL BEVEL REDUCER (RHB) Service Factor 1.0 / Clamp Collar / 3 Pc Coupled / Separate Triple Reduction

SIZE: B\_683  
60HZ

NEMA MOTOR FRAME IEC MOTOR FRAME SEPARATE GROUP		56C 71D 71			--- 80D 80			140TC 90D 90			180TC 100D 100			--- 112D 112		
RATIO	OUTPUT RATING DATA	3450	1750	1160	3450	1750	1160	3450	1750	1160	3450	1750	1160	3450	1750	1160
18.93	Output RPM	182	92	61	182	92	61	182	92	61	182	92	61	182	92	61
	Input HP (Max) (C)	3.98	2.02	1.34	4.85	2.46	1.63	9.86	5.01	3.32	14.85	9.93	6.87	14.85	9.93	6.94
	Output Torque, In-Lb	1376	1377	1376	1675	1676	1675	3411	3413	3411	5134	6770	7061	5134	6770	7138
	OHL Input Shaft (A)	215	227	(A)	346	360	(A)	456	474	(A)	710	736	(A)	843	877	
	OHL Output Shaft (B)	2503	2503	2503	2503	2503	2503	2503	2503	2503	2503	2503	2503	2503	2503	2503
21.22	Output RPM	163	82	55	163	82	55	163	82	55	163	82	55	163	82	55
	Input HP (Max) (C)	3.98	2.02	1.34	4.85	2.46	1.63	9.86	5.01	3.32	13.71	9.17	6.30	13.71	9.17	6.30
	Output Torque, In-Lb	1542	1543	1542	1878	1879	1878	3823	3825	3823	5313	7005	7258	5313	7005	7258
	OHL Input Shaft (A)	217	226	(A)	346	360	(A)	456	474	(A)	707	737	(A)	844	878	
	OHL Output Shaft (B)	2503	2503	2503	2503	2503	2503	2503	2503	2503	2503	2503	2503	2503	2503	2503
23.16	Output RPM	149	76	50	149	76	50	149	76	50	149	76	50	149	76	50
	Input HP (Max) (C)	3.98	2.02	1.34	4.85	2.46	1.63	9.86	5.01	3.32	12.89	8.62	5.77	12.89	8.62	5.77
	Output Torque, In-Lb	1684	1685	1684	2050	2051	2050	4173	4175	4173	5454	7192	7258	5454	7192	7258
	OHL Input Shaft (A)	218	226	(A)	346	360	(A)	455	474	(A)	709	739	(A)	844	878	
	OHL Output Shaft (B)	2503	2503	2503	2503	2503	2503	2503	2503	2503	2503	2503	2503	2503	2503	2503
25.42	Output RPM	136	69	46	136	69	46	136	69	46	136	69	46	136	69	46
	Input HP (Max) (C)	3.98	2.02	1.34	4.85	2.46	1.63	9.86	5.01	3.32	12.08	7.93	5.25	12.08	7.93	5.25
	Output Torque, In-Lb	1848	1849	1848	2250	2251	2250	4581	4583	4581	5609	7262	7258	5609	7262	7258
	OHL Input Shaft (A)	218	228	(A)	346	360	(A)	454	473	(A)	711	737	(A)	844	879	
	OHL Output Shaft (B)	2503	2503	2503	2503	2503	2503	2503	2503	2503	2503	2503	2503	2503	2503	2503
27.99	Output RPM	123	63	41	123	63	41	123	63	41	123	63	41	123	63	41
	Input HP (Max) (C)	3.98	2.02	1.35	4.85	2.46	1.63	9.86	5.01	3.32	11.29	7.20	4.77	11.29	7.20	4.77
	Output Torque, In-Lb	2035	2036	2035	2478	2479	2478	5044	5047	5044	5773	7262	7258	5773	7262	7258
	OHL Input Shaft (A)	217	227	(A)	346	360	(A)	453	472	(A)	713	739	(A)	836	871	
	OHL Output Shaft (B)	2503	2503	2503	2503	2503	2503	2503	2503	2503	2503	2503	2503	2503	2503	2503
30.38	Output RPM	114	58	38	114	58	38	114	58	38	114	58	38	114	58	38
	Input HP (Max) (C)	3.98	2.02	1.34	4.85	2.46	1.63	9.86	5.01	3.32	10.66	6.64	4.40	10.66	6.42	4.40
	Output Torque, In-Lb	2209	2210	2209	2689	2691	2689	5474	5478	5474	5916	7262	7258	5916	7027	7258
	OHL Input Shaft (A)	218	227	(A)	346	360	(A)	452	470	(A)	714	740	(A)	838	873	
	OHL Output Shaft (B)	2503	2503	2503	2503	2503	2503	2503	2503	2503	2503	2503	2503	2503	2503	2503
32.78	Output RPM	-	-	-	105	53	35	105	53	35	105	53	35	105	53	35
	Input HP (Max) (C)	-	-	-	4.85	2.46	1.63	8.90	5.01	3.32	8.90	5.95	4.07	8.90	6.15	4.07
	Output Torque, In-Lb	-	-	-	2902	2903	2902	5332	5910	5907	5332	7027	7258	5332	7262	7258
	OHL Input Shaft (A)	-	-	-	(A)	346	360	(A)	453	471	(A)	714	742	(A)	845	879
	OHL Output Shaft (B)	-	-	-	2503	2503	2503	2503	2503	2503	2503	2503	2503	2503	2503	2503
39.39	Output RPM	-	-	-	88	44	30	88	44	30	88	44	30	88	44	30
	Input HP (Max) (C)	-	-	-	4.85	2.46	1.63	7.83	5.01	3.32	7.83	5.12	3.39	7.83	5.12	3.39
	Output Torque, In-Lb	-	-	-	3486	3488	3486	5633	7101	7096	5633	7262	7258	5633	7262	7258
	OHL Input Shaft (A)	-	-	-	(A)	346	360	(A)	454	472	(A)	715	743	(A)	845	879
	OHL Output Shaft (B)	-	-	-	2503	2503	2503	2503	2503	2503	2503	2503	2503	2503	2503	2503
46.37	Output RPM	-	-	-	74	38	25	74	38	25	74	38	25	74	38	25
	Input HP (Max) (C)	-	-	-	4.85	2.46	1.63	6.98	4.35	2.88	6.98	4.35	2.88	6.98	4.35	2.88
	Output Torque, In-Lb	-	-	-	4104	4107	4104	5915	7262	7258	5915	7262	7258	5915	7262	7258
	OHL Input Shaft (A)	-	-	-	(A)	346	360	(A)	453	472	(A)	715	743	(A)	845	879
	OHL Output Shaft (B)	-	-	-	2503	2503	2503	2503	2503	2503	2503	2503	2503	2503	2503	2503

(A) (B) (C) - See Footnote page on inside back cover

Blank areas (-) indicate configuration not available

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# SELECTION

## RIGHT ANGLE HELICAL BEVEL REDUCER (RHB) Service Factor 1.0 / Clamp Collar / 3 Pc Coupled / Separate Triple Reduction

SIZE: B\_683  
60HZ

NEMA MOTOR FRAME IEC MOTOR FRAME SEPARATE GROUP		56C 71D 71			--- 80D 80			140TC 90D 90			180TC 100D 100			--- 112D 112		
RATIO	OUTPUT RATING DATA	3450	1750	1160	3450	1750	1160	3450	1750	1160	3450	1750	1160	3450	1750	1160
51.96	Output RPM	66	34	22	66	34	22	66	34	22	66	34	22	66	34	22
	Input HP (Max) (C)	3.98	2.02	1.34	4.85	2.46	1.63	6.45	3.88	2.57	6.45	3.88	2.57	6.45	3.88	2.57
	Output Torque, In-Lb	3778	3780	3778	4599	4602	4599	6121	7262	7258	6121	7262	7258	6121	7262	7258
	OHL Input Shaft	(A)	215	227	(A)	346	360	(A)	455	473	(A)	715	744	(A)	845	871
	OHL Output Shaft (B)	2503	2503	2503	2503	2503	2503	2503	2503	2503	2503	2503	2503	2503	2503	2503
58.23	Output RPM	59	30	20	59	30	20	59	30	20	59	30	20	59	30	20
	Input HP (Max) (C)	3.98	2.02	1.34	4.85	2.46	1.63	5.95	3.46	2.29	5.95	3.46	2.29	5.95	3.46	2.29
	Output Torque, In-Lb	4234	4236	4234	5154	5157	5154	6334	7262	7258	6334	7262	7258	6334	7262	7258
	OHL Input Shaft	(A)	217	226	(A)	346	360	(A)	456	474	(A)	715	744	(A)	837	873
	OHL Output Shaft (B)	2503	2503	2503	2503	2503	2503	2503	2503	2503	2503	2503	2503	2503	2503	2503
63.57	Output RPM	54	28	18	54	28	18	54	28	18	54	28	18	54	28	18
	Input HP (Max) (C)	3.98	2.02	1.34	4.85	2.46	1.63	5.60	3.17	2.10	5.60	3.17	2.10	5.60	3.17	2.10
	Output Torque, In-Lb	4622	4624	4622	5627	5630	5627	6503	7262	7258	6503	7262	7258	6503	7262	7258
	OHL Input Shaft	(A)	218	226	(A)	346	360	(A)	456	474	(A)	708	744	(A)	839	873
	OHL Output Shaft (B)	2503	2503	2503	2503	2503	2503	2503	2503	2503	2503	2503	2503	2503	2503	2503
69.78	Output RPM	49	25	17	49	25	17	49	25	17	49	25	17	49	25	17
	Input HP (Max) (C)	3.98	2.02	1.34	4.85	2.46	1.63	5.25	2.89	1.91	5.25	2.89	1.91	5.25	2.89	1.91
	Output Torque, In-Lb	5073	5076	5073	6176	6180	6176	6688	7262	7258	6688	7262	7258	6688	7262	7258
	OHL Input Shaft	(A)	218	228	(A)	346	360	(A)	456	475	(A)	709	744	(A)	840	874
	OHL Output Shaft (B)	2503	2503	2503	2503	2503	2503	2503	2503	2503	2503	2503	2503	2503	2503	2503
76.84	Output RPM	45	23	15	45	23	15	45	23	15	45	23	15	45	23	15
	Input HP (Max) (C)	3.98	2.02	1.34	4.85	2.46	1.63	4.90	2.62	1.74	4.90	2.62	1.74	4.90	2.62	1.74
	Output Torque, In-Lb	5586	5590	5586	6801	6805	6801	6883	7262	7258	6883	7262	7258	6883	7262	7258
	OHL Input Shaft	(A)	217	227	(A)	346	360	(A)	457	475	(A)	709	737	(A)	841	876
	OHL Output Shaft (B)	2503	2503	2503	2503	2503	2503	2503	2503	2503	2503	2503	2503	2503	2503	2503
83.40	Output RPM	41	21	14	41	21	14	41	21	14	41	21	14	41	21	14
	Input HP (Max) (C)	3.98	2.02	1.34	4.63	2.42	1.60	4.63	2.42	1.60	4.63	2.42	1.60	4.63	2.42	1.60
	Output Torque, In-Lb	6063	6067	6063	7055	7262	7258	7055	7262	7258	7055	7262	7258	7055	7262	7258
	OHL Input Shaft	(A)	218	227	(A)	346	360	(A)	457	475	(A)	710	737	(A)	842	876
	OHL Output Shaft (B)	2503	2503	2503	2503	2503	2503	2503	2503	2503	2503	2503	2503	2503	2503	2503
90.89	Output RPM	38	19	13	38	19	13	38	19	13	38	19	13	38	19	13
	Input HP (Max) (C)	3.98	2.02	1.34	4.36	2.22	1.47	4.36	2.22	1.47	4.36	2.22	1.47	4.36	2.22	1.47
	Output Torque, In-Lb	6418	6612	6608	7239	7262	7258	7239	7262	7258	7239	7262	7258	7239	7262	7258
	OHL Input Shaft	(A)	218	226	(A)	346	360	(A)	457	476	(A)	708	738	(A)	842	877
	OHL Output Shaft (B)	2503	2503	2503	2503	2503	2503	2503	2503	2503	2503	2503	2503	2503	2503	2503
99.55	Output RPM	35	18	12	35	18	12	35	18	12	35	18	12	35	18	12
	Input HP (Max) (C)	3.98	1.97	1.31	3.99	2.03	1.34	3.99	2.03	1.34	3.99	2.03	1.34	3.99	2.03	1.34
	Output Torque, In-Lb	6559	7046	7069	7258	7262	7258	7258	7262	7258	7258	7262	7258	7258	7262	7258
	OHL Input Shaft	(A)	217	227	(A)	346	360	(A)	457	476	(A)	709	739	(A)	843	877
	OHL Output Shaft (B)	2503	2503	2503	2503	2503	2503	2503	2503	2503	2503	2503	2503	2503	2503	2503
109.64	Output RPM	32	16	11	32	16	11	32	16	11	32	16	11	32	16	11
	Input HP (Max) (C)	3.62	1.82	1.22	3.62	1.84	1.22	3.62	1.84	1.22	3.62	1.84	1.22	3.62	1.84	1.22
	Output Torque, In-Lb	6699	7197	7258	7258	7262	7258	7258	7262	7258	7258	7262	7258	7258	7262	7258
	OHL Input Shaft	(A)	209	219	(A)	346	360	(A)	457	476	(A)	709	740	(A)	843	878
	OHL Output Shaft (B)	2503	2503	2503	2503	2503	2503	2503	2503	2503	2503	2503	2503	2503	2503	2503

(A) (B) (C) - See Footnote page on inside back cover

Blank areas ( - ) indicate configuration not available

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# SELECTION

## RIGHT ANGLE HELICAL BEVEL REDUCER (RHB) Service Factor 1.0 / Clamp Collar / 3 Pc Coupled / Separate Triple Reduction

SIZE: B\_683  
60HZ

NEMA MOTOR FRAME IEC MOTOR FRAME SEPARATE GROUP		56C 71D 71			--- 80D 80			140TC 90D 90			180TC 100D 100			--- 112D 112		
RATIO	OUTPUT RATING DATA	3450	1750	1160	3450	1750	1160	3450	1750	1160	3450	1750	1160	3450	1750	1160
126.09	Output RPM	27	14	9	27	14	9	27	14	9	27	14	9	27	14	9
	Input HP (Max) (C)	3.15	1.60	1.06	3.15	1.60	1.06	3.15	1.60	1.06	3.15	1.60	1.06	3.15	1.60	1.06
	Output Torque, In-Lb	6890	7262	7258	7258	7262	7258	7258	7262	7258	7258	7262	7258	7258	7262	7258
	OHL Input Shaft OHL Output Shaft (B)	(A) 2503	210 2503	219 2503	(A) 2503	346 2503	360 2503	(A) 2503	457 2503	476 2503	(A) 2503	710 2503	741 2503	(A) 2503	844 2503	878 2503
136.60	Output RPM	25	13	9	25	13	9	25	13	9	25	13	9	25	13	9
	Input HP (Max) (C)	2.91	1.48	0.98	2.91	1.48	0.98	2.91	1.48	0.98	2.91	1.48	0.98	2.91	1.48	0.98
	Output Torque, In-Lb	6992	7262	7258	7258	7262	7258	7258	7262	7258	7258	7262	7258	7258	7262	7258
	OHL Input Shaft OHL Output Shaft (B)	(A) 2503	209 2503	219 2503	(A) 2503	346 2503	360 2503	(A) 2503	457 2503	476 2503	(A) 2503	709 2503	741 2503	(A) 2503	844 2503	879 2503
150.98	Output RPM	23	12	8	23	12	8	23	12	8	23	12	8	-	-	-
	Input HP (Max) (C)	2.63	1.34	0.88	2.63	1.34	0.88	2.63	1.34	0.88	2.63	1.34	0.88	-	-	-
	Output Torque, In-Lb	7112	7262	7258	7258	7262	7258	7258	7262	7258	7258	7262	7258	-	-	-
	OHL Input Shaft OHL Output Shaft (B)	(A) 2503	210 2503	218 2503	(A) 2503	346 2503	360 2503	(A) 2503	453 2503	472 2503	(A) 2503	710 2503	742 2503	-	-	-
176.14	Output RPM	20	10	7	20	10	7	20	10	7	-	-	-	-	-	-
	Input HP (Max) (C)	2.26	1.14	0.76	2.26	1.14	0.76	2.26	1.14	0.76	-	-	-	-	-	-
	Output Torque, In-Lb	7258	7262	7258	7258	7262	7258	7258	7262	7258	-	-	-	-	-	-
	OHL Input Shaft OHL Output Shaft (B)	(A) 2503	211 2503	218 2503	(A) 2503	343 2503	357 2503	(A) 2503	455 2503	473 2503	-	-	-	-	-	-
196.07	Output RPM	18	9	6	18	9	6	18	9	6	-	-	-	-	-	-
	Input HP (Max) (C)	2.03	1.03	0.68	2.03	1.03	0.68	2.03	1.03	0.68	-	-	-	-	-	-
	Output Torque, In-Lb	7258	7262	7258	7258	7262	7258	7258	7262	7258	-	-	-	-	-	-
	OHL Input Shaft OHL Output Shaft (B)	(A) 2503	211 2503	220 2503	(A) 2503	344 2503	357 2503	(A) 2503	455 2503	473 2503	-	-	-	-	-	-
215.68	Output RPM	16	8	5	16	8	5	16	8	5	-	-	-	-	-	-
	Input HP (Max) (C)	1.84	0.93	0.62	1.84	0.93	0.62	1.84	0.93	0.62	-	-	-	-	-	-
	Output Torque, In-Lb	7258	7262	7258	7258	7262	7258	7258	7262	7258	-	-	-	-	-	-
	OHL Input Shaft OHL Output Shaft (B)	(A) 2503	211 2503	219 2503	(A) 2503	344 2503	358 2503	(A) 2503	455 2503	474 2503	-	-	-	-	-	-
243.72	Output RPM	14	7	5	14	7	5	-	-	-	-	-	-	-	-	-
	Input HP (Max) (C)	1.63	0.83	0.55	1.63	0.83	0.55	-	-	-	-	-	-	-	-	-
	Output Torque, In-Lb	7258	7262	7258	7258	7262	7258	-	-	-	-	-	-	-	-	-
	OHL Input Shaft OHL Output Shaft (B)	(A) 2503	211 2503	220 2503	(A) 2503	345 2503	358 2503	-	-	-	-	-	-	-	-	-

Notes:

(A) (B) (C) - See Footnote page on inside back cover

Blank areas (-) indicate configuration not available

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# SELECTION

## RIGHT ANGLE HELICAL BEVEL REDUCER (RHB) Service Factor 1.0 / Clamp Collar / 3 Pc Coupled / Separate Triple Reduction

SIZE: B\_883  
60HZ

NEMA MOTOR FRAME IEC MOTOR FRAME SEPARATE GROUP		56C 71D 71			--- 80D 80			140TC 90D 90			180TC 100D 100			--- 112D 112			210TC 132D 132		
RATIO	OUTPUT RATING DATA	3450	1750	1160	3450	1750	1160	3450	1750	1160	3450	1750	1160	3450	1750	1160	3450	1750	1160
5.54	Output RPM	-	-	-	-	-	-	-	-	-	622	316	209	622	316	209	622	316	209
	Input HP (Max) (C)	-	-	-	-	-	-	-	-	-	20.42	10.36	6.87	27.34	13.88	9.19	42.96	26.94	15.00
	Output Torque, In-Lb	-	-	-	-	-	-	-	-	-	2068	2069	2068	2769	2770	2769	4350	5377	4518
	OHL Input Shaft	-	-	-	-	-	-	-	-	-	(A)	713	742	(A)	843	877	(A)	947	994
	OHL Output Shaft (B)	-	-	-	-	-	-	-	-	-	(A)	4505	4512	(A)	4505	4512	(A)	4505	4512
6.69	Output RPM	-	-	-	-	-	-	-	-	-	516	262	173	516	262	173	516	262	173
	Input HP (Max) (C)	-	-	-	-	-	-	-	-	-	20.42	10.36	6.87	27.34	13.88	9.19	37.92	25.39	14.14
	Output Torque, In-Lb	-	-	-	-	-	-	-	-	-	2495	2496	2495	3340	3342	3340	4633	6116	5139
	OHL Input Shaft	-	-	-	-	-	-	-	-	-	(A)	713	742	(A)	843	877	(A)	946	994
	OHL Output Shaft (B)	-	-	-	-	-	-	-	-	-	(A)	4505	4512	(A)	4505	4512	(A)	4505	4512
8.03	Output RPM	-	-	-	430	218	145	430	218	145	430	218	145	430	218	145	430	218	145
	Input HP (Max) (C)	-	-	-	4.85	2.46	1.63	9.86	5.01	3.32	20.42	10.36	6.87	27.34	13.88	8.76	33.57	23.75	13.23
	Output Torque, In-Lb	-	-	-	710	711	710	1446	1447	1446	2994	2995	2994	4008	4011	3820	4922	6865	5769
	OHL Input Shaft	-	-	-	(A)	346	360	(A)	453	471	(A)	711	740	(A)	840	876	(A)	948	995
	OHL Output Shaft (B)	-	-	-	(A)	4512	4512	(A)	4512	4512	(A)	4512	4512	(A)	4512	4512	(A)	4512	4512
9.41	Output RPM	-	-	-	367	186	123	367	186	123	367	186	123	367	186	123	367	186	123
	Input HP (Max) (C)	-	-	-	4.85	2.46	1.63	9.86	5.01	3.32	20.42	10.36	6.62	27.34	13.88	8.26	30.16	22.21	12.37
	Output Torque, In-Lb	-	-	-	833	833	833	1695	1696	1695	3509	3511	3385	4699	4701	4224	5184	7526	6325
	OHL Input Shaft	-	-	-	(A)	346	360	(A)	454	472	(A)	707	739	(A)	836	876	(A)	951	995
	OHL Output Shaft (B)	-	-	-	4505	4512	4512	4505	4512	4512	4505	4512	4512	4505	4512	4512	4505	4512	4512
11.64	Output RPM	-	-	-	-	-	-	-	-	-	296	150	100	296	150	100	296	150	100
	Input HP (Max) (C)	-	-	-	-	-	-	-	-	-	20.42	10.36	6.87	27.34	13.88	9.19	35.95	26.93	15.00
	Output Torque, In-Lb	-	-	-	-	-	-	-	-	-	4342	4344	4342	5814	5817	5814	7645	11290	9486
	OHL Input Shaft	-	-	-	-	-	-	-	-	-	(A)	713	742	(A)	843	877	(A)	947	994
	OHL Output Shaft (B)	-	-	-	-	-	-	-	-	-	4505	4512	4512	4505	4512	4512	4505	4512	4512
14.04	Output RPM	-	-	-	-	-	-	-	-	-	246	125	83	246	125	83	246	125	83
	Input HP (Max) (C)	-	-	-	-	-	-	-	-	-	20.42	10.36	6.87	27.34	13.88	9.19	31.53	24.90	14.14
	Output Torque, In-Lb	-	-	-	-	-	-	-	-	-	5238	5241	5238	7014	7018	7014	8089	12592	10791
	OHL Input Shaft	-	-	-	-	-	-	-	-	-	(A)	713	742	(A)	843	877	(A)	948	994
	OHL Output Shaft (B)	-	-	-	-	-	-	-	-	-	4512	4512	4512	4512	4512	4512	4512	4512	4512
16.85	Output RPM	-	-	-	205	104	69	205	104	69	205	104	69	205	104	69	205	104	69
	Input HP (Max) (C)	-	-	-	4.85	2.46	1.63	9.86	5.01	3.32	20.42	10.36	6.87	27.34	13.88	8.76	27.75	21.91	12.97
	Output Torque, In-Lb	-	-	-	1492	1492	1492	3036	3038	3036	6286	6290	6286	8417	8422	8021	8544	13299	11879
	OHL Input Shaft	-	-	-	(A)	346	360	(A)	453	471	(A)	711	740	(A)	840	876	(A)	951	995
	OHL Output Shaft (B)	-	-	-	4512	4512	4512	4512	4512	4512	4512	4512	4512	4512	4512	4512	4512	4512	4512
19.75	Output RPM	-	-	-	175	89	59	175	89	59	175	89	59	175	89	59	175	89	59
	Input HP (Max) (C)	-	-	-	4.85	2.46	1.63	9.86	5.01	3.32	20.42	10.36	6.62	24.83	13.88	8.26	24.83	19.60	11.61
	Output Torque, In-Lb	-	-	-	1748	1749	1748	3559	3561	3559	7368	7373	7108	8960	9872	8870	8960	13947	12458
	OHL Input Shaft	-	-	-	(A)	346	360	(A)	454	472	(A)	707	739	(A)	836	876	(A)	953	996
	OHL Output Shaft (B)	-	-	-	4512	4512	4512	4512	4512	4512	4512	4512	4512	4512	4512	4512	4512	4512	4512
23.54	Output RPM	-	-	-	147	74	49	147	74	49	147	74	49	147	74	49	147	74	49
	Input HP (Max) (C)	-	-	-	4.85	2.46	1.63	9.86	5.01	3.32	20.42	10.36	6.18	21.96	13.75	7.68	21.96	17.23	10.27
	Output Torque, In-Lb	-	-	-	2084	2085	2084	4242	4244	4242	8782	8787	7904	9444	11656	9825	9444	14612	13131
	OHL Input Shaft	-	-	-	(A)	346	360	(A)	456	474	(A)	708	738	(A)	838	853	(A)	955	996
	OHL Output Shaft (B)	-	-	-	4512	4512	4512	4512	4512	4512	4512	4512	4512	4512	4512	4512	4512	4512	4512

(A) (B) (C) - See Footnote page on inside back cover

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# SELECTION

## RIGHT ANGLE HELICAL BEVEL REDUCER (RHB) Service Factor 1.0 / Clamp Collar / 3 Pc Coupled / Separate Triple Reduction

**SIZE: B\_883  
60HZ**

NEMA MOTOR FRAME IEC MOTOR FRAME SEPARATE GROUP		56C 71D 71			--- 80D 80			140TC 90D 90			180TC 100D 100			--- 112D 112			210TC 132D 132		
RATIO	OUTPUT RATING DATA	3450	1750	1160	3450	1750	1160	3450	1750	1160	3450	1750	1160	3450	1750	1160	3450	1750	1160
25.53	Output RPM	135	69	45	135	69	45	135	69	45	135	26	45	135	69	45	135	69	45
	Input HP (Max) (C)	3.98	2.02	1.34	4.85	2.46	1.63	986.00	5.01	3.25	20.42	10.36	5.96	20.75	13.25	7.40	20.75	15.89	9.70
	Output Torque, In-Lb	1856	1857	1856	2260	2261	2260	4601	4603	4511	9524	9530	8275	9677	12185	10272	9677	14612	13455
	OHL Input Shaft OHL Output Shaft (B)	(A) 4512 4512	218 4512	225 4512	(A) 4512 4512	346 4512	360 4512	(A) 4512 4512	456 4512	475 4512	(A) 4512 4512	712 4512	738 4512	(A) 4512 4512	828 4512	819 4512	(A) 4512 4512	956 4512	997 4512
28.50	Output RPM	121	61	41	121	61	41	121	61	41	121	29	41	121	61	41	121	61	41
	Input HP (Max) (C)	3.98	2.02	1.34	4.85	2.46	1.63	9.86	5.01	3.11	19.21	9.95	5.67	19.21	12.58	7.03	19.21	14.24	8.98
	Output Torque, In-Lb	2072	2073	2072	2523	2524	2523	5135	5138	4812	10003	10212	8777	10003	12912	10885	10003	14612	13907
	OHL Input Shaft OHL Output Shaft (B)	(A) 4512 4512	218 4512	226 4512	(A) 4512 4512	346 4512	360 4512	(A) 4512 4512	456 4512	475 4512	(A) 4512 4512	695 4512	738 4512	(A) 4512 4512	773 4512	770 4512	(A) 4512 4512	957 4512	997 4512
30.87	Output RPM	112	57	38	112	57	38	112	57	38	112	31	38	112	57	38	112	57	38
	Input HP (Max) (C)	3.98	2.02	1.34	4.85	2.46	1.63	9.86	5.01	3.00	18.16	9.57	5.45	18.16	12.10	6.76	18.16	13.14	8.49
	Output Torque, In-Lb	2244	2246	2244	2732	2734	2732	5562	5565	5030	10243	10635	9143	10243	13452	11340	10243	14612	14241
	OHL Input Shaft OHL Output Shaft (B)	(A) 4512 4512	217 4512	226 4512	(A) 4512 4512	346 4512	360 4512	(A) 4512 4512	455 4512	475 4512	(A) 4512 4512	660 4512	737 4512	(A) 4512 4512	729 4512	733 4512	(A) 4512 4512	958 4512	997 4512
34.40	Output RPM	-	-	-	-	-	-	-	-	-	100	51	34	100	51	34	100	51	34
	Input HP (Max) (C)	-	-	-	-	-	-	-	-	-	18.13	10.36	6.87	18.13	11.80	7.81	18.13	11.80	7.81
	Output Torque, In-Lb	-	-	-	-	-	-	-	-	-	11393	12837	12830	11393	14612	14604	11393	14612	14604
	OHL Input Shaft OHL Output Shaft (B)	-	-	-	-	-	-	-	-	-	(A) 4512 4512	713 4512	742 4512	(A) 4512 4512	840 4512	874 4512	(A) 4512 4512	958 4512	997 4512
41.50	Output RPM	-	-	-	-	-	-	-	-	-	83	42	28	83	42	28	83	42	28
	Input HP (Max) (C)	-	-	-	-	-	-	-	-	-	15.90	9.78	6.48	15.90	9.78	6.48	15.90	9.78	6.48
	Output Torque, In-Lb	-	-	-	-	-	-	-	-	-	12055	14612	14604	12055	14612	14604	12055	14612	14604
	OHL Input Shaft OHL Output Shaft (B)	-	-	-	-	-	-	-	-	-	(A) 4512 4512	713 4512	742 4512	(A) 4512 4512	839 4512	874 4512	(A) 4512 4512	958 4512	997 4512
49.80	Output RPM	-	-	-	69	35	23	69	35	23	69	35	23	69	35	23	69	35	23
	Input HP (Max) (C)	-	-	-	4.85	2.46	1.63	9.86	5.01	3.32	13.99	8.15	5.40	13.99	8.15	5.54	13.99	8.15	5.40
	Output Torque, In-Lb	-	-	-	4407	4410	4407	8972	8977	8972	12730	14612	14604	12730	14612	14604	12730	14612	14604
	OHL Input Shaft OHL Output Shaft (B)	-	-	-	(A) 4512 4512	346 4512	360 4512	(A) 4512 4512	453 4512	471 4512	(A) 4512 4512	708 4512	737 4512	(A) 4512 4512	842 4512	876 4512	(A) 4512 4512	959 4512	998 4512
58.37	Output RPM	-	-	-	59	30	20	59	30	20	59	30	20	59	30	20	59	30	20
	Input HP (Max) (C)	-	-	-	4.85	2.46	1.63	9.86	5.01	3.32	12.52	6.95	4.60	12.52	6.95	4.60	12.52	6.95	4.60
	Output Torque, In-Lb	-	-	-	5166	5169	5156	10517	10523	10517	13353	14612	14604	13353	14612	14604	13353	14612	14604
	OHL Input Shaft OHL Output Shaft (B)	-	-	-	(A) 4512 4512	346 4512	360 4512	(A) 4512 4512	454 4512	472 4512	(A) 4512 4512	707 4512	737 4512	(A) 4512 4512	844 4512	878 4512	(A) 4512 4512	959 4512	998 4512
69.57	Output RPM	-	-	-	50	25	17	50	25	17	50	25	17	50	25	17	50	25	17
	Input HP (Max) (C)	-	-	-	4.85	2.46	1.63	9.86	5.01	3.32	11.08	5.83	3.86	11.08	5.83	3.86	11.08	5.83	3.86
	Output Torque, In-Lb	-	-	-	6157	6161	6157	12535	12542	12535	14076	14612	14604	14076	14612	14604	14076	14612	14604
	OHL Input Shaft OHL Output Shaft (B)	-	-	-	(A) 4512 4512	346 4512	360 4512	(A) 4512 4512	456 4512	474 4512	(A) 4512 4512	711 4512	740 4512	(A) 4512 4512	844 4512	879 4512	(A) 4512 4512	998 4512	998 4512
75.45	Output RPM	46	23	15	46	23	15	46	23	15	46	23	15	46	23	15	46	23	15
	Input HP (Max) (C)	3.98	2.02	1.34	4.85	2.46	1.63	9.86	5.01	3.25	10.46	5.38	3.56	10.46	5.38	3.56	10.46	5.38	3.56
	Output Torque, In-Lb	5484	5489	5485	6678	6682	6678	13594	13602	13329	14423	14612	14604	14423	14612	14604	14423	14612	14604
	OHL Input Shaft OHL Output Shaft (B)	(A) 4512 4512	218 4512	225 4512	(A) 4512 4512	346 4512	360 4512	(A) 4512 4512	456 4512	475 4512	(A) 4512 4512	712 4512	741 4512	(A) 4512 4512	845 4512	879 4512	(A) 4512 4512	998 4512	998 4512

(A) (B) (C) - See Footnote page on inside back cover

Blank areas (-) indicate configuration not available

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# SELECTION

## RIGHT ANGLE HELICAL BEVEL REDUCER (RHB) Service Factor 1.0 / Clamp Collar / 3 Pc Coupled / Separate Triple Reduction

SIZE: B\_883  
60HZ

NEMA MOTOR FRAME IEC MOTOR FRAME SEPARATE GROUP		56C 71D 71			--- 80D 80			140TC 90D 90			180TC 100D 100			--- 112D 112			210TC 132D 132		
RATIO	OUTPUT RATING DATA	3450	1750	1160	3450	1750	1160	3450	1750	1160	3450	1750	1160	3450	1750	1160	3450	1750	1160
84.21	Output RPM	41	21	14	41	21	14	41	21	14	41	21	14	41	21	14	41	21	14
	Input HP (Max) (C)	3.98	2.02	1.34	4.85	2.46	1.63	9.49	4.82	3.11	9.49	4.82	3.19	9.49	4.82	3.19	9.49	4.82	3.19
	Output Torque, In-Lb	6123	6126	6123	7454	7458	7454	14604	14612	14218	14604	14612	14604	14604	14612	14604	14604	14612	14604
	OHL Input Shaft (A)	218	226	(A)	346	360	(A)	456	475	(A)	713	742	(A)	845	879	(A)	845	879	(A)
91.22	Output RPM	38	19	13	38	19	13	38	19	13	38	19	13	38	19	13	38	19	13
	Input HP (Max) (C)	3.98	2.02	1.34	4.85	2.46	1.63	8.76	4.45	2.95	8.76	4.45	2.95	8.76	4.45	2.95	8.76	4.45	2.95
	Output Torque, In-Lb	6632	6636	6632	8073	8078	8073	14604	14612	14604	14604	14612	14604	14604	14612	14604	14604	14612	14604
	OHL Input Shaft (A)	217	226	(A)	346	360	(A)	456	475	(A)	713	742	(A)	845	879	(A)	845	879	(A)
103.38	Output RPM	33	17	11	33	17	11	33	17	11	33	17	11	33	17	11	33	17	11
	Input HP (Max) (C)	3.98	2.02	1.34	4.85	2.46	1.63	7.73	3.92	2.60	7.73	3.92	2.60	7.73	3.92	2.60	7.73	3.92	2.60
	Output Torque, In-Lb	7516	7521	7516	9150	9156	9150	14604	14612	14604	14604	14612	14604	14604	14612	14604	14604	14612	14604
	OHL Input Shaft (A)	219	228	(A)	346	360	(A)	452	471	(A)	714	743	(A)	845	879	(A)	845	879	(A)
111.37	Output RPM	31	16	10	31	16	10	31	16	10	31	16	10	31	16	10	31	16	10
	Input HP (Max) (C)	3.98	2.02	1.34	4.85	2.46	1.63	7.18	3.64	2.41	7.08	3.64	2.41	7.18	3.64	2.41	7.18	3.64	2.41
	Output Torque, In-Lb	7904	8102	8097	9857	9863	9857	14604	14612	14604	14604	14612	14604	14604	14612	14604	14604	14612	14604
	OHL Input Shaft (A)	218	227	(A)	346	360	(A)	453	472	(A)	714	743	(A)	845	879	(A)	845	879	(A)
120.42	Output RPM	29	15	10	29	15	10	29	15	10	29	15	10	29	15	10	29	15	10
	Input HP (Max) (C)	3.98	2.02	1.34	4.85	2.46	1.63	6.64	3.37	2.23	6.64	3.37	2.23	6.64	3.37	2.23	6.64	3.37	2.23
	Output Torque, In-Lb	8044	8760	8755	10658	10665	10658	14604	14612	14604	14604	14612	14604	14604	14612	14604	14604	14612	14604
	OHL Input Shaft (A)	218	227	(A)	346	360	(A)	454	471	(A)	714	743	(A)	845	879	(A)	845	879	(A)
130.77	Output RPM	26	13	9	26	13	9	26	13	9	26	13	9	26	13	9	26	13	9
	Input HP (Max) (C)	3.98	2.02	1.34	4.85	2.46	1.63	6.11	3.10	2.06	6.11	3.10	2.06	6.11	3.10	2.06	6.11	3.10	2.06
	Output Torque, In-Lb	8187	9513	9087	11574	11581	11574	14604	14612	14604	14604	14612	14604	14604	14612	14604	14604	14612	14604
	OHL Input Shaft (A)	218	226	(A)	345	359	(A)	454	472	(A)	714	743	(A)	845	879	(A)	845	879	(A)
144.58	Output RPM	24	12	8	24	12	8	24	12	8	24	12	8	24	12	8	24	12	8
	Input HP (Max) (C)	3.98	2.01	1.29	4.85	2.46	1.63	5.53	2.81	1.86	5.53	2.81	1.86	5.53	2.81	1.86	5.53	2.81	1.86
	Output Torque, In-Lb	8349	10445	9269	12797	12804	12797	14604	14612	14604	14604	14612	14604	14604	14612	14604	14604	14612	14604
	OHL Input Shaft (A)	217	227	(A)	345	359	(A)	454	473	(A)	714	744	(A)	845	872	(A)	845	872	(A)
156.63	Output RPM	22	11	7	22	11	7	22	11	7	22	11	7	22	11	7	22	11	7
	Input HP (Max) (C)	3.98	1.88	1.24	4.85	2.46	1.56	5.10	2.59	1.72	5.10	2.59	1.72	5.10	2.59	1.72	5.10	2.59	1.72
	Output Torque, In-Lb	8472	10610	9407	13863	13871	13300	14604	14612	14604	14604	14612	14604	14604	14612	14604	14604	14612	14604
	OHL Input Shaft (A)	218	227	(A)	345	359	(A)	455	474	(A)	715	744	(A)	845	874	(A)	845	874	(A)
176.50	Output RPM	20	10	7	20	10	7	20	10	7	20	10	7	20	10	7	-	-	-
	Input HP (Max) (C)	3.98	1.70	1.16	4.53	2.30	1.45	4.53	2.30	1.52	4.53	2.30	1.52	4.53	2.30	1.52	-	-	-
	Output Torque, In-Lb	8648	10834	9597	14604	14612	13933	14604	14612	14604	14604	14612	14604	14604	14612	14604	-	-	-
	OHL Input Shaft (A)	218	226	(A)	345	359	(A)	456	474	(A)	714	744	(A)	845	874	(A)	-	-	-

(A) (B) (C) - See Footnote page on inside back cover

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# SELECTION

## RIGHT ANGLE HELICAL BEVEL REDUCER (RHB) Service Factor 1.0 / Clamp Collar / 3 Pc Coupled / Separate Triple Reduction

SIZE: B\_883  
60HZ

NEMA MOTOR FRAME IEC MOTOR FRAME SEPARATE GROUP		56C 71D 71			--- 80D 80			140TC 90D 90			180TC 100D 100			--- 112D 112			210TC 132D 132		
RATIO	OUTPUT RATING DATA	3450	1750	1160	3450	1750	1160	3450	1750	1160	3450	1750	1160	3450	1750	1160	3450	1750	1160
193.24	Output RPM	18	9	6	18	9	6	18	9	6	18	9	6	18	9	6	-	-	-
	Input HP (Max) (C)	3.23	1.58	1.10	3.23	2.10	1.37	3.23	2.10	1.39	3.23	2.10	1.39	3.23	2.10	1.39	-	-	-
	Output Torque, In-Lb	8766	10992	9732	11393	14612	14425	11392	14612	14604	11393	14612	14604	11393	14612	14604	-	-	-
	OHL Input Shaft OHL Output Shaft (B)	(A) 4512	218 4512	226 4512	(A) 4512	345 4512	359 4512	(A) 4512	456 4512	475 4512	(A) 4512	714 4512	744 4512	(A) 4512	(A) 4512	(A) 4512	-	-	-
215.25	Output RPM	16	8	5	16	8	5	16	8	5	16	8	5	-	-	-	-	-	-
	Input HP (Max) (C)	3.71	1.44	1.03	3.71	1.88	1.25	3.71	1.88	1.25	3.71	1.88	1.25	-	-	-	-	-	-
	Output Torque, In-Lb	8901	11169	9881	14604	14612	14604	14604	14612	14604	14604	14612	14604	-	-	-	-	-	-
	OHL Input Shaft OHL Output Shaft (B)	(A) 4512	218 4512	228 4512	(A) 4512	345 4512	359 4512	(A) 4512	456 4512	475 4512	(A) 4512	714 4512	744 4512	-	-	-	-	-	-
246.13	Output RPM	14	7	5	14	7	5	14	7	5	-	-	-	-	-	-	-	-	-
	Input HP (Max) (C)	3.25	1.28	0.95	3.25	1.65	1.09	3.25	1.65	1.09	-	-	-	-	-	-	-	-	-
	Output Torque, In-Lb	9053	11368	10049	14604	14612	14604	14604	14612	14604	-	-	-	-	-	-	-	-	-
	OHL Input Shaft OHL Output Shaft (B)	(A) 4512	218 4512	228 4512	(A) 4512	346 4512	360 4512	(A) 4512	457 4512	475 4512	-	-	-	-	-	-	-	-	-
272.95	Output RPM	13	6	4	13	6	4	13	6	4	-	-	-	-	-	-	-	-	-
	Input HP (Max) (C)	2.93	1.17	0.89	2.93	1.49	0.98	2.93	1.49	0.98	-	-	-	-	-	-	-	-	-
	Output Torque, In-Lb	9160	11508	10167	14604	14612	14604	14604	14612	14604	-	-	-	-	-	-	-	-	-
	OHL Input Shaft OHL Output Shaft (B)	(A) 4512	219 4512	227 4512	(A) 4512	346 4512	360 4512	(A) 4512	457 4512	475 4512	-	-	-	-	-	-	-	-	-
302.68	Output RPM	11	6	4	11	6	4	11	6	4	-	-	-	-	-	-	-	-	-
	Input HP (Max) (C)	2.64	1.07	0.83	2.64	1.34	0.89	2.64	1.34	0.89	-	-	-	-	-	-	-	-	-
	Output Torque, In-Lb	9255	11638	10276	11993	14612	13268	11993	14612	13268	-	-	-	-	-	-	-	-	-
	OHL Input Shaft OHL Output Shaft (B)	(A) 4512	219 4512	228 4512	(A) 4512	346 4512	360 4512	(A) 4512	457 4512	475 4512	-	-	-	-	-	-	-	-	-

Notes:

(A) (B) (C) - See Footnote page on inside back cover

Blank areas (-) indicate configuration not available

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# SELECTION

## RIGHT ANGLE HELICAL BEVEL REDUCER (RHB) Service Factor 1.0 / Clamp Collar / 3 Pc Coupled / Separate Triple Reduction

SIZE: B\_1083  
60HZ

NEMA MOTOR FRAME IEC MOTOR FRAME SEPARATE GROUP		--- 80D 80			140TC 90D 90			180TC 100D 100			--- 112D 112			210TC 132D 132			250TC 160D 160		
RATIO	OUTPUT RATING DATA	3450	1750	1160	3450	1750	1160	3450	1750	1160	3450	1750	1160	3450	1750	1160	3450	1750	1160
7.68	Output RPM	-	-	-	-	-	-	-	-	-	449	228	151	449	228	151	449	228	151
	Input HP (Max) (C)	-	-	-	-	-	-	-	-	-	27.34	13.88	9.19	64.54	30.20	16.82	81.12	45.36	27.89
	Output Torque, In-Lb	-	-	-	-	-	-	-	-	-	3834	3836	3834	9051	8348	7014	11375	12540	11633
	OHL Input Shaft	-	-	-	-	-	-	-	-	-	(A)	838	872	(A)	946	993	(A)	1380	1574
	OHL Output Shaft (B)	-	-	-	-	-	-	-	-	-	(A)	5586	5586	(A)	5586	5586	(A)	5586	5586
9.36	Output RPM	-	-	-	-	-	-	368	187	124	368	187	124	368	187	124	368	187	124
	Input HP (Max) (C)	-	-	-	-	-	-	20.42	10.36	6.87	27.34	13.88	9.19	64.54	28.63	15.95	69.65	37.72	25.33
	Output Torque, In-Lb	-	-	-	-	-	-	3492	3494	3492	4676	4679	4676	11039	9655	8112	11912	12718	12883
	OHL Input Shaft	-	-	-	-	-	-	(A)	713	742	(A)	843	877	(A)	952	993	(A)	1414	1575
	OHL Output Shaft (B)	-	-	-	-	-	-	(A)	5586	5586	(A)	5586	5586	(A)	5586	5586	(A)	5586	5586
10.97	Output RPM	-	-	-	-	-	-	314	160	106	314	160	106	314	160	106	314	160	106
	Input HP (Max) (C)	-	-	-	-	-	-	20.42	10.36	6.87	27.34	13.88	9.19	60.13	27.18	15.14	60.13	32.56	21.86
	Output Torque, In-Lb	-	-	-	-	-	-	4092	4094	4092	5479	5482	5479	12050	10737	9023	12050	12862	13027
	OHL Input Shaft	-	-	-	-	-	-	(A)	713	742	(A)	843	877	(A)	952	994	(A)	1435	1586
	OHL Output Shaft (B)	-	-	-	-	-	-	(A)	5586	5586	(A)	5586	5586	(A)	5586	5586	(A)	5586	5586
12.90	Output RPM	268	136	90	268	136	90	268	136	90	268	136	90	268	136	90	268	136	90
	Input HP (Max) (C)	4.85	2.46	1.63	9.86	5.01	3.32	20.42	10.36	6.87	27.34	13.87	9.19	51.74	25.56	14.24	51.74	28.01	18.81
	Output Torque, In-Lb	1141	1142	1141	2324	2325	2324	4810	4813	4810	6441	6444	6441	12188	11871	9978	12188	13010	13180
	OHL Input Shaft	(A)	346	360	(A)	453	471	(A)	711	741	(A)	841	876	(A)	950	993	(A)	1452	1591
	OHL Output Shaft (B)	(A)	5586	5586	(A)	5586	5586	(A)	5586	5586	(A)	5586	5586	(A)	5586	5586	(A)	5586	5586
13.74	Output RPM	-	-	-	-	-	-	-	-	-	251	127	84	251	127	84	251	127	84
	Input HP (Max) (C)	-	-	-	-	-	-	-	-	-	27.34	13.88	9.19	64.54	30.20	16.82	70.38	42.72	27.89
	Output Torque, In-Lb	-	-	-	-	-	-	-	-	-	6861	6865	6861	16197	14939	12552	17662	21134	21134
	OHL Input Shaft	-	-	-	-	-	-	-	-	-	(A)	838	872	(A)	946	993	(A)	1408	1574
	OHL Output Shaft (B)	-	-	-	-	-	-	-	-	-	(A)	5586	5586	(A)	5586	5586	(A)	5586	5586
16.76	Output RPM	-	-	-	-	-	-	206	104	69	206	104	69	206	104	69	206	104	69
	Input HP (Max) (C)	-	-	-	-	-	-	20.42	10.36	6.87	27.34	13.88	9.19	61.24	28.64	15.95	61.24	37.17	26.11
	Output Torque, In-Lb	-	-	-	-	-	-	6250	6253	6250	8368	8373	8368	18744	17279	14516	18744	22429	23770
	OHL Input Shaft	-	-	-	-	-	-	(A)	713	742	(A)	843	877	(A)	952	993	(A)	1418	1587
	OHL Output Shaft (B)	-	-	-	-	-	-	5586	5586	5586	5586	5586	5586	5586	5586	5586	5586	5586	5586
19.36	Output RPM	-	-	-	-	-	-	178	90	60	178	90	60	178	90	60	178	90	60
	Input HP (Max) (C)	-	-	-	-	-	-	20.42	10.51	6.87	27.34	14.07	9.19	54.82	27.55	15.14	54.82	33.74	23.06
	Output Torque, In-Lb	-	-	-	-	-	-	7323	7327	7323	9808	9811	9805	19659	19214	16148	19659	23527	24602
	OHL Input Shaft	-	-	-	-	-	-	(A)	713	742	(A)	843	877	(A)	952	994	(A)	1423	1579
	OHL Output Shaft (B)	-	-	-	-	-	-	5586	5586	5586	5586	5586	5586	5586	5586	5586	5586	5586	5586
23.08	Output RPM	149	76	50	149	76	50	149	76	50	149	76	50	149	76	50	149	76	50
	Input HP (Max) (C)	4.85	2.46	1.63	9.86	5.01	3.32	20.42	10.36	6.87	27.34	13.88	9.19	48.93	25.56	14.24	48.93	29.56	19.85
	Output Torque, In-Lb	2043	2044	2043	4158	4161	4158	8608	8613	8608	11526	11533	11526	20629	21244	17856	20629	24570	24886
	OHL Input Shaft	(A)	346	360	(A)	453	471	(A)	711	741	(A)	841	876	(A)	950	993	(A)	1428	1587
	OHL Output Shaft (B)	5586	5586	5586	5586	5586	5586	5586	5586	5586	5586	5586	5586	5586	5586	5586	5586	5586	5586
26.48	Output RPM	130	66	44	130	66	44	130	66	44	130	66	44	130	66	44	130	66	44
	Input HP (Max) (C)	4.85	2.46	1.63	9.86	5.01	3.32	20.42	10.36	6.87	27.34	13.88	9.07	44.46	24.08	13.42	44.46	26.02	17.47
	Output Torque, In-Lb	2344	2345	2344	4771	4774	4771	9877	9882	9877	13225	13232	13044	21504	22967	19309	21504	24813	25130
	OHL Input Shaft	(A)	346	360	(A)	454	473	(A)	709	738	(A)	838	874	(A)	948	993	(A)	1443	1591
	OHL Output Shaft (B)	5586	5586	5586	5586	5586	5586	5586	5586	5586	5586	5586	5586	5586	5586	5586	5586	5586	5586

(A) (B) (C) - See Footnote page on inside back cover

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# SELECTION

## RIGHT ANGLE HELICAL BEVEL REDUCER (RHB) Service Factor 1.0 / Clamp Collar / 3 Pc Coupled / Separate Triple Reduction

SIZE: B\_1083  
60HZ

NEMA MOTOR FRAME IEC MOTOR FRAME SEPARATE GROUP		--- 80D 80			140TC 90D 90			180TC 100D 100			--- 112D 112			210TC 132D 132			250TC 160D 160		
RATIO	OUTPUT RATING DATA	3450	1750	1160	3450	1750	1160	3450	1750	1160	3450	1750	1160	3450	1750	1160	3450	1750	1160
31.25	Output RPM	110	56	37	110	56	37	110	56	37	110	56	37	110	56	37	110	56	37
	Input HP (Max) (C)	4.85	2.46	1.63	9.86	5.01	3.32	20.42	10.36	6.84	27.34	13.88	8.48	39.58	22.30	12.42	39.58	22.31	14.98
	Output Torque, In-Lb	2766	2768	2766	5631	5634	5631	11657	11664	11611	15608	15617	14392	22599	25101	21094	22599	25105	25427
	OHL Input Shaft OHL Output Shaft (B)	(A) 346 5586	360 5586	360 5586	(A) 456 5586	470 5586	470 5586	(A) 710 5586	740 5586	740 5586	(A) 839 5586	873 5586	873 5586	(A) 946 5586	992 5586	992 5586	(A) 1457 5586	1593 5586	1593 5586
33.87	Output RPM	102	52	34	102	52	34	102	52	34	102	52	34	102	52	34	102	52	34
	Input HP (Max) (C)	4.85	2.46	1.63	9.86	5.01	3.32	20.42	10.36	6.61	27.34	13.88	8.18	37.41	20.70	11.96	37.41	20.70	13.90
	Output Torque, In-Lb	2998	3000	2998	6103	6107	6103	12635	12642	12171	16918	16928	15053	23150	25248	22014	23150	25248	25575
	OHL Input Shaft OHL Output Shaft (B)	(A) 346 5586	360 5586	360 5586	(A) 456 5586	474 5586	474 5586	(A) 707 5586	739 5586	739 5586	(A) 857 5586	873 5586	873 5586	(A) 948 5586	990 5586	990 5586	(A) 1463 5586	1595 5586	1595 5586
36.44	Output RPM	-	-	-	-	-	-	-	-	-	95	48	32	95	48	32	95	48	32
	Input HP (Max) (C)	-	-	-	-	-	-	-	-	-	27.34	13.88	9.19	31.72	19.24	13.41	31.72	19.24	13.41
	Output Torque, In-Lb	-	-	-	-	-	-	-	-	-	18199	18209	18199	21116	25251	26553	21116	25251	26552
	OHL Input Shaft OHL Output Shaft (B)	- -	- -	- -	- -	- -	- -	- -	- -	- -	(A) 838 5586	872 5586	872 5586	(A) 953 5586	990 5586	990 5586	(A) 1530 5586	1591 5586	1591 5586
44.44	Output RPM	-	-	-	-	-	-	78	39	26	78	39	26	78	39	26	78	39	26
	Input HP (Max) (C)	-	-	-	-	-	-	20.42	10.36	6.87	27.34	13.88	9.19	27.61	16.60	11.00	27.61	16.60	11.00
	Output Torque, In-Lb	-	-	-	-	-	-	16578	16587	16578	22197	22210	22197	22416	26568	26553	22416	26568	26553
	OHL Input Shaft OHL Output Shaft (B)	- -	- -	- -	- -	- -	- -	(A) 713 5586	742 5586	742 5586	(A) 843 5586	877 5586	877 5586	(A) 950 5586	989 5586	989 5586	(A) 1531 5586	1595 5586	1595 5586
52.08	Output RPM	-	-	-	-	-	-	66	34	22	66	34	22	66	34	22	66	34	22
	Input HP (Max) (C)	-	-	-	-	-	-	20.42	10.36	6.87	24.71	13.88	9.19	24.71	14.17	9.38	24.71	14.17	9.38
	Output Torque, In-Lb	-	-	-	-	-	-	19425	19436	19425	23507	26024	26010	23507	26568	26553	23507	26568	26553
	OHL Input Shaft OHL Output Shaft (B)	- -	- -	- -	- -	- -	- -	(A) 713 5586	742 5586	742 5586	(A) 843 5586	877 5586	877 5586	(A) 954 5586	993 5586	993 5586	(A) 1533 5586	1596 5586	1596 5586
61.22	Output RPM	56	29	19	56	29	19	56	29	19	56	29	19	56	29	19	56	29	19
	Input HP (Max) (C)	4.85	2.46	1.63	9.86	5.01	3.32	20.42	10.36	6.87	22.06	12.05	7.98	20.04	12.05	7.98	22.06	12.05	7.98
	Output Torque, In-Lb	5418	5421	5418	11030	11036	11030	22834	22847	22834	24675	26568	26553	24674	26568	26553	24675	26568	26553
	OHL Input Shaft OHL Output Shaft (B)	(A) 346 5586	360 5586	360 5586	(A) 453 5586	471 5586	471 5586	(A) 711 5586	741 5586	741 5586	(A) 843 5586	878 5586	878 5586	(A) 956 5586	995 5586	995 5586	(A) 1534 5586	1596 5586	1596 5586
70.24	Output RPM	49	25	17	49	25	17	49	25	17	49	25	17	49	25	17	49	25	17
	Input HP (Max) (C)	4.85	2.46	1.63	9.86	5.01	3.32	20.04	10.36	6.87	20.04	10.50	6.96	17.53	10.50	6.96	20.04	10.50	6.96
	Output Torque, In-Lb	6217	6220	6217	12655	12662	12655	25711	26213	26199	25711	26568	26553	25710	26568	26553	25711	26568	26553
	OHL Input Shaft OHL Output Shaft (B)	(A) 346 5586	360 5586	360 5586	(A) 454 5586	473 5586	473 5586	(A) 709 5586	738 5586	738 5586	(A) 836 5586	871 5586	871 5586	(A) 957 5586	997 5586	997 5586	(A) 1534 5586	1597 5586	1597 5586
82.90	Output RPM	42	21	14	42	21	14	42	21	14	42	21	14	42	21	14	42	21	14
	Input HP (Max) (C)	4.85	2.46	1.63	9.86	5.01	3.32	17.53	8.90	5.90	17.53	8.90	5.90	16.18	8.90	5.90	17.53	8.90	5.90
	Output Torque, In-Lb	7337	7341	7337	14936	14945	14936	26553	26568	26553	26553	26568	26553	26552	26568	26553	26553	26568	26553
	OHL Input Shaft OHL Output Shaft (B)	(A) 346 5586	360 5586	360 5586	(A) 456 5586	470 5586	470 5586	(A) 711 5586	741 5586	741 5586	(A) 840 5586	870 5586	870 5586	(A) 958 5586	997 5586	997 5586	(A) 1534 5586	1597 5586	1597 5586
89.85	Output RPM	38	19	13	38	19	13	38	19	13	38	19	13	38	19	13	38	19	13
	Input HP (Max) (C)	4.85	2.46	1.63	9.86	5.01	3.32	16.18	8.21	5.44	16.18	8.21	5.44	14.55	8.21	5.44	16.18	8.21	5.44
	Output Torque, In-Lb	7953	7957	7953	16190	16199	16190	26553	26568	26553	26553	26568	26553	26553	26568	26553	26553	26568	26553
	OHL Input Shaft OHL Output Shaft (B)	(A) 346 5586	360 5586	360 5586	(A) 456 5586	474 5586	474 5586	(A) 712 5586	742 5586	742 5586	(A) 837 5586	872 5586	872 5586	(A) 958 5586	997 5586	997 5586	(A) 1534 5586	1597 5586	1597 5586

(A) (B) (C) - See Footnote page on inside back cover

Blank areas (-) indicate configuration not available

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# SELECTION

## RIGHT ANGLE HELICAL BEVEL REDUCER (RHB) Service Factor 1.0 / Clamp Collar / 3 Pc Coupled / Separate Triple Reduction

SIZE: B\_1083  
60HZ

NEMA MOTOR FRAME IEC MOTOR FRAME SEPARATE GROUP		--- 80D 80			140TC 90D 90			180TC 100D 100			--- 112D 112			210TC 132D 132			250TC 160D 160			
RATIO	OUTPUT RATING DATA	3450	1750	1160	3450	1750	1160	3450	1750	1160	3450	1750	1160	3450	1750	1160	3450	1750	1160	
99.90	Output RPM	35	18	12	35	18	12	35	18	12	35	18	12	35	18	12	35	18	12	
	Input HP (Max) (C)	4.85	2.46	1.63	9.86	5.01	3.25	14.55	7.38	4.89	14.55	7.38	4.89	13.39	7.38	4.89	14.55	7.38	4.89	
	Output Torque, In-Lb	8842	8847	8842	18000	18011	17621	26553	26568	26553	26553	26568	26553	26553	26568	26553	26553	26568	26553	26553
	OHL Input Shaft (A)	346	360	(A)	456	474	(A)	713	742	(A)	840	874	(A)	959	998	(A)	1534	1597	(A)	1534
	OHL Output Shaft (B)	5586	5586	5586	5586	5586	5586	5586	5586	5586	5586	5586	5586	5586	5586	5586	5586	5586	5586	5586
108.52	Output RPM	32	16	11	32	16	11	32	16	11	32	16	11	32	16	11	32	16	11	
	Input HP (Max) (C)	4.85	2.46	1.63	9.86	5.01	3.13	13.39	6.80	4.50	13.39	6.80	4.50	12.11	6.80	4.50	13.39	6.80	4.50	
	Output Torque, In-Lb	9605	9610	9605	19553	19564	18439	26553	26568	26553	26553	26568	26553	26553	26568	26553	26553	26568	26553	26553
	OHL Input Shaft (A)	346	360	(A)	455	475	(A)	714	743	(A)	841	875	(A)	959	998	(A)	1534	1597	(A)	1534
	OHL Output Shaft (B)	5586	5586	5586	5586	5586	5586	5586	5586	5586	5586	5586	5586	5586	5586	5586	5586	5586	5586	5586
120.03	Output RPM	29	15	10	29	15	10	29	15	10	29	15	10	29	15	10	29	15	10	
	Input HP (Max) (C)	4.85	2.46	1.63	9.86	5.01	2.98	12.11	6.15	4.07	12.11	6.15	4.07	11.28	6.15	4.07	12.11	6.15	4.07	
	Output Torque, In-Lb	10624	10630	10624	21628	21640	19432	26553	26568	26553	26553	26568	26553	26553	26568	26553	26553	26568	26553	26553
	OHL Input Shaft (A)	346	360	(A)	454	475	(A)	714	743	(A)	842	877	(A)	959	998	(A)	1534	1597	(A)	1534
	OHL Output Shaft (B)	5586	5586	5586	5586	5586	5586	5586	5586	5586	5586	5586	5586	5586	5586	5586	5586	5586	5586	5586
128.86	Output RPM	27	14	9	27	14	9	27	14	9	27	14	9	27	14	9	27	14	9	
	Input HP (Max) (C)	4.85	2.46	1.63	9.86	5.01	2.87	11.28	5.72	3.79	11.28	5.72	3.79	10.47	5.72	3.79	11.28	5.72	3.79	
	Output Torque, In-Lb	11406	11412	11406	23219	23232	20124	26553	26568	26553	26553	26568	26553	26553	26568	26553	26553	26568	26553	26553
	OHL Input Shaft (A)	346	360	(A)	453	475	(A)	714	736	(A)	843	877	(A)	946	998	(A)	1534	1597	(A)	1534
	OHL Output Shaft (B)	5586	5586	5586	5586	5586	5586	5586	5586	5586	5586	5586	5586	5586	5586	5586	5586	5586	5586	5586
138.87	Output RPM	25	13	8	25	13	8	25	13	8	25	13	8	25	13	8	-	-	-	
	Input HP (Max) (C)	4.85	2.46	1.63	9.86	4.84	2.76	10.47	5.31	3.52	10.47	5.31	3.52	9.67	5.31	3.52	-	-	-	
	Output Torque, In-Lb	12291	12298	12291	25022	24183	20850	26553	26568	26553	26553	26568	26553	26553	26568	26553	26556	-	-	-
	OHL Input Shaft (A)	346	360	(A)	452	474	(A)	708	738	(A)	843	878	(A)	946	998	-	-	-	-	
	OHL Output Shaft (B)	5586	5586	5586	5586	5586	5586	5586	5586	5586	5586	5586	5586	5586	5586	5586	-	-	-	
150.31	Output RPM	23	12	8	23	12	8	23	12	8	23	12	8	23	12	8	-	-	-	
	Input HP (Max) (C)	4.85	2.46	1.63	9.67	4.63	2.65	9.67	4.91	3.25	9.67	4.91	3.25	8.89	4.91	3.25	-	-	-	
	Output Torque, In-Lb	13304	13311	13304	26553	25073	21619	26553	26568	26553	26553	26568	26553	26553	26568	26553	-	-	-	
	OHL Input Shaft (A)	345	359	(A)	452	474	(A)	709	736	(A)	843	878	(A)	946	998	-	-	-	-	
	OHL Output Shaft (B)	5586	5586	5586	5586	5586	5586	5586	5586	5586	5586	5586	5586	5586	5586	5586	-	-	-	
163.51	Output RPM	21	11	7	21	11	7	21	11	7	21	11	7	21	11	7	-	-	-	
	Input HP (Max) (C)	4.85	2.46	1.63	8.89	4.42	2.53	8.89	4.51	2.99	8.89	4.51	2.99	8.12	4.51	2.99	-	-	-	
	Output Torque, In-Lb	14472	14480	14472	26553	26033	22446	26553	26568	26553	26553	26568	26553	26553	26568	26553	-	-	-	
	OHL Input Shaft (A)	345	359	(A)	454	474	(A)	709	738	(A)	844	878	(A)	946	998	-	-	-	-	
	OHL Output Shaft (B)	5586	5586	5586	5586	5586	5586	5586	5586	5586	5586	5586	5586	5586	5586	5586	-	-	-	
178.90	Output RPM	19	10	6	19	10	6	19	10	6	19	10	6	-	-	-	-	-	-	
	Input HP (Max) (C)	4.85	2.46	1.56	8.12	4.12	2.40	8.12	4.12	2.73	8.12	4.12	2.73	-	-	-	-	-	-	
	Output Torque, In-Lb	15835	15844	15186	26553	26568	23354	26553	26568	26553	26553	26568	26553	-	-	-	-	-	-	
	OHL Input Shaft (A)	345	359	(A)	452	474	(A)	710	739	(A)	844	879	-	-	-	-	-	-	-	
	OHL Output Shaft (B)	5586	5586	5586	5586	5586	5586	5586	5586	5586	5586	5586	-	-	-	-	-	-	-	
201.11	Output RPM	17	9	6	17	9	6	17	9	6	17	9	6	-	-	-	-	-	-	
	Input HP (Max) (C)	4.85	2.46	1.45	7.23	3.67	2.25	7.23	3.67	2.43	7.23	3.67	2.43	-	-	-	-	-	-	
	Output Torque, In-Lb	17800	17810	15858	26553	26568	24605	26553	26568	26553	26553	26568	26553	-	-	-	-	-	-	
	OHL Input Shaft (A)	344	359	(A)	454	474	(A)	711	740	(A)	844	879	-	-	-	-	-	-	-	
	OHL Output Shaft (B)	5586	5586	5586	5586	5586	5586	5586	5586	5586	5586	5586	-	-	-	-	-	-	-	

(A) (B) (C) - See Footnote page on inside back cover

Blank areas ( - ) indicate configuration not available

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# SELECTION

## RIGHT ANGLE HELICAL BEVEL REDUCER (RHB) Service Factor 1.0 / Clamp Collar / 3 Pc Coupled / Separate Triple Reduction

SIZE: B\_1083  
60HZ

NEMA MOTOR FRAME IEC MOTOR FRAME SEPARATE GROUP		--- 80D 80			140TC 90D 90			180TC 100D 100			--- 112D 112			210TC 132D 132			250TC 160D 160		
RATIO	OUTPUT RATING DATA	3450	1750	1160	3450	1750	1160	3450	1750	1160	3450	1750	1160	3450	1750	1160	3450	1750	1160
219.64	Output RPM	16	8	5	16	8	5	16	8	5	16	8	5	-	-	-	-	-	-
	Input HP (Max) (C)	4.85	2.46	1.37	6.62	3.36	2.15	6.62	3.36	2.23	6.62	3.36	2.23	-	-	-	-	-	-
	Output Torque, In-Lb	19441	19451	16377	26553	26568	25612	26553	26568	26553	26553	26568	26553	-	-	-	-	-	-
	OHL Input Shaft OHL Output Shaft (B)	(A) (B)	343 5586	359 5586	(A) (B)	455 5586	474 5586	(A) (B)	712 5586	741 5586	(A) (B)	(A) 5586	879 5586	-	-	-	-	-	-
243.47	Output RPM	14	7	5	14	7	5	14	7	5	-	-	-	-	-	-	-	-	
	Input HP (Max) (C)	4.67	2.37	1.29	5.97	3.03	2.01	5.97	3.03	2.01	-	-	-	-	-	-	-	-	
	Output Torque, In-Lb	20790	20802	17017	26553	26568	26553	26553	26553	26553	-	-	-	-	-	-	-	-	
	OHL Input Shaft OHL Output Shaft (B)	(A) (B)	343 5586	359 5586	(A) (B)	455 5586	474 5586	(A) (B)	713 5586	742 5586	-	-	-	-	-	-	-	-	
278.10	Output RPM	12	6	4	12	6	4	-	-	-	-	-	-	-	-	-	-	-	
	Input HP (Max) (C)	4.28	2.17	1.18	5.23	2.65	1.76	-	-	-	-	-	-	-	-	-	-	-	
	Output Torque, In-Lb	21752	21764	17761	26553	26568	26553	-	-	-	-	-	-	-	-	-	-	-	
	OHL Input Shaft OHL Output Shaft (B)	(A) (B)	343 5586	359 5586	(A) (B)	456 5586	475 5586	-	-	-	-	-	-	-	-	-	-	-	
307.24	Output RPM	11	6	4	11	6	4	-	-	-	-	-	-	-	-	-	-	-	
	Input HP (Max) (C)	3.99	2.03	1.09	4.73	2.40	1.59	-	-	-	-	-	-	-	-	-	-	-	
	Output Torque, In-Lb	22418	22430	18276	22970	26568	25389	-	-	-	-	-	-	-	-	-	-	-	
	OHL Input Shaft OHL Output Shaft (B)	(A) (B)	343 5586	359 5586	(A) (B)	456 5586	475 5586	-	-	-	-	-	-	-	-	-	-	-	

Notes:

(A) (B) (C) - See Footnote page on inside back cover

Blank areas (-) indicate configuration not available

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# SELECTION

## RIGHT ANGLE HELICAL BEVEL REDUCER (RHB) Service Factor 1.0 / Clamp Collar / 3 Pc Coupled / Separate Triple Reduction

SIZE: B\_1283  
60HZ

NEMA MOTOR FRAME IEC MOTOR FRAME SEPARATE GROUP		140TC 90D 90			180TC 100D 100			--- 112D 112			210TC 132D 132			250TC 160D 160			280TC 180D/200D 180		
RATIO	OUTPUT RATING DATA	3450	1750	1160	3450	1750	1160	3450	1750	1160	3450	1750	1160	3450	1750	1160	3450	1750	1160
7.10	Output RPM	-	-	-	-	-	-	-	-	-	486	246	163	486	246	163	486	246	163
	Input HP (Max) (C)	-	-	-	-	-	-	-	-	-	64.54	32.76	20.52	89.63	45.49	29.26	140.63	92.65	56.68
	Output Torque, In-Lb	-	-	-	-	-	-	-	-	-	8374	8378	7916	11629	11635	11292	18245	23697	21870
	OHL Input Shaft OHL Output Shaft (B)	-	-	-	-	-	-	-	-	-	(A) (A)	949 6907	989 6907	(A) (A)	1473 6907	1586 6907	(A) (A)	1534 6907	1955 6907
8.26	Output RPM	-	-	-	-	-	-	-	-	-	418	212	140	418	212	140	418	212	140
	Input HP (Max) (C)	-	-	-	-	-	-	-	-	-	64.54	32.76	20.18	89.64	45.49	28.08	127.06	85.54	54.61
	Output Torque, In-Lb	-	-	-	-	-	-	-	-	-	9742	9748	9058	13529	13537	12605	19179	25452	24515
	OHL Input Shaft OHL Output Shaft (B)	-	-	-	-	-	-	-	-	-	(A) (A)	948 6907	989 6907	(A) (A)	1439 6907	1586 6907	(A) (A)	1551 6907	1911 6907
9.16	Output RPM	-	-	-	-	-	377	191	127	377	191	127	377	191	127	377	191	127	
	Input HP (Max) (C)	-	-	-	-	-	27.34	13.87	9.19	64.54	32.76	19.88	89.63	45.49	27.17	118.56	78.21	52.51	
	Output Torque, In-Lb	-	-	-	-	-	4574	4576	4574	10798	10804	9892	14995	15003	13519	19835	25796	26125	
	OHL Input Shaft OHL Output Shaft (B)	-	-	-	-	-	(A) (A)	838 6907	873 6907	(A) (A)	943 6907	990 6907	(A) (A)	1413 6907	1585 6907	(A) (A)	1551 6907	1889 6907	
10.82	Output RPM	-	-	-	319	162	107	319	162	107	319	162	107	319	162	107	319	162	107
	Input HP (Max) (C)	-	-	-	20.42	10.42	6.87	27.34	13.95	9.19	64.54	32.94	19.25	89.63	45.75	25.49	105.49	67.60	45.14
	Output Torque, In-Lb	-	-	-	4059	4061	4059	5435	5438	5435	12831	12838	11384	17819	17829	15070	20970	26345	26690
	OHL Input Shaft OHL Output Shaft (B)	-	-	-	(A) (A)	713 6907	742 6907	(A) (A)	843 6907	869 6907	(A) (A)	949 6907	988 6907	(A) (A)	1360 6907	1583 6907	(A) (A)	1579 6907	1924 6907
12.56	Output RPM	-	-	-	275	139	92	275	139	92	275	139	92	275	139	92	275	139	92
	Input HP (Max) (C)	-	-	-	20.42	10.36	6.87	27.34	13.88	9.19	64.54	32.76	18.60	88.80	43.57	23.97	95.70	59.21	39.75
	Output Torque, In-Lb	-	-	-	4685	4687	4685	6273	6276	6273	14808	14816	12694	20372	19709	16358	21956	26782	27126
	OHL Input Shaft OHL Output Shaft (B)	-	-	-	(A) (A)	713 6907	742 6907	(A) (A)	843 6907	877 6907	(A) (A)	951 6907	985 6907	(A) (A)	1332 6907	1582 6907	(A) (A)	1602 6907	1949 6907
13.00	Output RPM	-	-	-	-	-	-	-	-	-	265	135	89	265	135	89	265	135	89
	Input HP (Max) (C)	-	-	-	-	-	-	-	-	-	64.54	32.76	20.52	89.63	45.49	29.26	125.35	75.26	55.79
	Output Torque, In-Lb	-	-	-	-	-	-	-	-	-	15329	15338	14492	21289	21301	20671	29772	35237	39410
	OHL Input Shaft OHL Output Shaft (B)	-	-	-	-	-	-	-	-	-	(A) (A)	949 6907	989 6907	(A) (A)	1473 6907	1586 6907	(A) (A)	1700 6907	1969 6907
15.13	Output RPM	-	-	-	-	-	-	-	-	-	228	116	77	228	116	77	228	116	77
	Input HP (Max) (C)	-	-	-	-	-	-	-	-	-	64.54	32.76	20.18	89.63	45.49	28.08	112.74	67.69	48.49
	Output Torque, In-Lb	-	-	-	-	-	-	-	-	-	17835	17845	16583	24768	24782	23076	31153	36876	39847
	OHL Input Shaft OHL Output Shaft (B)	-	-	-	-	-	-	-	-	-	(A) (A)	948 6907	989 6907	(A) (A)	1439 6907	1586 6907	(A) (A)	1712 6907	2008 6907
16.77	Output RPM	-	-	-	-	-	206	104	69	206	104	69	206	104	69	206	104	69	
	Input HP (Max) (C)	-	-	-	-	-	27.34	13.85	9.19	64.54	32.76	19.88	89.63	45.49	27.17	104.92	62.99	44.07	
	Output Torque, In-Lb	-	-	-	-	-	8373	8360	8373	19767	19778	18109	27451	27467	24750	32134	38032	40141	
	OHL Input Shaft OHL Output Shaft (B)	-	-	-	-	-	(A) (A)	838 6907	873 6907	(A) (A)	943 6907	990 6907	(A) (A)	1413 6907	1585 6907	(A) (A)	1717 6907	2033 6907	
19.92	Output RPM	-	-	-	173	88	58	173	88	58	173	88	58	173	88	58	173	88	58
	Input HP (Max) (C)	-	-	-	20.42	10.36	6.87	27.34	13.88	9.19	64.54	32.76	19.25	89.63	45.49	25.49	92.98	55.82	37.56
	Output Torque, In-Lb	-	-	-	7431	7435	7431	9950	9956	9950	23489	23503	20841	32621	32639	27589	33838	40048	40654
	OHL Input Shaft OHL Output Shaft (B)	-	-	-	(A) (A)	713 6907	742 6907	(A) (A)	843 6907	869 6907	(A) (A)	949 6907	988 6907	(A) (A)	1360 6907	1583 6907	(A) (A)	1723 6907	2070 6907

(A) (B) (C) - See Footnote page on inside back cover

Blank areas ( - ) indicate configuration not available

MOUNTING POSITION PAGE RHB-7	SELECTION OIL QUANTITIES PAGE RHB-7	SELECTION GEARMOTORS PAGE RHB-49	DIMENSIONS PAGE RHB-92
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# SELECTION

## RIGHT ANGLE HELICAL BEVEL REDUCER (RHB) Service Factor 1.0 / Clamp Collar / 3 Pc Coupled / Separate Triple Reduction

SIZE: B\_1283  
60HZ

NEMA MOTOR FRAME IEC MOTOR FRAME SEPARATE GROUP		140TC 90D 90			180TC 100D 100			--- 112D 112			210TC 132D 132			250TC 160D 160			280TC 180D/200D 180		
RATIO	OUTPUT RATING DATA	3450	1750	1160	3450	1750	1160	3450	1750	1160	3450	1750	1160	3450	1750	1160	3450	1750	1160
22.92	Output RPM	-	-	-	151	76	51	151	76	51	151	76	51	151	76	51	151	76	51
	Input HP (Max) (C)	-	-	-	20.42	10.39	6.87	27.34	13.92	9.19	64.54	32.86	18.60	84.10	43.71	23.97	84.10	49.11	32.88
	Output Torque, In-Lb	-	-	-	8576	8581	8576	11483	11490	11483	27109	27124	23238	35324	36082	29946	35324	40539	41076
	OHL Input Shaft OHL Output Shaft (B)	- -	- -	- -	(A) 6907	713 6907	742 6907	(A) 6907	843 6907	877 6907	(A) 6907	951 6907	985 6907	(A) 6907	1332 6907	1582 6907	(A) 6907	1745 6907	2094 6907
27.02	Output RPM	128	65	43	128	65	43	128	65	43	128	65	43	128	65	43	128	65	43
	Input HP (Max) (C)	9.86	5.01	3.32	20.42	10.36	6.87	27.34	13.88	9.19	64.22	31.87	17.75	75.14	40.43	22.24	75.14	42.16	28.32
	Output Torque, In-Lb	4868	4870	4868	10077	10083	10077	13493	13500	13493	31693	31010	26057	37081	39336	32643	37081	41016	41564
	OHL Input Shaft OHL Output Shaft (B)	(A) 6907	453 6907	471 6907	(A) 6907	711 6907	740 6907	(A) 6907	842 6907	877 6907	(A) 6907	951 6907	991 6907	(A) 6907	1266 6907	1581 6907	(A) 6907	1768 6907	2116 6907
30.61	Output RPM	113	57	38	113	57	38	113	57	38	113	57	38	113	57	38	113	57	38
	Input HP (Max) (C)	9.86	5.01	3.32	20.42	10.36	6.87	27.34	13.88	9.07	58.26	30.56	17.02	68.84	37.54	20.96	68.84	37.54	25.01
	Output Torque, In-Lb	5516	5519	5516	11419	11426	11419	15290	15299	15081	32581	33693	28316	38498	41391	34859	38498	41391	41600
	OHL Input Shaft OHL Output Shaft (B)	(A) 6907	454 6907	473 6907	(A) 6907	708 6907	738 6907	(A) 6907	839 6907	875 6907	(A) 6907	935 6907	989 6907	(A) 6907	1255 6907	1580 6907	(A) 6907	1782 6907	2136 6907
35.92	Output RPM	96	49	32	96	49	32	96	49	32	96	49	32	96	49	32	96	49	32
	Input HP (Max) (C)	9.86	5.01	3.32	20.42	10.36	6.83	27.34	13.88	8.47	51.24	28.80	16.04	59.69	32.17	19.48	59.69	32.17	21.31
	Output Torque, In-Lb	6473	6477	6473	13400	13408	13333	17942	17953	16528	33626	37263	31304	39173	41623	38024	39173	41623	41600
	OHL Input Shaft OHL Output Shaft (B)	(A) 6907	456 6907	470 6907	(A) 6907	709 6907	739 6907	(A) 6907	840 6907	874 6907	(A) 6907	935 6907	986 6907	(A) 6907	1271 6907	1587 6907	(A) 6907	1802 6907	2159 6907
39.19	Output RPM	88	45	30	88	45	30	88	45	30	88	45	30	88	45	30	88	45	30
	Input HP (Max) (C)	9.86	5.01	3.32	20.42	10.36	6.58	27.34	13.88	8.13	47.70	27.84	15.51	54.34	29.47	18.83	54.34	29.47	19.54
	Output Torque, In-Lb	7061	7065	7061	14618	14627	14002	19574	19585	17310	34151	39300	33022	38904	41587	40101	38904	41587	41600
	OHL Input Shaft OHL Output Shaft (B)	(A) 6907	456 6907	474 6907	(A) 6907	712 6907	738 6907	(A) 6907	755 6907	874 6907	(A) 6907	948 6907	994 6907	(A) 6907	1298 6907	1585 6907	(A) 6907	1813 6907	2170 6907
41.38	Output RPM	-	-	-	-	-	-	-	-	-	83	42	28	83	42	28	83	42	28
	Input HP (Max) (C)	-	-	-	-	-	-	-	-	-	48.18	27.93	18.50	48.18	27.93	18.50	48.18	27.93	18.50
	Output Torque, In-Lb	-	-	-	-	-	-	-	-	-	36425	41623	41600	36425	41623	41600	36425	41623	41600
	OHL Input Shaft OHL Output Shaft (B)	- -	- -	- -	- -	- -	- -	- -	- -	- -	(A) 6907	953 6907	992 6907	(A) 6907	1526 6907	1579 6907	(A) 6907	2158 6907	2501 6907
48.14	Output RPM	-	-	-	-	-	-	-	-	-	72	36	24	72	36	24	72	36	24
	Input HP (Max) (C)	-	-	-	-	-	-	-	-	-	43.34	24.01	15.90	43.34	24.01	15.90	43.34	24.01	15.90
	Output Torque, In-Lb	-	-	-	-	-	-	-	-	-	38118	41623	41600	38118	41623	41600	38118	41623	41600
	OHL Input Shaft OHL Output Shaft (B)	- -	- -	- -	- -	- -	- -	- -	- -	- -	(A) 6907	946 6907	986 6907	(A) 6907	1524 6907	1588 6907	(A) 6907	2174 6907	2502 6907
53.36	Output RPM	-	-	-	-	-	-	65	33	22	65	33	22	65	33	22	65	33	22
	Input HP (Max) (C)	-	-	-	-	-	-	27.34	13.88	9.19	40.33	21.66	14.35	40.33	21.66	14.35	40.33	21.66	14.35
	Output Torque, In-Lb	-	-	-	-	-	-	26650	26665	26650	39312	41623	41600	39312	41623	41600	39312	41623	41600
	OHL Input Shaft OHL Output Shaft (B)	- -	- -	- -	- -	- -	- -	(A) 6907	838 6907	873 6907	(A) 6907	950 6907	989 6907	(A) 6907	1527 6907	1590 6907	(A) 6907	2183 6907	2502 6907
63.41	Output RPM	-	-	-	54	28	18	54	28	18	54	28	18	54	28	18	54	28	18
	Input HP (Max) (C)	-	-	-	20.42	10.36	6.87	27.34	13.88	9.19	35.11	18.23	12.08	35.11	18.23	12.08	35.11	18.23	12.08
	Output Torque, In-Lb	-	-	-	23651	23665	23651	31669	31686	31669	40669	41623	41600	40669	41623	41600	40669	41623	41600
	OHL Input Shaft OHL Output Shaft (B)	- -	- -	- -	(A) 6907	713 6907	742 6907	(A) 6907	843 6907	869 6907	(A) 6907	947 6907	987 6907	(A) 6907	1531 6907	1594 6907	(A) 6907	2198 6907	2503 6907

(A) (B) (C) - See Footnote page on inside back cover

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MOUNTING POSITION PAGE RHB-7	SELECTION OIL QUANTITIES PAGE RHB-7	SELECTION GEARMOTORS PAGE RHB-49	DIMENSIONS PAGE RHB-92
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# SELECTION

## RIGHT ANGLE HELICAL BEVEL REDUCER (RHB) Service Factor 1.0 / Clamp Collar / 3 Pc Coupled / Separate Triple Reduction

SIZE: B\_1283  
60HZ

NEMA MOTOR FRAME IEC MOTOR FRAME SEPARATE GROUP		140TC 90D 90			180TC 100D 100			--- 112D 112			210TC 132D 132			250TC 160D 160			280TC 180D/200D 180		
RATIO	OUTPUT RATING DATA	3450	1750	1160	3450	1750	1160	3450	1750	1160	3450	1750	1160	3450	1750	1160	3450	1750	1160
73.18	Output RPM	-	-	-	47	24	16	47	24	16	47	24	16	47	24	16	47	24	16
	Input HP (Max) (C)	-	-	-	20.42	10.36	6.87	27.34	13.88	9.19	30.75	15.79	10.46	30.75	15.79	10.46	30.75	15.79	10.46
	Output Torque, In-Lb	-	-	-	27296	27311	27296	36549	36569	36549	41104	41623	41600	41104	41623	41600	41104	41623	41600
	OHL Input Shaft	-	-	-	(A)	713	742	(A)	843	877	(A)	952	992	(A)	1532	1595	(A)	2209	2503
	OHL Output Shaft (B)	-	-	-	6907	6907	6907	6907	6907	6907	6907	6907	6907	6907	6907	6907	6907	6907	6907
85.98	Output RPM	40	20	13	40	20	13	40	20	13	40	20	13	40	20	13	40	20	13
	Input HP (Max) (C)	9.86	5.01	3.32	20.42	10.36	6.87	26.48	13.44	8.90	26.48	13.44	8.90	26.48	13.44	8.90	26.48	13.44	8.90
	Output Torque, In-Lb	15493	15501	15493	32073	32091	32073	41600	41623	41600	41600	41623	41600	41600	41623	41600	41600	41623	41600
	OHL Input Shaft	(A)	453	471	(A)	711	740	(A)	842	877	(A)	955	994	(A)	1533	1596	(A)	2220	2503
	OHL Output Shaft (B)	6907	6907	6907	6907	6907	6907	6907	6907	6907	6907	6907	6907	6907	6907	6907	6907	6907	6907
97.44	Output RPM	35	18	12	35	18	12	35	18	12	35	18	12	35	18	12	35	18	12
	Input HP (Max) (C)	9.86	5.01	3.32	20.42	10.36	6.87	23.37	11.86	7.86	23.37	11.86	7.86	23.37	11.86	7.86	23.37	11.86	7.86
	Output Torque, In-Lb	17556	17566	17556	36345	36365	36345	41600	41623	41600	41600	41623	41600	41600	41623	41600	41600	41623	41600
	OHL Input Shaft	(A)	454	473	(A)	708	738	(A)	843	878	(A)	956	996	(A)	1534	1596	(A)	2227	2503
	OHL Output Shaft (B)	6907	6907	6907	6907	6907	6907	6907	6907	6907	6907	6907	6907	6907	6907	6907	6907	6907	6907
114.34	Output RPM	30	15	10	30	15	10	30	15	10	30	15	10	30	15	10	30	15	10
	Input HP (Max) (C)	9.86	5.01	3.32	19.92	10.11	6.70	19.92	10.11	6.70	19.92	10.11	6.70	19.92	10.11	6.70	19.92	10.11	6.70
	Output Torque, In-Lb	20602	20614	20602	41600	41623	41600	41600	41623	41600	41600	41623	41600	41600	41623	41600	41600	41623	41600
	OHL Input Shaft	(A)	456	470	(A)	710	740	(A)	844	878	(A)	958	997	(A)	1534	1597	(A)	2234	2480
	OHL Output Shaft (B)	6907	6907	6907	6907	6907	6907	6907	6907	6907	6907	6907	6907	6907	6907	6907	6907	6907	6907
124.74	Output RPM	28	14	9	28	14	9	28	14	9	28	14	9	28	14	9	28	14	9
	Input HP (Max) (C)	9.86	5.01	3.32	18.26	9.27	6.14	18.26	9.27	6.14	18.26	9.27	6.14	18.26	9.27	6.14	18.26	9.27	6.14
	Output Torque, In-Lb	22475	22488	22475	41600	41623	41600	41600	41623	41600	41600	41623	41600	41600	41623	41600	41600	41623	41600
	OHL Input Shaft	(A)	456	474	(A)	706	736	(A)	836	871	(A)	958	997	(A)	1534	1597	(A)	2238	2481
	OHL Output Shaft (B)	6907	6907	6907	6907	6907	6907	6907	6907	6907	6907	6907	6907	6907	6907	6907	6907	6907	6907
136.07	Output RPM	25	13	9	25	13	9	25	13	9	25	13	9	25	13	9	25	13	9
	Input HP (Max) (C)	9.86	5.01	3.25	16.74	8.49	5.63	16.74	8.49	5.63	16.74	8.49	5.63	16.74	8.49	5.63	16.74	8.49	5.63
	Output Torque, In-Lb	24516	24530	24030	41600	41623	41600	41600	41623	41600	41600	41623	41600	41600	41623	41600	41600	41623	41600
	OHL Input Shaft	(A)	456	475	(A)	708	738	(A)	838	873	(A)	958	997	(A)	1534	1597	(A)	2241	2485
	OHL Output Shaft (B)	6907	6907	6907	6907	6907	6907	6907	6907	6907	6907	6907	6907	6907	6907	6907	6907	6907	6907
146.84	Output RPM	23	12	8	23	12	8	23	12	8	23	12	8	23	12	8	23	12	8
	Input HP (Max) (C)	9.86	5.01	3.14	15.51	7.87	5.21	15.51	7.87	5.21	15.51	7.87	5.21	15.51	7.87	5.21	15.51	7.87	5.21
	Output Torque, In-Lb	26457	26472	25029	41600	41623	41600	41600	41623	41600	41600	41623	41600	41600	41623	41600	41600	41623	41600
	OHL Input Shaft	(A)	455	475	(A)	710	740	(A)	839	871	(A)	958	998	(A)	1534	1597	(A)	2240	2489
	OHL Output Shaft (B)	6907	6907	6907	6907	6907	6907	6907	6907	6907	6907	6907	6907	6907	6907	6907	6907	6907	6907
164.11	Output RPM	21	11	7	21	11	7	21	11	7	21	11	7	21	11	7	-	-	-
	Input HP (Max) (C)	9.86	5.01	2.97	13.88	7.04	4.67	13.88	7.04	4.67	13.88	7.04	4.67	13.88	7.04	4.67	-	-	-
	Output Torque, In-Lb	29570	29587	26466	41600	41623	41600	41600	41623	41600	41600	41623	41600	41600	41623	41600	-	-	-
	OHL Input Shaft	(A)	454	475	(A)	711	741	(A)	838	873	(A)	959	998	(A)	1534	1597	-	-	-
	OHL Output Shaft (B)	6907	6907	6907	6907	6907	6907	6907	6907	6907	6907	6907	6907	6907	6907	6907	-	-	-
175.80	Output RPM	20	10	7	20	10	7	20	10	7	20	10	7	20	10	7	-	-	-
	Input HP (Max) (C)	9.86	5.01	2.86	12.95	6.57	4.36	12.95	6.57	4.36	12.95	6.57	4.36	12.95	6.57	4.36	-	-	-
	Output Torque, In-Lb	31676	31693	27347	41600	41623	41600	41600	41623	41600	41600	41623	41600	41600	41623	41600	-	-	-
	OHL Input Shaft	(A)	452	475	(A)	712	741	(A)	839	874	(A)	959	998	(A)	1534	1597	-	-	-
	OHL Output Shaft (B)	6907	6907	6907	6907	6907	6907	6907	6907	6907	6907	6907	6907	6907	6907	6907	-	-	-

(A) (B) (C) - See Footnote page on inside back cover

Blank areas ( - ) indicate configuration not available

MOUNTING POSITION PAGE RHB-7	SELECTION OIL QUANTITIES PAGE RHB-7	SELECTION GEARMOTORS PAGE RHB-49	DIMENSIONS PAGE RHB-92
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# SELECTION

## RIGHT ANGLE HELICAL BEVEL REDUCER (RHB) Service Factor 1.0 / Clamp Collar / 3 Pc Coupled / Separate Triple Reduction

SIZE: B\_1283  
60HZ

NEMA MOTOR FRAME IEC MOTOR FRAME SEPARATE GROUP		140TC 90D 90			180TC 100D 100			--- 112D 112			210TC 132D 132			250TC 160D 160			280TC 180D/200D 180		
RATIO	OUTPUT RATING DATA	3450	1750	1160	3450	1750	1160	3450	1750	1160	3450	1750	1160	3450	1750	1160	3450	1750	1160
189.04	Output RPM	18	9	6	18	9	6	18	9	6	18	9	6	-	-	-	-	-	-
	Input HP (Max) (C)	9.86	4.82	2.75	12.05	6.11	4.05	12.05	6.11	4.05	12.05	6.11	4.05	-	-	-	-	-	-
	Output Torque, In-Lb	34062	32784	28268	41600	41623	41600	41600	41623	41600	41600	41623	41600	-	-	-	-	-	-
	OHL Input Shaft OHL Output Shaft (B)	(A) 452 6907	474 6907	474 6907	(A) 713 6907	742 6907	742 6907	(A) 840 6907	875 6907	875 6907	(A) 959 6907	998 6907	998 6907	-	-	-	-	-	-
204.18	Output RPM	17	9	6	17	9	6	17	9	6	17	9	6	-	-	-	-	-	-
	Input HP (Max) (C)	9.70	4.61	2.64	11.15	5.66	3.75	11.15	5.66	3.75	11.15	5.66	3.75	-	-	-	-	-	-
	Output Torque, In-Lb	36185	33915	29243	41600	41623	41600	41600	41623	41600	41600	41623	41600	-	-	-	-	-	-
	OHL Input Shaft OHL Output Shaft (B)	(A) 452 6907	474 6907	474 6907	(A) 713 6907	742 6907	742 6907	(A) 842 6907	876 6907	876 6907	(A) 959 6907	998 6907	998 6907	-	-	-	-	-	-
221.64	Output RPM	16	8	5	16	8	5	16	8	5	16	8	5	-	-	-	-	-	-
	Input HP (Max) (C)	9.04	4.40	2.52	10.27	5.21	3.45	10.27	5.21	3.45	10.27	5.21	3.45	-	-	-	-	-	-
	Output Torque, In-Lb	36609	35135	30295	41600	41623	41600	41600	41623	41600	41600	41623	41600	-	-	-	-	-	-
	OHL Input Shaft OHL Output Shaft (B)	(A) 454 6907	474 6907	474 6907	(A) 714 6907	743 6907	743 6907	(A) 842 6907	877 6907	877 6907	(A) 959 6907	998 6907	998 6907	-	-	-	-	-	-
221.64	Output RPM	16	8	5	16	8	5	16	8	5	16	8	5	-	-	-	-	-	-
	Input HP (Max) (C)	9.04	4.40	2.52	10.27	5.21	3.45	10.27	5.21	3.45	10.27	5.21	3.45	-	-	-	-	-	-
	Output Torque, In-Lb	36609	35135	30295	41600	41623	41600	41600	41623	41600	41600	41623	41600	-	-	-	-	-	-
	OHL Input Shaft OHL Output Shaft (B)	(A) 454 6907	474 6907	474 6907	(A) 714 6907	743 6907	743 6907	(A) 842 6907	877 6907	877 6907	(A) 959 6907	998 6907	998 6907	-	-	-	-	-	-
242.02	Output RPM	14	7	5	14	7	5	14	7	5	14	7	5	-	-	-	-	-	-
	Input HP (Max) (C)	8.38	4.18	2.39	9.41	4.78	3.16	9.41	4.78	3.16	9.41	4.78	3.16	-	-	-	-	-	-
	Output Torque, In-Lb	37044	36473	31451	41600	41623	41600	41600	41623	41600	41600	41623	41600	-	-	-	-	-	-
	OHL Input Shaft OHL Output Shaft (B)	(A) 454 6907	474 6907	474 6907	(A) 714 6907	743 6907	743 6907	(A) 843 6907	877 6907	877 6907	(A) 959 6907	998 6907	998 6907	-	-	-	-	-	-
270.90	Output RPM	13	6	4	13	6	4	13	6	4	-	-	-	-	-	-	-	-	-
	Input HP (Max) (C)	7.59	3.93	2.24	8.41	4.27	2.83	8.41	4.27	2.83	-	-	-	-	-	-	-	-	-
	Output Torque, In-Lb	37554	38299	33030	41600	41623	41600	41600	41623	41600	-	-	-	-	-	-	-	-	-
	OHL Input Shaft OHL Output Shaft (B)	(A) 453 6907	474 6907	474 6907	(A) 714 6907	743 6907	743 6907	(A) 843 6907	878 6907	878 6907	-	-	-	-	-	-	-	-	-
295.38	Output RPM	12	6	4	12	6	4	12	6	4	-	-	-	-	-	-	-	-	-
	Input HP (Max) (C)	7.03	3.74	2.14	7.71	3.91	2.59	7.71	3.91	2.59	-	-	-	-	-	-	-	-	-
	Output Torque, In-Lb	37912	39802	34323	41600	41623	41600	41600	41623	41600	-	-	-	-	-	-	-	-	-
	OHL Input Shaft OHL Output Shaft (B)	(A) 453 6907	474 6907	474 6907	(A) 714 6907	743 6907	743 6907	(A) 844 6907	878 6907	878 6907	-	-	-	-	-	-	-	-	-

Notes:

(A) (B) (C) - See Footnote page on inside back cover

Blank areas (-) indicate configuration not available

MOUNTING POSITION PAGE RHB-7	SELECTION OIL QUANTITIES PAGE RHB-7	SELECTION GEARMOTORS PAGE RHB-49	DIMENSIONS PAGE RHB-92
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# SELECTION

## RIGHT ANGLE HELICAL BEVEL REDUCER (RHB) Service Factor 1.0 / Clamp Collar / 3 Pc Coupled / Separate Triple Reduction

SIZE: B\_1483  
60HZ

NEMA MOTOR FRAME IEC MOTOR FRAME SEPARATE GROUP		180TC 100D 100			--- 112D 112			210TC 132D 132			250TC 160D 160			280TC 180D/200D 180			320TC 225D 225		
RATIO	OUTPUT RATING DATA	3450	1750	1160	3450	1750	1160	3450	1750	1160	3450	1750	1160	3450	1750	1160	3450	1750	1160
4.83	Output RPM	-	-	-	-	-	-	-	-	-	714	362	240	714	362	240	714	362	240
	Input HP (Max) (C)	-	-	-	-	-	-	-	-	-	89.63	45.49	29.26	182.55	92.65	56.68	253.56	136.15	74.42
	Output Torque, In-Lb	-	-	-	-	-	-	-	-	-	7910	7915	7681	16110	16120	14877	22376	23688	19533
	OHL Output Shaft (B)	-	-	-	-	-	-	-	-	-	(A)	1523	1587	(A)	1739	2148	(A)	2182	2284
6.43	Output RPM	-	-	-	-	-	-	-	-	-	537	272	181	537	272	181	537	272	181
	Input HP (Max) (C)	-	-	-	-	-	-	-	-	-	89.63	45.49	28.08	182.55	92.65	54.61	209.62	126.51	71.76
	Output Torque, In-Lb	-	-	-	-	-	-	-	-	-	10525	10531	9806	21436	21448	19071	24613	29288	25061
	OHL Output Shaft (B)	-	-	-	-	-	-	-	-	-	(A)	1474	1587	(A)	1631	2075	(A)	2133	2274
7.44	Output RPM	-	-	-	-	-	-	464	235	156	464	235	156	464	235	156	464	235	156
	Input HP (Max) (C)	-	-	-	-	-	-	64.56	32.76	19.88	89.63	45.49	27.17	177.27	92.67	53.02	189.91	116.71	69.87
	Output Torque, In-Lb	-	-	-	-	-	-	8775	8780	8039	12187	12193	10987	24100	24838	21438	25819	31280	28251
	OHL Output Shaft (B)	-	-	-	-	-	-	(A)	948	990	(A)	1442	1588	(A)	1562	2036	(A)	2094	2287
8.79	Output RPM	-	-	-	-	-	-	393	199	132	393	199	132	393	199	132	393	199	132
	Input HP (Max) (C)	-	-	-	-	-	-	65.54	32.76	19.25	89.63	45.49	25.49	157.40	91.75	50.17	169.74	105.76	66.98
	Output Torque, In-Lb	-	-	-	-	-	-	10360	10366	9192	14388	14396	12168	25266	29036	23949	27246	33468	31974
	OHL Output Shaft (B)	-	-	-	-	-	-	(A)	949	990	(A)	1397	1589	(A)	1321	2003	(A)	2058	2285
9.77	Output RPM	-	-	-	-	-	-	-	-	-	353	179	119	353	179	119	353	179	119
	Input HP (Max) (C)	-	-	-	-	-	-	-	-	-	89.63	45.49	29.26	182.55	92.66	56.68	244.22	136.16	74.42
	Output Torque, In-Lb	-	-	-	-	-	-	-	-	-	16000	16009	15536	32587	32606	30092	43594	47914	39510
	OHL Output Shaft (B)	-	-	-	-	-	-	-	-	-	(A)	1523	1587	(A)	1739	2148	(A)	2182	2284
13.00	Output RPM	-	-	-	-	-	-	-	-	-	265	135	89	265	135	89	265	135	89
	Input HP (Max) (C)	-	-	-	-	-	-	-	-	-	89.63	45.49	28.08	182.55	92.65	54.61	207.73	126.53	71.76
	Output Torque, In-Lb	-	-	-	-	-	-	-	-	-	21289	21301	19834	43358	43383	38575	49338	59242	50692
	OHL Output Shaft (B)	-	-	-	-	-	-	-	-	-	(A)	1474	1587	(A)	1631	2075	(A)	2128	2274
15.05	Output RPM	-	-	-	-	-	-	229	116	77	229	116	77	229	116	77	229	116	77
	Input HP (Max) (C)	-	-	-	-	-	-	64.54	32.76	19.88	89.63	45.49	27.17	177.26	92.65	53.02	189.91	116.70	69.87
	Output Torque, In-Lb	-	-	-	-	-	-	17750	17760	16261	24650	24664	22224	48749	50233	43364	52226	63268	57145
	OHL Output Shaft (B)	-	-	-	-	-	-	(A)	948	990	(A)	1442	1588	(A)	1562	2036	(A)	2094	2287
17.77	Output RPM	-	-	-	-	-	-	194	98	65	194	98	65	194	98	65	194	98	65
	Input HP (Max) (C)	-	-	-	-	-	-	64.54	32.76	19.25	89.63	45.49	25.49	157.40	91.76	50.17	169.74	103.53	66.98
	Output Torque, In-Lb	-	-	-	-	-	-	20956	20968	18594	29102	29119	24613	51106	58731	48443	55111	66265	64674
	OHL Output Shaft (B)	-	-	-	-	-	-	(A)	949	990	(A)	1397	1589	(A)	1321	2003	(A)	2120	2285
19.84	Output RPM	-	-	-	174	88	59	174	88	59	174	88	59	174	88	59	174	88	59
	Input HP (Max) (C)	-	-	-	27.34	13.88	9.19	64.54	32.76	18.60	89.63	43.58	23.97	145.01	87.33	47.76	157.48	93.52	62.90
	Output Torque, In-Lb	-	-	-	9911	9917	9911	23398	23411	20057	32493	31142	25846	52568	62412	51490	57090	66834	67818
	OHL Output Shaft (B)	-	-	-	(A)	835	870	(A)	949	991	(A)	1384	1589	(A)	1250	1983	(A)	2192	2285

(A) (B) (C) - See Footnote page on inside back cover

Blank areas (-) indicate configuration not available

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# SELECTION

## RIGHT ANGLE HELICAL BEVEL REDUCER (RHB) Service Factor 1.0 / Clamp Collar / 3 Pc Coupled / Separate Triple Reduction

**SIZE: B\_1483  
60HZ**

NEMA MOTOR FRAME IEC MOTOR FRAME SEPARATE GROUP		180TC 100D 100			--- 112D 112			210TC 132D 132			250TC 160D 160			280TC 180D/200D 180			320TC 225D 225		
RATIO	OUTPUT RATING DATA	3450	1750	1160	3450	1750	1160	3450	1750	1160	3450	1750	1160	3450	1750	1160	3450	1750	1160
23.19	Output RPM	149	75	50	149	75	50	149	75	50	149	75	50	149	75	50	149	75	50
	Input HP (Max) (C)	20.42	10.36	6.87	27.34	13.88	9.19	64.54	31.87	17.75	89.63	40.43	22.24	128.69	81.03	45.42	141.61	81.03	54.46
	Output Torque, In-Lb	8649	8654	8649	11581	11588	11581	27340	26617	22365	37968	33762	28018	54513	67670	57227	59983	67670	68611
	OHL Input Shaft OHL Output Shaft (B)	(A) 11162	713 11951	742 12561	(A) 11162	843 11951	877 12561	(A) 11162	946 12561	990 12561	(A) 11162	1370 11951	1589 12561	(A) 11162	1151 11951	1938 12561	(A) 11162	2199 11951	2292 12561
26.58	Output RPM	130	66	44	130	66	44	130	66	44	130	66	44	130	66	44	130	66	44
	Input HP (Max) (C)	20.42	10.36	6.87	27.34	13.88	9.07	64.54	30.56	17.02	89.33	38.10	20.96	115.52	71.44	44.33	128.96	71.44	48.00
	Output Torque, In-Lb	9916	9922	9916	13277	13285	13096	31345	29258	24589	43382	36474	30270	56100	68393	64027	62627	68393	69335
	OHL Input Shaft OHL Output Shaft (B)	(A) 11162	712 11951	741 12561	(A) 11162	842 11951	877 12561	(A) 11162	952 12561	988 12561	(A) 11162	1352 11951	1588 12561	(A) 11162	1213 11951	1873 12561	(A) 11162	2189 11951	2283 12561
30.74	Output RPM	-	-	-	112	57	38	112	57	38	112	57	38	112	57	38	112	57	38
	Input HP (Max) (C)	-	-	-	27.34	13.88	8.47	63.45	28.80	16.04	79.37	35.42	19.48	114.77	62.48	41.99	114.77	62.48	41.99
	Output Torque, In-Lb	-	-	-	15351	15359	14140	35627	31881	26783	44566	39207	32532	64442	69154	70112	64442	69154	70112
	OHL Input Shaft OHL Output Shaft (B)	- -	- -	- -	(A) 11162	840 12561	877 13027	(A) 11162	953 12561	986 13027	(A) 11162	1334 12561	1587 13027	(A) 11162	1268 12561	1824 13027	(A) 11162	2197 12561	2290 13027
31.10	Output RPM	-	-	-	-	-	-	111	56	37	111	56	37	111	56	37	111	56	37
	Input HP (Max) (C)	-	-	-	-	-	-	64.54	32.76	20.52	89.63	45.49	29.26	116.84	63.25	41.90	116.84	63.25	41.90
	Output Torque, In-Lb	-	-	-	-	-	-	36670	36691	34665	50925	50954	49448	66384	70848	70808	66384	70848	70808
	OHL Input Shaft OHL Output Shaft (B)	- -	- -	- -	- -	- -	- -	(A) 11162	950 12561	990 13027	(A) 11162	1523 12561	1587 13027	(A) 11162	1957 12561	2313 13027	(A) 11162	2205 12561	2297 13027
41.38	Output RPM	-	-	-	-	-	-	83	42	28	83	42	28	83	42	28	83	42	28
	Input HP (Max) (C)	-	-	-	-	-	-	64.54	32.76	20.06	89.63	42.12	23.17	91.66	47.54	26.35	91.66	47.54	31.49
	Output Torque, In-Lb	-	-	-	-	-	-	48791	48818	45106	67758	62775	52093	69288	70848	59243	69288	70848	70808
	OHL Input Shaft OHL Output Shaft (B)	- -	- -	- -	- -	- -	- -	(A) 11951	949 12561	990 13027	(A) 11951	1504 12561	1592 13027	(A) 11951	2018 12561	2443 13027	(A) 11951	2194 12561	2287 13027
47.91	Output RPM	-	-	-	-	-	-	72	37	24	72	37	24	72	37	24	72	37	24
	Input HP (Max) (C)	-	-	-	-	-	-	64.54	32.76	19.88	80.10	41.06	27.17	80.10	41.06	27.20	80.10	41.06	27.20
	Output Torque, In-Lb	-	-	-	-	-	-	56494	56526	51755	70108	70848	70736	70108	70848	70808	70108	70848	70808
	OHL Input Shaft OHL Output Shaft (B)	- -	- -	- -	- -	- -	- -	(A) 11951	948 13027	991 13027	(A) 11951	1484 13027	1588 13027	(A) 11951	2044 13027	2403 13027	(A) 11951	2190 13027	2283 13027
56.57	Output RPM	-	-	-	-	-	-	61	31	21	61	31	21	61	31	21	61	31	21
	Input HP (Max) (C)	-	-	-	-	-	-	64.54	32.76	19.25	68.52	34.78	23.04	68.52	34.78	23.04	68.52	34.78	23.04
	Output Torque, In-Lb	-	-	-	-	-	-	66699	66736	59180	70808	70848	70808	70808	70848	70808	70808	70848	70808
	OHL Input Shaft OHL Output Shaft (B)	- -	- -	- -	- -	- -	- -	(A) 12561	949 13027	990 13027	(A) 12561	1509 13027	1591 13027	(A) 12561	2068 13027	2426 13027	(A) 12561	2199 13027	2292 13027
63.16	Output RPM	-	-	-	55	28	18	55	28	18	55	28	18	55	28	18	55	28	18
	Input HP (Max) (C)	-	-	-	27.34	13.88	9.19	61.37	31.15	18.60	61.37	31.15	20.63	61.37	31.15	20.63	61.37	31.15	20.63
	Output Torque, In-Lb	-	-	-	31545	31563	31545	70808	70848	63836	70808	70848	70808	70808	70848	70808	70808	70848	70808
	OHL Input Shaft OHL Output Shaft (B)	- -	- -	- -	(A) 12561	835 13027	870 13027	(A) 12561	950 13027	994 13027	(A) 12561	1524 13027	1593 13027	(A) 12561	2084 13027	2439 13027	(A) 12561	2202 13027	2295 13027
73.80	Output RPM	47	24	16	47	24	16	47	24	16	47	24	16	47	24	16	47	24	16
	Input HP (Max) (C)	20.42	10.36	6.87	27.34	13.88	9.19	52.52	26.66	17.66	52.52	26.66	17.66	52.52	26.66	17.66	52.52	26.66	17.66
	Output Torque, In-Lb	27528	27544	27528	36860	36881	36860	70808	70848	70808	70808	70848	70808	70808	70848	70808	70808	70848	70808
	OHL Input Shaft OHL Output Shaft (B)	(A) 12561	713 13027	742 13027	(A) 12561	843 13027	877 13027	(A) 12561	950 13027	995 13027	(A) 12561	1531 13027	1594 13027	(A) 12561	2100 13027	2455 13027	(A) 12561	2206 13027	2298 13027

(A) (B) (C) - See Footnote page on inside back cover

Blank areas (-) indicate configuration not available

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# SELECTION

## RIGHT ANGLE HELICAL BEVEL REDUCER (RHB) Service Factor 1.0 / Clamp Collar / 3 Pc Coupled / Separate Triple Reduction

SIZE: B\_1483  
60HZ

NEMA MOTOR FRAME IEC MOTOR FRAME SEPARATE GROUP		180TC 100D 100			--- 112D 112			210TC 132D 132			250TC 160D 160			280TC 180D/200D 180			320TC 225D 225			
RATIO	OUTPUT RATING DATA	3450	1750	1160	3450	1750	1160	3450	1750	1160	3450	1750	1160	3450	1750	1160	3450	1750	1160	
84.61	Output RPM	41	21	14	41	21	14	41	21	14	41	21	14	41	21	14	41	21	14	
	Input HP (Max) (C)	20.42	10.36	6.87	27.34	13.88	9.07	45.81	23.25	15.40	45.81	23.25	15.40	45.81	23.25	15.40	45.81	23.25	15.40	
	Output Torque, In-Lb	31561	31579	31561	42259	42283	41682	70808	70848	70808	70808	70848	70808	70808	70848	70808	70808	70848	70808	70808
	OHL Input Shaft (A)	(A)	712	741	(A)	842	877	(A)	954	995	(A)	1532	1595	(A)	2113	2468	(A)	2207	2307	2300
	OHL Output Shaft (B)	(B)	12561	13027	13027	12561	13027	13027	12561	13027	13027	12561	13027	13027	12561	13027	13027	12561	13027	13027
97.82	Output RPM	-	-	-	35	18	12	35	18	12	35	18	12	35	18	12	35	18	12	
	Input HP (Max) (C)	-	-	-	27.34	13.88	8.47	39.62	20.11	13.32	39.62	20.11	13.32	39.62	20.11	13.32	39.62	20.11	13.32	
	Output Torque, In-Lb	-	-	-	48858	48886	45006	70808	70848	70808	70808	70848	70808	70808	70848	70808	70808	70848	70808	70808
	OHL Input Shaft (A)	-	-	-	(A)	840	877	(A)	956	996	(A)	1521	1585	(A)	2124	2483	(A)	2208	2301	2301
	OHL Output Shaft (B)	-	-	-	13027	13027	13027	13027	13027	13027	13027	13027	13027	13027	13027	13027	13027	13027	13027	13027
101.53	Output RPM	34	17	11	34	17	11	34	17	11	34	17	11	34	17	11	34	17	11	
	Input HP (Max) (C)	20.42	10.36	6.58	27.34	13.88	8.13	38.17	19.37	12.84	38.17	19.37	12.84	38.17	19.37	12.84	38.17	19.37	12.84	
	Output Torque, In-Lb	37873	37894	36277	50711	50740	44846	70808	70848	70808	70808	70848	70808	70808	70848	70808	70808	70848	70808	70808
	OHL Input Shaft (A)	(A)	708	740	(A)	839	878	(A)	956	996	(A)	1522	1586	(A)	2127	2485	(A)	2209	2301	2301
	OHL Output Shaft (B)	(B)	13027	13027	13027	13027	13027	13027	13027	13027	13027	13027	13027	13027	13027	13027	13027	13027	13027	13027
112.35	Output RPM	31	16	10	31	16	10	31	16	10	31	16	10	31	16	10	31	16	10	
	Input HP (Max) (C)	20.42	10.36	6.32	27.34	13.88	7.80	34.50	17.51	11.60	34.50	17.51	11.60	34.50	17.51	11.60	34.50	17.51	11.60	
	Output Torque, In-Lb	41908	41932	38551	56114	56146	47606	70808	70848	70808	70808	70848	70808	70808	70848	70808	70808	70848	70808	70808
	OHL Input Shaft (A)	(A)	711	739	(A)	835	877	(A)	957	997	(A)	1520	1583	(A)	2134	2491	(A)	2209	2301	2301
	OHL Output Shaft (B)	(B)	13027	13027	13027	13027	13027	13027	13027	13027	13027	13027	13027	13027	13027	13027	13027	13027	13027	13027
131.49	Output RPM	26	13	9	26	13	9	26	13	9	26	13	9	26	13	9	26	13	9	
	Input HP (Max) (C)	20.42	10.36	6.08	27.34	13.44	7.51	29.48	14.96	9.91	29.48	14.96	9.91	29.48	14.96	9.91	29.48	14.96	9.91	
	Output Torque, In-Lb	49047	49075	43464	65673	63665	53666	70808	70848	70808	70808	70848	70808	70808	70848	70808	70808	70848	70808	70808
	OHL Input Shaft (A)	(A)	712	737	(A)	838	876	(A)	957	988	(A)	1525	1589	(A)	2143	2499	(A)	2210	2302	2302
	OHL Output Shaft (B)	(B)	13027	13027	13027	13027	13027	13027	13027	13027	13027	13027	13027	13027	13027	13027	13027	13027	13027	13027
142.41	Output RPM	24	12	8	24	12	8	24	12	8	24	12	8	24	12	8	24	12	8	
	Input HP (Max) (C)	20.42	10.09	5.75	27.22	12.71	7.10	27.22	13.81	9.15	27.22	13.81	9.15	27.22	13.81	9.15	27.22	13.81	9.15	
	Output Torque, In-Lb	53118	51758	44498	70808	65162	54930	70808	70848	70808	70808	70848	70808	70808	70848	70808	70808	70848	70808	70808
	OHL Input Shaft (A)	(A)	712	737	(A)	838	876	(A)	958	990	(A)	1527	1590	(A)	2147	2503	(A)	2210	2302	2302
	OHL Output Shaft (B)	(B)	13027	13027	13027	13027	13027	13027	13027	13027	13027	13027	13027	13027	13027	13027	13027	13027	13027	13027
158.93	Output RPM	22	11	7	22	11	7	22	11	7	22	11	7	22	11	7	-	-	-	
	Input HP (Max) (C)	20.42	9.75	5.55	24.39	12.30	6.87	24.39	12.38	8.20	24.39	12.38	8.20	24.39	12.38	8.2	-	-	-	
	Output Torque, In-Lb	59283	55811	47967	70808	70405	59350	70808	70848	70808	70808	70848	70808	70808	70848	70808	-	-	-	
	OHL Input Shaft (A)	(A)	659	736	(A)	751	875	(A)	949	989	(A)	1529	1592	(A)	2153	2503	-	-	-	
	OHL Output Shaft (B)	(B)	13027	13027	13027	13027	13027	13027	13027	13027	13027	13027	13027	13027	13027	13027	-	-	-	
168.50	Output RPM	21	10	7	21	10	7	21	10	7	21	10	7	21	10	7	-	-	-	
	Input HP (Max) (C)	20.04	9.39	5.35	23.00	11.67	6.64	23.00	11.67	7.73	23.00	11.67	7.73	23.00	11.67	7.73	-	-	-	
	Output Torque, In-Lb	61693	57009	48995	70808	70848	60811	70808	70848	70808	70808	70848	70808	70808	70848	70808	-	-	-	
	OHL Input Shaft (A)	(A)	639	736	(A)	755	875	(A)	950	991	(A)	1530	1593	(A)	2155	2503	-	-	-	
	OHL Output Shaft (B)	(B)	13027	13027	13027	13027	13027	13027	13027	13027	13027	13027	13027	13027	13027	13027	-	-	-	
191.02	Output RPM	18	9	6	18	9	6	18	9	6	18	9	6	-	-	-	-	-	-	
	Input HP (Max) (C)	17.97	9.04	5.15	20.29	10.30	6.43	20.29	10.30	6.82	20.29	10.30	6.82	-	-	-	-	-	-	
	Output Torque, In-Lb	62722	62204	53474	70808	70848	66706	70808	70848	70808	70808	70848	70808	-	-	-	-	-	-	
	OHL Input Shaft (A)	(A)	514	738	(A)	786	873	(A)	950	992	(A)	1531	1594	-	-	-	-	-	-	
	OHL Output Shaft (B)	(B)	13027	13027	13027	13027	13027	13027	13027	13027	13027	13027	13027	-	-	-	-	-	-	

(A) (B) (C) - See Footnote page on inside back cover

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# SELECTION

## RIGHT ANGLE HELICAL BEVEL REDUCER (RHB) Service Factor 1.0 / Clamp Collar / 3 Pc Coupled / Separate Triple Reduction

SIZE: B\_1483  
60HZ

NEMA MOTOR FRAME IEC MOTOR FRAME SEPARATE GROUP		180TC 100D 100			--- 112D 112			210TC 132D 132			250TC 160D 160			280TC 180D/200D 180			320TC 225D 225		
RATIO	OUTPUT RATING DATA	3450	1750	1160	3450	1750	1160	3450	1750	1160	3450	1750	1160	3450	1750	1160	3450	1750	1160
204.38	Output RPM	17	9	6	17	9	6	17	9	6	17	9	6	-	-	-	-	-	-
	Input HP (Max) (C)	16.94	8.55	4.96	18.96	9.63	6.22	18.96	9.63	6.38	18.96	9.63	6.38	-	-	-	-	-	-
	Output Torque, In-Lb	63232	62906	55056	70808	70848	69050	70808	70848	70808	70808	70848	70808	-	-	-	-	-	-
	OHL Input Shaft OHL Output Shaft (B)	(A) 13027	507 13027	737 13027	(A) 13027	801 13027	873 13027	(A) 13027	951 13027	993 13027	(A) 13027	1532 13027	1595 13027	-	-	-	-	-	-
214.96	Output RPM	16	8	5	16	8	5	16	8	5	-	-	-	-	-	-	-	-	-
	Input HP (Max) (C)	16.20	12.06	4.76	18.03	9.15	6.03	18.03	9.15	6.06	-	-	-	-	-	-	-	-	-
	Output Torque, In-Lb	63600	93376	55647	70808	70848	70387	70808	70848	70808	-	-	-	-	-	-	-	-	-
	OHL Input Shaft OHL Output Shaft (B)	(A) 13027	(A) 13027	738 13027	(A) 13027	815 13027	873 13027	(A) 13027	952 13027	994 13027	-	-	-	-	-	-	-	-	-
231.95	Output RPM	15	8	5	15	8	5	15	8	5	-	-	-	-	-	-	-	-	-
	Input HP (Max) (C)	15.13	11.26	4.54	16.71	8.48	5.62	16.71	8.48	5.62	-	-	-	-	-	-	-	-	-
	Output Torque, In-Lb	64128	94062	57156	70808	70848	70808	70808	70848	70808	-	-	-	-	-	-	-	-	-
	OHL Input Shaft OHL Output Shaft (B)	(A) 13027	(A) 13027	737 13027	(A) 13027	830 13027	874 13027	(A) 13027	953 13027	995 13027	-	-	-	-	-	-	-	-	-
251.95	Output RPM	14	7	5	14	7	5	14	7	5	-	-	-	-	-	-	-	-	-
	Input HP (Max) (C)	14.07	7.13	4.48	15.41	7.81	5.18	15.41	7.81	5.18	-	-	-	-	-	-	-	-	-
	Output Torque, In-Lb	64653	64739	61181	70808	70848	70808	70808	70848	70808	-	-	-	-	-	-	-	-	-
	OHL Input Shaft OHL Output Shaft (B)	(A) 13027	(A) 13027	742 13027	(A) 13027	840 13027	875 13027	(A) 13027	955 13027	994 13027	-	-	-	-	-	-	-	-	-
274.42	Output RPM	13	6	4	13	6	4	13	6	4	-	-	-	-	-	-	-	-	-
	Input HP (Max) (C)	13.00	6.62	4.75	14.12	7.17	4.75	14.12	7.17	4.75	-	-	-	-	-	-	-	-	-
	Output Torque, In-Lb	65181	65438	70808	70808	70848	70808	70808	70848	70808	-	-	-	-	-	-	-	-	-
	OHL Input Shaft OHL Output Shaft (B)	(A) 13027	(A) 13027	683 13027	(A) 13027	841 13027	876 13027	(A) 13027	955 13027	994 13027	-	-	-	-	-	-	-	-	-
306.08	Output RPM	11	6	4	11	6	4	-	-	-	-	-	-	-	-	-	-	-	-
	Input HP (Max) (C)	11.77	6.01	4.26	12.66	6.43	4.26	-	-	-	-	-	-	-	-	-	-	-	-
	Output Torque, In-Lb	65793	66221	70808	70808	70848	70808	-	-	-	-	-	-	-	-	-	-	-	-
	OHL Input Shaft OHL Output Shaft (B)	(A) 13027	(A) 13027	700 13027	(A) 13027	842 13027	877 13027	-	-	-	-	-	-	-	-	-	-	-	-

Notes:

(A) (B) (C) - See Footnote page on inside back cover

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# SELECTION

## RIGHT ANGLE HELICAL BEVEL REDUCER (RHB) Service Factor 1.0 / Clamp Collar / 3 Pc Coupled / Separate Triple Reduction

SIZE: B\_1683  
60HZ

NEMA MOTOR FRAME IEC MOTOR FRAME SEPARATE GROUP		210TC 132D 132			250TC 160D 160			280TC 180D/200D 180			320TC 225D 225			360TC 250D 250		
RATIO	OUTPUT RATING DATA	3450	1750	1160	3450	1750	1160	3450	1750	1160	3450	1750	1160	3450	1750	1160
6.61	Output RPM	-	-	-	522	265	176	522	265	176	522	265	176	522	265	176
	Input HP (Max) (C)	-	-	-	89.63	45.49	29.26	182.55	92.65	56.68	230.16	116.82	77.39	238.23	120.91	80.10
	Output Torque, In-Lb	-	-	-	10825	10831	10511	22047	22060	20359	27797	27813	27797	28771	28787	28771
	OHL Input Shaft	-	-	-	(A)	1523	1587	(A)	1745	2479	(A)	2188	2281	(A)	2275	2730
	OHL Output Shaft (B)	-	-	-	(A)	13774	15278	(A)	13774	15278	(A)	13774	15278	(A)	13774	15278
8.64	Output RPM	-	-	-	399	203	134	399	203	134	399	203	134	399	203	134
	Input HP (Max) (C)	-	-	-	89.63	45.49	28.08	182.55	92.65	54.61	222.85	113.11	74.93	230.13	117.78	78.02
	Output Torque, In-Lb	-	-	-	14144	14152	13178	28808	28824	25630	35166	35186	35166	36315	36639	36618
	OHL Input Shaft	-	-	-	(A)	1488	1588	(A)	1640	2491	(A)	2193	2284	(A)	2170	2626
	OHL Output Shaft (B)	-	-	-	(A)	15278	16566	13774	15278	16566	13774	15278	16566	13774	15278	16566
10.17	Output RPM	339	172	114	339	172	114	339	172	114	339	172	114	339	172	114
	Input HP (Max) (C)	64.54	32.76	19.88	89.63	45.49	27.17	182.55	92.65	53.02	212.54	110.37	73.12	209.06	114.28	76.40
	Output Torque, In-Lb	11996	12003	10989	16659	16668	15020	33929	33948	29306	39503	40439	40416	38856	41872	42228
	OHL Input Shaft	(A)	948	990	(A)	1451	1588	(A)	1546	2484	(A)	2189	2284	(A)	2067	2548
	OHL Output Shaft (B)	13774	15278	16566	13774	15278	16566	13774	15278	16566	13774	15278	16566	13774	15278	16566
11.67	Output RPM	296	150	99	296	150	99	296	150	99	296	150	99	296	150	99
	Input HP (Max) (C)	64.54	32.76	19.26	89.63	45.49	25.49	167.24	91.75	50.17	195.15	106.09	70.28	219.32	104.90	73.74
	Output Torque, In-Lb	13759	13767	12208	19107	19118	16160	35650	38560	31806	41600	44583	44558	46753	44083	46753
	OHL Input Shaft	(A)	942	990	(A)	1415	1589	(A)	1334	2007	(A)	2066	2277	(A)	2034	2495
	OHL Output Shaft (B)	13774	16566	17607	13774	16566	17607	13774	16566	17607	13774	16566	17607	13774	16566	17607
12.41	Output RPM	-	-	-	278	141	94	278	141	94	278	141	94	278	141	94
	Input HP (Max) (C)	-	-	-	89.63	45.49	29.26	182.55	92.66	56.68	230.16	116.82	77.39	238.23	120.91	80.10
	Output Torque, In-Lb	-	-	-	20316	20328	19727	41378	41401	38209	52168	52198	52168	53996	54027	53996
	OHL Input Shaft	-	-	-	(A)	1523	1587	(A)	1745	2479	(A)	2188	2281	(A)	2275	2730
	OHL Output Shaft (B)	-	-	-	(A)	13774	16566	17607	13774	16566	17607	13774	16566	17607	13774	16566
16.21	Output RPM	-	-	-	213	108	72	213	108	72	213	108	72	213	108	72
	Input HP (Max) (C)	-	-	-	89.63	45.49	28.08	182.55	92.65	54.61	222.85	113.10	74.93	230.13	117.77	78.02
	Output Torque, In-Lb	-	-	-	26546	26561	24732	54065	54096	48101	65999	66036	65999	68155	68762	68723
	OHL Input Shaft	-	-	-	(A)	1488	1588	(A)	1640	2491	(A)	2193	2284	(A)	2170	2626
	OHL Output Shaft (B)	-	-	-	15278	16566	17607	15278	16566	17607	15278	16566	17607	15278	16566	17607
19.09	Output RPM	181	92	61	181	92	61	181	92	61	181	92	61	181	92	61
	Input HP (Max) (C)	64.54	32.76	19.88	89.63	45.49	27.17	182.55	92.65	53.02	212.54	110.37	73.12	209.06	114.28	76.40
	Output Torque, In-Lb	22513	22526	20625	31265	31283	28188	63677	63713	55000	74137	75894	75852	72923	78583	79253
	OHL Input Shaft	(A)	948	990	(A)	1451	1588	(A)	1546	2484	(A)	2189	2284	(A)	2067	2548
	OHL Output Shaft (B)	15278	17607	19423	15278	17607	19423	15278	17607	19423	15278	17607	19423	15278	17607	19423
21.90	Output RPM	158	80	53	158	80	53	158	80	53	158	80	53	158	80	53
	Input HP (Max) (C)	64.54	32.76	19.25	89.63	45.49	25.49	167.24	91.75	50.17	195.15	106.09	70.28	219.32	104.90	73.74
	Output Torque, In-Lb	25822	25837	22911	35860	35880	30329	66906	72368	59691	78073	83672	83622	87743	82734	87743
	OHL Input Shaft	(A)	942	991	(A)	1415	1589	(A)	1334	2007	(A)	2066	2277	(A)	2034	2495
	OHL Output Shaft (B)	16566	17607	19423	16566	17607	19423	16566	17607	19423	16566	17607	19423	16566	17607	19423
24.14	Output RPM	143	73	48	143	73	48	143	73	48	143	73	48	143	73	48
	Input HP (Max) (C)	64.54	32.76	18.60	89.63	43.58	23.97	155.22	87.33	47.76	183.19	100.11	68.15	208.58	98.43	71.72
	Output Torque, In-Lb	28460	28476	24396	39524	37880	31438	68442	75916	62630	80778	87022	89375	91970	85562	94052
	OHL Input Shaft	(A)	949	991	(A)	1404	1581	(A)	1280	1994	(A)	2027	2268	(A)	2014	2451
	OHL Output Shaft (B)	16566	17607	19423	16566	17607	19423	16566	17607	19423	16566	17607	19423	16566	17607	19423

(A) (B) (C) - See Footnote page on inside back cover

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RHB-45



# SELECTION

## RIGHT ANGLE HELICAL BEVEL REDUCER (RHB) Service Factor 1.0 / Clamp Collar / 3 Pc Coupled / Separate Triple Reduction

SIZE: B\_1683  
60HZ

NEMA MOTOR FRAME IEC MOTOR FRAME SEPARATE GROUP		210TC 132D 132			250TC 160D 160			280TC 180D/200D 180			320TC 225D 225			360TC 250D 250		
RATIO	OUTPUT RATING DATA	3450	1750	1160	3450	1750	1160	3450	1750	1160	3450	1750	1160	3450	1750	1160
28.54	Output RPM	121	61	41	121	61	41	121	61	41	121	61	41	121	61	41
	Input HP (Max) (C)	64.54	31.87	17.75	89.63	40.43	22.24	136.00	83.10	45.42	163.30	89.27	61.47	185.96	87.74	68.74
	Output Torque, In-Lb	33654	32763	27530	46736	41559	34489	70913	85423	70443	85147	91759	95318	96963	90186	106606
	OHL Input Shaft OHL Output Shaft (B)	(A) 16566	947 19423	990 19423	(A) 16566	1385 19423	1579 19423	(A) 16566	1078 19423	1939 19423	(A) 16566	1990 19423	2290 19423	(A) 16566	1979 19423	2253 19423
32.53	Output RPM	106	54	36	106	54	36	106	54	36	106	54	36	106	54	36
	Input HP (Max) (C)	64.54	30.56	17.02	89.63	38.10	20.96	122.28	81.07	44.33	148.65	81.25	55.96	169.98	79.85	65.79
	Output Torque, In-Lb	38357	35803	30090	53268	44634	37042	72674	94984	78352	88342	95199	98912	101015	93552	116288
	OHL Input Shaft OHL Output Shaft (B)	(A) 16566	952 19423	988 18949	(A) 16566	1387 19423	1577 18949	(A) 16566	860 19423	1876 18949	(A) 16566	1967 19423	2292 18949	(A) 16566	1956 19423	2050 18949
34.55	Output RPM	-	-	-	100	51	34	100	51	34	100	51	34	100	51	34
	Input HP (Max) (C)	-	-	-	89.63	45.49	29.26	165.01	92.65	56.68	165.01	96.07	63.65	165.01	96.07	63.65
	Output Torque, In-Lb	-	-	-	56580	56612	54939	104160	115300	106411	104160	119556	119489	104160	119556	119489
	OHL Input Shaft OHL Output Shaft (B)	- -	- -	- -	(A) 16566	1523 19423	1575 18949	(A) 16566	1745 19423	2154 18949	(A) 16566	2194 19423	2286 18949	(A) 16566	2446 19423	2785 18949
45.15	Output RPM	-	-	-	76	39	26	76	39	26	76	39	26	76	39	26
	Input HP (Max) (C)	-	-	-	89.63	45.49	28.08	136.83	73.53	48.71	136.83	73.53	48.71	136.83	73.53	48.71
	Output Torque, In-Lb	-	-	-	73928	73970	68878	112855	119556	119489	112855	119556	119489	112855	119556	119489
	OHL Input Shaft OHL Output Shaft (B)	- -	- -	- -	(A) 17607	1488 18949	1574 18949	(A) 17607	1801 18949	2158 18949	(A) 17607	2192 18949	2287 18949	(A) 17607	2520 18949	2784 18949
53.18	Output RPM	65	33	22	65	33	22	65	33	22	65	33	22	65	33	22
	Input HP (Max) (C)	64.54	32.76	19.88	89.63	45.49	27.17	122.03	62.43	41.36	122.03	62.43	41.36	122.03	62.43	41.36
	Output Torque, In-Lb	62698	62733	57438	87071	87120	78503	118538	119556	119489	118538	119556	119489	118538	119556	119489
	OHL Input Shaft OHL Output Shaft (B)	(A) 17607	948 18949	990 18949	(A) 17607	1451 18949	1584 18949	(A) 17607	1841 18949	2198 18949	(A) 17607	2202 18949	2295 18949	(A) 17607	2555 18949	2792 18949
60.99	Output RPM	57	29	19	57	29	19	57	29	19	57	29	19	57	29	19
	Input HP (Max) (C)	64.54	32.76	19.25	89.63	45.49	25.49	107.24	54.43	36.06	107.24	54.43	36.06	107.24	54.43	36.06
	Output Torque, In-Lb	71913	71953	63806	99868	99924	84464	119489	119556	119489	119489	119556	119489	119489	119556	119489
	OHL Input Shaft OHL Output Shaft (B)	(A) 19423	942 18949	991 18949	(A) 19423	1415 18949	1582 18949	(A) 19423	1869 18949	2227 18949	(A) 19423	2206 18949	2299 18949	(A) 19423	2580 18949	2796 18949
67.22	Output RPM	51	26	17	51	26	17	51	26	17	51	26	17	51	26	17
	Input HP (Max) (C)	64.54	32.76	18.60	89.63	43.58	23.97	97.30	49.38	32.72	97.30	49.38	32.72	97.30	49.38	32.72
	Output Torque, In-Lb	79260	79304	67942	110071	105494	87554	119489	119556	119489	119489	119556	119489	119489	119556	119489
	OHL Input Shaft OHL Output Shaft (B)	(A) 19423	949 18949	991 18949	(A) 19423	1404 18949	1590 18949	(A) 19423	1887 18949	2244 18949	(A) 19423	2207 18949	2299 18949	(A) 19423	2596 18949	2797 18949
79.49	Output RPM	43	22	15	43	22	15	43	22	15	43	22	15	43	22	15
	Input HP (Max) (C)	64.54	31.87	17.75	82.29	40.43	22.24	82.29	41.76	27.67	82.29	41.76	27.67	82.29	41.76	27.67
	Output Torque, In-Lb	93724	91244	76670	119489	115740	96049	119489	119556	119489	119489	119556	119489	119489	119556	119489
	OHL Input Shaft OHL Output Shaft (B)	(A) 19423	947 18949	990 18949	(A) 19423	1385 18949	1590 18949	(A) 19423	1914 18949	2271 18949	(A) 19423	2208 18949	2300 18949	(A) 19423	2623 18949	2798 18949
90.60	Output RPM	38	19	13	38	19	13	38	19	13	38	19	13	38	19	13
	Input HP (Max) (C)	64.54	30.56	17.02	72.20	36.64	20.96	72.20	36.64	24.27	72.20	36.64	24.27	72.20	36.64	24.27
	Output Torque, In-Lb	106823	99711	83799	119489	119556	103161	119489	119556	119489	119489	119556	119489	119489	119556	119489
	OHL Input Shaft OHL Output Shaft (B)	(A) 18949	952 18949	988 18949	(A) 18949	1387 18949	1590 18949	(A) 18949	1931 18949	2288 18949	(A) 18949	2209 18949	2301 18949	(A) 18949	2638 18949	2774 18949

(A) (B) (C) - See Footnote page on inside back cover

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# SELECTION

## RIGHT ANGLE HELICAL BEVEL REDUCER (RHB) Service Factor 1.0 / Clamp Collar / 3 Pc Coupled / Separate Triple Reduction

SIZE: B\_1683  
60HZ

NEMA MOTOR FRAME IEC MOTOR FRAME SEPARATE GROUP		210TC 132D 132			250TC 160D 160			280TC 180D/200D 180			320TC 225D 225			360TC 250D 250		
RATIO	OUTPUT RATING DATA	3450	1750	1160	3450	1750	1160	3450	1750	1160	3450	1750	1160	3450	1750	1160
104.18	Output RPM	33	17	11	33	17	11	33	17	11	33	17	11	33	17	11
	Input HP (Max) (C)	62.79	28.80	16.04	62.79	31.87	19.48	62.79	31.87	21.11	62.79	31.87	21.11	62.79	31.87	21.11
	Output Torque, In-Lb	119489	108058	90779	119489	119556	110265	119489	119556	119489	119489	119556	119489	119489	119556	119489
	OHL Input Shaft (A)	953	987	(A)	1403	1590	(A)	1948	2304	(A)	2191	2284	(A)	2652	2772	
119.09	OHL Output Shaft (B)	18949	18949	18949	18949	18949	18949	18949	18949	18949	18949	18949	18949	18949	18949	18949
	Output RPM	29	15	10	29	15	10	29	15	10	29	15	10	29	15	10
	Input HP (Max) (C)	54.92	27.84	15.51	54.92	27.88	18.47	54.92	27.88	18.47	54.92	27.88	18.47	54.92	27.88	18.47
	Output Torque, In-Lb	119489	119422	100345	119489	119556	119489	119489	119556	119489	119489	119556	119489	119489	119556	119489
138.01	OHL Input Shaft (A)	951	991	(A)	1417	1588	(A)	1961	2318	(A)	2190	2283	(A)	2665	2781	
	OHL Output Shaft (B)	18949	18949	18949	18949	18949	18949	18949	18949	18949	18949	18949	18949	18949	18949	18949
	Output RPM	25	13	8	25	13	8	25	13	8	25	13	8	-	-	-
	Input HP (Max) (C)	47.40	24.05	15.03	47.40	24.05	15.94	47.40	24.05	15.94	47.40	24.05	15.94	-	-	-
150.36	Output Torque, In-Lb	119489	119556	112720	119489	119556	119489	119489	119556	119489	119489	119556	119489	119489	119556	119489
	OHL Input Shaft (A)	954	986	(A)	1432	1591	(A)	1974	2331	(A)	2196	2289	-	-	-	-
	OHL Output Shaft (B)	18949	18949	18949	18949	18949	18949	18949	18949	18949	18949	18949	18949	-	-	-
	Output RPM	23	12	8	23	12	8	23	12	8	23	12	8	-	-	-
167.50	Input HP (Max) (C)	43.50	22.08	14.63	43.50	22.08	14.63	43.50	22.08	14.63	43.50	22.08	14.63	-	-	-
	Output Torque, In-Lb	119489	119556	119489	119489	119556	119489	119489	119556	119489	119489	119556	119489	-	-	-
	OHL Input Shaft (A)	955	994	(A)	1439	1593	(A)	1980	2337	(A)	2200	2293	-	-	-	-
	OHL Output Shaft (B)	18949	18949	18949	18949	18949	18949	18949	18949	18949	18949	18949	18949	-	-	-
177.43	Output RPM	21	10	7	21	10	7	21	10	7	-	-	-	-	-	-
	Input HP (Max) (C)	39.05	19.82	13.13	39.05	19.82	13.13	39.05	19.82	13.13	-	-	-	-	-	-
	Output Torque, In-Lb	119489	119556	119489	119489	119556	119489	119489	119556	119489	-	-	-	-	-	-
	OHL Input Shaft (A)	956	987	(A)	1446	1594	(A)	1988	2345	-	-	-	-	-	-	-
199.54	OHL Output Shaft (B)	18949	18949	18949	18949	18949	18949	18949	18949	18949	-	-	-	-	-	-
	Output RPM	19	10	7	19	10	7	19	10	7	-	-	-	-	-	-
	Input HP (Max) (C)	36.86	18.71	12.40	36.86	18.71	12.40	36.86	18.71	12.40	-	-	-	-	-	-
	Output Torque, In-Lb	119489	119556	119489	119489	119556	119489	119489	119556	119489	-	-	-	-	-	-
213.33	OHL Input Shaft (A)	948	988	(A)	1450	1595	(A)	1992	2349	-	-	-	-	-	-	-
	OHL Output Shaft (B)	18949	18949	18949	18949	18949	18949	18949	18949	18949	-	-	-	-	-	-
	Output RPM	17	9	6	17	9	6	-	-	-	-	-	-	-	-	-
	Input HP (Max) (C)	32.78	16.64	11.02	32.78	16.64	11.02	-	-	-	-	-	-	-	-	-
226.15	Output Torque, In-Lb	119489	119556	119489	119489	119556	119489	-	-	-	-	-	-	-	-	-
	OHL Input Shaft (A)	951	991	(A)	1444	1595	(A)	-	-	-	-	-	-	-	-	-
	OHL Output Shaft (B)	18949	18949	18949	18949	18949	18949	-	-	-	-	-	-	-	-	-
	Output RPM	16	8	5	16	8	5	-	-	-	-	-	-	-	-	-
226.15	Input HP (Max) (C)	30.66	15.56	10.31	30.66	15.56	10.31	-	-	-	-	-	-	-	-	-
	Output Torque, In-Lb	119489	119556	119489	119489	119556	119489	-	-	-	-	-	-	-	-	-
	OHL Input Shaft (A)	952	988	(A)	1448	1596	-	-	-	-	-	-	-	-	-	-
	OHL Output Shaft (B)	18949	18949	18949	18949	18949	18949	-	-	-	-	-	-	-	-	-

(A) (B) (C) - See Footnote page on inside back cover  
Blank areas (-) indicate configuration not available

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# SELECTION

**RIGHT ANGLE HELICAL BEVEL REDUCER (RHB)**  
**Service Factor 1.0 / Clamp Collar / 3 Pc Coupled / Separate Triple Reduction**

**SIZE: B\_1683**  
**60HZ**

NEMA MOTOR FRAME IEC MOTOR FRAME SEPARATE GROUP		210TC 132D 132			250TC 160D 160			280TC 180D/200D 180			320TC 225D 225			360TC 250D 250		
RATIO	OUTPUT RATING DATA	3450	1750	1160	3450	1750	1160	3450	1750	1160	3450	1750	1160	3450	1750	1160
243.80	Output RPM	14	7	5	-	-	-	-	-	-	-	-	-	-	-	-
	Input HP (Max) (C)	26.83	13.62	9.02	-	-	-	-	-	-	-	-	-	-	-	-
	Output Torque, In-Lb	119489	119556	119489	-	-	-	-	-	-	-	-	-	-	-	-
	OHL Input Shaft (A)		951	991	-	-	-	-	-	-	-	-	-	-	-	-
	OHL Output Shaft (B)	18949	18949	18949	-	-	-	-	-	-	-	-	-	-	-	-
264.18	Output RPM	13	7	4	-	-	-	-	-	-	-	-	-	-	-	-
	Input HP (Max) (C)	24.76	12.57	7.72	-	-	-	-	-	-	-	-	-	-	-	-
	Output Torque, In-Lb	119489	119556	110850	-	-	-	-	-	-	-	-	-	-	-	-
	OHL Input Shaft (A)		952	995	-	-	-	-	-	-	-	-	-	-	-	-
	OHL Output Shaft (B)	18949	18949	18949	-	-	-	-	-	-	-	-	-	-	-	-
287.95	Output RPM	12	6	4	-	-	-	-	-	-	-	-	-	-	-	-
	Input HP (Max) (C)	18.82	10.11	5.63	-	-	-	-	-	-	-	-	-	-	-	-
	Output Torque, In-Lb	99005	104886	88138	-	-	-	-	-	-	-	-	-	-	-	-
	OHL Input Shaft (A)		957	989	-	-	-	-	-	-	-	-	-	-	-	-
	OHL Output Shaft (B)	18949	18949	18949	-	-	-	-	-	-	-	-	-	-	-	-

**Notes:**

(A) (B) (C) - See Footnote page on inside back cover

Blank areas ( - ) indicate configuration not available

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