



# SELECTION

## IN-LINE HELICAL REDUCER (ILH)

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

SIZE: H\_382

60 HZ

### DOUBLE 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
4.77	Output RPM	723	367	243	723	367	243	723	367	243	723	367	243
	Input HP (Max) (C)	3.98	2.02	1.34	4.85	2.46	1.63	9.87	5.01	3.32	10.80	7.19	5.05
	Output Torque, In-Lb	347	347	347	422	422	422	860	860	860	941	1236	1308
	OHL Input Shaft (A)	(A)	218	227	(A)	346	360	(A)	456	474	(A)	714	742
	OHL Output Shaft (B) (A)	(A)	518	279	(A)	518	279	(A)	518	279	(A)	518	279
5.55	Output RPM	622	315	209	622	315	209	622	315	209	622	315	209
	Input HP (Max) (C)	3.98	2.02	1.34	4.85	2.46	1.63	9.86	5.00	3.32	10.21	6.80	4.77
	Output Torque, In-Lb	404	404	403	491	491	491	1000	1000	1000	1035	1360	1439
	OHL Input Shaft (A)	(A)	217	226	(A)	346	360	(A)	456	473	(A)	714	742
	OHL Output Shaft (B) (A)	(A)	518	279	(A)	518	279	(A)	518	279	(A)	518	279
6.16	Output RPM	560	284	188	560	284	188	560	284	188	560	284	188
	Input HP (Max) (C)	3.98	2.02	1.34	4.84	2.46	1.63	9.54	5.00	3.32	9.54	6.36	4.46
	Output Torque, In-Lb	448	448	448	545	545	545	1073	1110	1110	1073	1410	1493
	OHL Input Shaft (A)	(A)	219	228	(A)	346	360	(A)	456	471	(A)	714	742
	OHL Output Shaft (B) (A)	(A)	518	279	(A)	518	279	(A)	518	279	(A)	518	279
6.71	Output RPM	514	261	173	514	261	173	514	261	173	514	261	173
	Input HP (Max) (C)	3.98	2.02	1.34	4.84	2.46	1.63	9.02	4.99	3.31	9.02	6.01	4.22
	Output Torque, In-Lb	488	488	488	594	594	594	1106	1205	1208	1106	1452	1537
	OHL Input Shaft (A)	(A)	219	228	(A)	346	360	(A)	454	474	(A)	714	743
	OHL Output Shaft (B) (A)	(A)	518	279	(A)	518	279	(A)	518	279	(A)	518	279
7.50	Output RPM	460	233	155	460	233	155	460	233	155	460	233	155
	Input HP (Max) (C)	3.98	2.02	1.34	4.85	2.46	1.63	8.39	4.75	3.28	8.39	5.59	3.92
	Output Torque, In-Lb	545	545	545	664	664	664	1149	1283	1338	1149	1509	1597
	OHL Input Shaft (A)	(A)	218	227	(A)	346	360	(A)	454	474	(A)	714	743
	OHL Output Shaft (B) (A)	(A)	279	416	(A)	279	416	(A)	279	416	(A)	279	416
7.52	Output RPM	459	233	154	459	233	154	459	233	154	459	233	154
	Input HP (Max) (C)	3.98	2.02	1.34	4.85	2.46	1.63	8.63	5.00	3.32	8.63	5.75	4.03
	Output Torque, In-Lb	547	547	547	666	666	666	1185	1355	1355	1185	1556	1647
	OHL Input Shaft (A)	(A)	218	227	(A)	346	360	(A)	456	474	(A)	710	737
	OHL Output Shaft (B) (A)	(A)	279	416	(A)	279	416	(A)	279	416	(A)	279	416
8.75	Output RPM	394	200	133	394	200	133	394	200	133	394	200	133
	Input HP (Max) (C)	3.98	2.02	1.34	4.84	2.46	1.63	7.81	5.00	3.32	7.81	5.20	3.65
	Output Torque, In-Lb	636	636	636	774	774	774	1248	1576	1576	1248	1639	1735
	OHL Input Shaft (A)	(A)	217	226	(A)	346	360	(A)	456	473	(A)	711	739
	OHL Output Shaft (B) (A)	(A)	279	416	(A)	279	416	(A)	279	416	(A)	279	416
9.70	Output RPM	356	180	120	356	180	120	356	180	120	356	180	120
	Input HP (Max) (C)	3.98	2.02	1.34	4.85	2.46	1.63	7.29	4.86	3.32	7.29	4.86	3.41
	Output Torque, In-Lb	705	705	705	859	859	859	1292	1698	1748	1292	1698	1797
	OHL Input Shaft (A)	(A)	219	228	(A)	346	360	(A)	455	471	(A)	712	740
	OHL Output Shaft (B) (A)	(A)	279	416	(A)	279	416	(A)	279	416	(A)	279	416
10.57	Output RPM	326	166	110	326	166	110	326	166	110	326	166	110
	Input HP (Max) (C)	3.98	2.02	1.34	4.84	2.46	1.63	6.89	4.59	3.22	6.89	4.59	3.22
	Output Torque, In-Lb	768	768	768	935	935	935	1330	1747	1849	1330	1747	1849
	OHL Input Shaft (A)	(A)	219	228	(A)	346	360	(A)	456	470	(A)	712	740
	OHL Output Shaft (B) (A)	(A)	279	416	(A)	279	416	(A)	279	416	(A)	279	416

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

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# SELECTION

## IN-LINE HELICAL REDUCER (ILH)

Service Factor 1.0 - Clamp Collar / 3 Pc Coupled / Separate  
DOUBLE REDUCTION

SIZE: H\_382  
60 HZ

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
11.82	Output RPM	292	148	98	292	148	98	292	148	98	292	148	98
	Input HP (Max) (C)	3.98	2.02	1.34	4.84	2.46	1.63	6.39	4.26	2.99	6.39	4.26	2.99
	Output Torque, In-Lb	859	859	859	1046	1046	1046	1380	1813	1919	1380	1813	1919
	OHL Input Shaft	(A)	218	227	(A)	346	360	(A)	456	471	(A)	712	741
	OHL Output Shaft (B)	518	416	546	518	416	546	518	416	546	518	416	546
12.92	Output RPM	267	135	90	267	135	90	267	135	90	267	135	90
	Input HP (Max) (C)	3.98	2.02	1.34	4.85	2.46	1.63	6.02	4.01	2.77	6.02	4.01	2.77
	Output Torque, In-Lb	939	939	939	1144	1144	1144	1421	1867	1947	1421	1867	1947
	OHL Input Shaft	(A)	217	226	(A)	346	360	(A)	456	472	(A)	713	741
	OHL Output Shaft (B)	518	416	546	518	416	546	518	416	546	518	416	546
14.18	Output RPM	243	123	82	243	123	82	243	123	82	243	123	82
	Input HP (Max) (C)	3.91	2.02	1.34	4.85	2.46	1.63	5.66	3.77	2.53	5.66	3.77	2.53
	Output Torque, In-Lb	1013	1031	1031	1255	1255	1255	1465	1925	1947	1465	1925	1947
	OHL Input Shaft	(A)	218	227	(A)	345	359	(A)	456	473	(A)	713	742
	OHL Output Shaft (B)	279	416	546	279	416	546	279	416	546	279	416	546
15.64	Output RPM	221	112	74	221	112	74	221	112	74	221	112	74
	Input HP (Max) (C)	3.65	1.98	1.34	4.84	2.46	1.63	5.29	3.46	2.29	5.29	3.46	2.29
	Output Torque, In-Lb	1041	1116	1137	1384	1384	1384	1512	1947	1947	1512	1947	1947
	OHL Input Shaft	(A)	217	226	(A)	345	359	(A)	457	474	(A)	713	743
	OHL Output Shaft (B)	279	416	546	279	416	546	279	416	546	279	416	546
17.33	Output RPM	199	101	67	199	101	67	199	101	67	199	101	67
	Input HP (Max) (C)	3.38	1.84	1.26	4.85	2.46	1.63	4.94	3.12	2.07	4.94	3.12	2.07
	Output Torque, In-Lb	1071	1147	1189	1534	1534	1534	1563	1947	1947	1563	1947	1947
	OHL Input Shaft	(A)	218	227	(A)	344	358	(A)	457	474	(A)	714	743
	OHL Output Shaft (B)	279	416	546	279	416	546	279	416	546	279	416	546
19.64	Output RPM	176	89	59	176	89	59	176	89	59	176	89	59
	Input HP (Max) (C)	3.08	1.67	1.15	4.53	2.46	1.63	4.53	2.75	1.82	4.53	2.75	1.82
	Output Torque, In-Lb	1105	1183	1226	1627	1738	1738	1627	1947	1947	1627	1947	1947
	OHL Input Shaft	(A)	218	227	(A)	344	358	(A)	454	475	(A)	714	743
	OHL Output Shaft (B)	279	546	881	279	546	881	279	546	881	279	546	881
21.67	Output RPM	159	81	54	159	81	54	159	81	54	159	81	54
	Input HP (Max) (C)	2.85	1.55	1.06	4.24	2.37	1.63	4.24	2.49	1.65	4.24	2.49	1.65
	Output Torque, In-Lb	1129	1210	1254	1678	1848	1918	1678	1947	1947	1678	1947	1947
	OHL Input Shaft	(A)	218	227	(A)	343	356	(A)	454	475	(A)	714	743
	OHL Output Shaft (B)	416	546	881	416	546	881	416	546	881	416	546	881
24.50	Output RPM	141	71	47	141	71	47	141	71	47	-	-	-
	Input HP (Max) (C)	2.59	1.41	0.97	3.90	2.21	1.46	3.90	2.21	1.46	-	-	-
	Output Torque, In-Lb	1158	1241	1286	1744	1947	1947	1744	1947	1947	-	-	-
	OHL Input Shaft	(A)	218	227	(A)	343	357	(A)	455	475	-	-	-
	OHL Output Shaft (B)	416	546	881	416	546	881	416	546	881	-	-	-
27.97	Output RPM	123	63	41	123	63	41	123	63	41	-	-	-
	Input HP (Max) (C)	2.32	1.26	0.87	3.56	1.93	1.28	3.56	1.93	1.28	-	-	-
	Output Torque, In-Lb	1187	1272	1318	1818	1947	1947	1818	1947	1947	-	-	-
	OHL Input Shaft	(A)	219	227	(A)	344	358	(A)	455	476	-	-	-
	OHL Output Shaft (B)	416	881	881	416	881	881	416	881	881	-	-	-

(A) (B) (C) - See Footnotes page on inside back cover  
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# SELECTION

## IN-LINE HELICAL REDUCER (ILH)

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

SIZE: H\_382

60 HZ

### DOUBLE 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
31.80	Output RPM	108	55	36	108	55	36	108	55	36	-	-	-
	Input HP (Max) (C)	2.09	1.13	0.78	3.26	1.70	1.13	3.26	1.70	1.13	-	-	-
	Output Torque, In-Lb	1213	1299	1346	1893	1947	1947	1893	1947	1947	-	-	-
	OHL Input Shaft (A)	219	228	(A)	345	359	(A)	456	476	-	-	-	-
	OHL Output Shaft (B)	416	881	1117	416	881	1117	416	881	1117	-	-	-
34.04	Output RPM	101	51	34	101	51	34	101	51	34	-	-	-
	Input HP (Max) (C)	1.97	1.07	0.74	3.01	1.59	1.05	3.01	1.59	1.05	-	-	-
	Output Torque, In-Lb	1226	1313	1361	1871	1947	1947	1871	1947	1947	-	-	-
	OHL Input Shaft (A)	219	219	228	(A)	345	359	(A)	456	476	-	-	-
	OHL Output Shaft (B)	416	881	1117	416	881	1117	416	881	1117	-	-	-
39.24	Output RPM	88	45	30	88	45	30	-	-	-	-	-	-
	Input HP (Max) (C)	1.74	0.95	0.65	1.93	1.38	0.72	-	-	-	-	-	-
	Output Torque, In-Lb	1250	1339	1388	1385	1947	1530	-	-	-	-	-	-
	OHL Input Shaft (A)	219	219	228	(A)	346	360	-	-	-	-	-	-
	OHL Output Shaft (B)	546	881	1117	546	881	1117	-	-	-	-	-	-
44.12	Output RPM	78	40	26	-	-	-	-	-	-	-	-	-
	Input HP (Max) (C)	1.52	0.86	0.56	-	-	-	-	-	-	-	-	-
	Output Torque, In-Lb	1224	1359	1352	-	-	-	-	-	-	-	-	-
	OHL Input Shaft (A)	219	219	228	-	-	-	-	-	-	-	-	-
	OHL Output Shaft (B)	546	1117	1117	-	-	-	-	-	-	-	-	-

**NOTES:**

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

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# SELECTION

## IN-LINE HELICAL REDUCER (ILH)

SIZE: H\_383

Service Factor 1.0 - Clamp Collar / 3 Pc Coupled / Separate TRIPLE REDUCTION

60 HZ

NEMA MOTOR FRAME IEC MOTOR FRAME SEPARATE GROUP		56C 71D 71			--- 80D 80			140TC 90D 90		
RATIO	OUTPUT RATING DATA	3450	1750	1160	3450	1750	1160	3450	1750	1160
30.74	Output RPM	112	57	38	112	57	38	112	57	38
	Input HP (Max) (C)	2.58	1.72	1.17	2.58	1.72	1.17	2.58	1.72	1.17
	Output Torque, In-Lb	1451	1905	1947	1451	1905	1947	1451	1905	1947
	OHL Input Shaft (A)	(A)	210	218	(A)	343	357	(A)	455	473
	OHL Output Shaft (B)	416	881	1117	416	881	1117	416	881	1117
33.82	Output RPM	102	52	34	102	52	34	102	52	34
	Input HP (Max) (C)	2.42	1.60	1.06	2.42	1.60	1.06	2.42	1.60	1.06
	Output Torque, In-Lb	1493	1947	1947	1493	1947	1947	1493	1947	1947
	OHL Input Shaft (A)	(A)	210	219	(A)	344	358	(A)	455	473
	OHL Output Shaft (B)	416	881	1117	416	881	1117	416	881	1117
39.28	Output RPM	88	45	30	88	45	30	88	45	30
	Input HP (Max) (C)	2.18	1.38	0.91	2.18	1.38	0.91	2.18	1.38	0.91
	Output Torque, In-Lb	1561	1947	1947	1561	1947	1947	1561	1947	1947
	OHL Input Shaft (A)	(A)	211	219	(A)	345	359	(A)	456	474
	OHL Output Shaft (B)	546	881	1117	546	881	1117	546	881	1117
42.53	Output RPM	81	41	27	81	41	27	81	41	27
	Input HP (Max) (C)	2.06	1.27	0.84	2.06	1.27	0.84	2.06	1.27	0.84
	Output Torque, In-Lb	1599	1947	1947	1599	1947	1947	1599	1947	1947
	OHL Input Shaft (A)	(A)	211	219	(A)	345	359	(A)	456	475
	OHL Output Shaft (B)	546	881	1117	546	881	1117	546	881	1117
48.10	Output RPM	72	36	24	72	36	24	72	36	24
	Input HP (Max) (C)	1.89	1.12	0.75	1.89	1.12	0.75	1.89	1.12	0.75
	Output Torque, In-Lb	1659	1947	1947	1659	1947	1947	1659	1947	1947
	OHL Input Shaft (A)	(A)	211	220	(A)	346	359	(A)	457	475
	OHL Output Shaft (B)	546	1117	1117	546	1117	1117	546	1117	1117
52.86	Output RPM	65	33	22	65	33	22	65	33	22
	Input HP (Max) (C)	1.77	1.02	0.68	1.77	1.02	0.68	1.77	1.02	0.68
	Output Torque, In-Lb	1706	1947	1947	1706	1947	1947	1706	1947	1947
	OHL Input Shaft (A)	(A)	211	220	(A)	346	360	(A)	457	475
	OHL Output Shaft (B)	546	1117	1117	546	1117	1117	546	1117	1117
58.30	Output RPM	59	30	20	59	30	20	59	30	20
	Input HP (Max) (C)	1.65	0.93	0.61	1.65	0.93	0.61	1.65	0.93	0.61
	Output Torque, In-Lb	1758	1947	1947	1758	1947	1947	1758	1947	1947
	OHL Input Shaft (A)	(A)	211	220	(A)	346	360	(A)	457	475
	OHL Output Shaft (B)	881	1117	1117	881	1117	1117	881	1117	1117
64.58	Output RPM	53	27	18	53	27	18	-	-	-
	Input HP (Max) (C)	1.54	0.84	0.55	1.54	0.84	0.55	-	-	-
	Output Torque, In-Lb	1812	1947	1947	1812	1947	1947	-	-	-
	OHL Input Shaft (A)	(A)	211	220	(A)	346	360	-	-	-
	OHL Output Shaft (B)	881	1117	1117	881	1117	1117	-	-	-
71.91	Output RPM	48	24	16	48	24	16	-	-	-
	Input HP (Max) (C)	1.43	0.75	0.50	1.43	0.75	0.50	-	-	-
	Output Torque, In-Lb	1873	1947	1947	1873	1947	1947	-	-	-
	OHL Input Shaft (A)	(A)	210	218	(A)	346	360	-	-	-
	OHL Output Shaft (B)	881	1117	1117	881	1117	1117	-	-	-

(A) (B) (C) - See Footnotes page on inside back cover  
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# SELECTION

## IN-LINE HELICAL REDUCER (ILH)

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

SIZE: H\_383

60 HZ

### TRIPLE REDUCTION

NEMA MOTOR FRAME IEC MOTOR FRAME SEPARATE GROUP		56C 71D 71			--- 80D 80			140TC 90D 90		
RATIO	OUTPUT RATING DATA	3450	1750	1160	3450	1750	1160	3450	1750	1160
82.52	Output RPM	42	21	14	42	21	14	-	-	-
	Input HP (Max) (C)	1.29	0.66	0.43	1.29	0.66	0.43	-	-	-
	Output Torque, In-Lb	1947	1947	1947	1947	1947	1947	-	-	-
	OHL Input Shaft (A)	210	210	218	(A) 210	346	360	-	-	-
	OHL Output Shaft (B)	881	1117	1117	881	1117	1117	-	-	-
91.34	Output RPM	38	19	13	38	19	13	-	-	-
	Input HP (Max) (C)	1.17	0.59	0.39	1.17	0.59	0.39	-	-	-
	Output Torque, In-Lb	1947	1947	1947	1947	1947	1947	-	-	-
	OHL Input Shaft (A)	210	210	219	(A) 210	346	360	-	-	-
	OHL Output Shaft (B)	1117	1117	1117	1117	1117	1117	-	-	-
103.89	Output RPM	33	17	11	33	17	11	-	-	-
	Input HP (Max) (C)	1.03	0.52	0.34	1.03	0.52	0.34	-	-	-
	Output Torque, In-Lb	1947	1947	1947	1947	1947	1947	-	-	-
	OHL Input Shaft (A)	211	211	219	(A) 211	346	360	-	-	-
	OHL Output Shaft (B)	1117	1117	1117	1117	1117	1117	-	-	-
118.55	Output RPM	29	15	10	29	15	10	-	-	-
	Input HP (Max) (C)	0.90	0.46	0.30	0.90	0.46	0.30	-	-	-
	Output Torque, In-Lb	1947	1947	1947	1947	1947	1947	-	-	-
	OHL Input Shaft (A)	211	211	219	(A) 211	346	360	-	-	-
	OHL Output Shaft (B)	1117	1117	1117	1117	1117	1117	-	-	-
133.57	Output RPM	26	13	9	26	13	9	-	-	-
	Input HP (Max) (C)	0.80	0.40	0.27	0.80	0.40	0.27	-	-	-
	Output Torque, In-Lb	1947	1947	1947	1947	1947	1947	-	-	-
	OHL Input Shaft (A)	211	211	219	(A) 211	346	360	-	-	-
	OHL Output Shaft (B)	1117	1117	1117	1117	1117	1117	-	-	-
149.26	Output RPM	23	12	8	23	12	8	-	-	-
	Input HP (Max) (C)	0.71	0.36	0.24	0.71	0.36	0.24	-	-	-
	Output Torque, In-Lb	1947	1947	1947	1947	1947	1947	-	-	-
	OHL Input Shaft (A)	211	211	220	(A) 211	347	360	-	-	-
	OHL Output Shaft (B)	1117	1117	1117	1117	1117	1117	-	-	-
170.24	Output RPM	20	10	7	20	10	7	-	-	-
	Input HP (Max) (C)	0.63	0.32	0.21	0.63	0.32	0.21	-	-	-
	Output Torque, In-Lb	1947	1947	1947	1947	1947	1947	-	-	-
	OHL Input Shaft (A)	211	211	220	(A) 211	347	360	-	-	-
	OHL Output Shaft (B)	1117	1117	1117	1117	1117	1117	-	-	-
191.75	Output RPM	18	9	6	-	-	-	-	-	-
	Input HP (Max) (C)	0.56	0.28	0.19	-	-	-	-	-	-
	Output Torque, In-Lb	1947	1947	1947	-	-	-	-	-	-
	OHL Input Shaft (A)	211	211	220	-	-	-	-	-	-
	OHL Output Shaft (B)	1117	1117	1117	-	-	-	-	-	-

#### NOTES:

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

Blank areas ( - ) indicate configuration not available

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