

SELECTION



IN-LINE HELICAL REDUCER (ILH)

SIZE: H_381

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

60 HZ

SINGLE REDUCTION

NEMA MOTOR FRAME		56C	---	140TC	180TC
IEC MOTOR FRAME		71D	80D	90D	100D
SEPARATE GROUP		71	80	90	100
RATIO	OUTPUT RATING DATA	1750	1750	1750	1750
1.59	Output RPM	1100	1100	1100	1100
	Input HP (Max) (C)	2.02	2.46	4.84	8.87
	Output Torque, In-Lb	116	141	277	508
	OHL Input Shaft	55	55	140	190
	OHL Output Shaft (B)	-	-	-	-
1.85	Output RPM	946	946	946	946
	Input HP (Max) (C)	2.02	2.46	4.60	8.37
	Output Torque, In-Lb	134	164	306	557
	OHL Input Shaft	55	55	140	190
	OHL Output Shaft (B)	-	-	-	-
2.05	Output RPM	853	853	853	853
	Input HP (Max) (C)	2.02	2.46	4.42	8.01
	Output Torque, In-Lb	149	182	327	592
	OHL Input Shaft	55	55	140	190
	OHL Output Shaft (B)	-	-	-	-
2.24	Output RPM	783	783	783	783
	Input HP (Max) (C)	2.02	2.46	4.27	7.73
	Output Torque, In-Lb	163	198	343	622
	OHL Input Shaft	55	55	140	190
	OHL Output Shaft (B)	50	50	50	50
2.50	Output RPM	700	700	700	700
	Input HP (Max) (C)	2.02	2.46	4.06	7.18
	Output Torque, In-Lb	182	221	366	646
	OHL Input Shaft	55	55	140	190
	OHL Output Shaft (B)	102	102	102	102
2.73	Output RPM	640	640	640	640
	Input HP (Max) (C)	1.99	2.46	3.90	7.06
	Output Torque, In-Lb	196	242	384	695
	OHL Input Shaft	55	55	140	190
	OHL Output Shaft (B)	102	102	102	102
3.00	Output RPM	583	583	583	583
	Input HP (Max) (C)	1.91	2.46	3.73	6.55
	Output Torque, In-Lb	206	266	403	708
	OHL Input Shaft	55	55	140	190
	OHL Output Shaft (B)	211	211	211	211
3.31	Output RPM	529	529	529	529
	Input HP (Max) (C)	1.82	2.46	3.55	4.83
	Output Torque, In-Lb	217	293	423	575
	OHL Input Shaft	55	55	140	190
	OHL Output Shaft (B)	269	269	269	269

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

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IN-LINE HELICAL REDUCER (ILH)

SIZE: H_381

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

60 HZ

SINGLE REDUCTION

NEMA MOTOR FRAME IEC MOTOR FRAME SEPARATE GROUP		56C 71D 71	---	140TC 90D 90	180TC 100D 100
RATIO	OUTPUT RATING DATA	1750	1750	1750	1750
3.67	Output RPM	477	477	477	477
	Input HP (Max) (C)	1.73	2.34	3.37	4.69
	Output Torque, In-Lb	228	309	445	620
	OHL Input Shaft	55	55	140	190
	OHL Output Shaft (B)	258	258	258	258
4.15	Output RPM	421	421	421	421
	Input HP (Max) (C)	1.61	2.18	3.16	3.67
	Output Torque, In-Lb	241	326	473	549
	OHL Input Shaft	55	55	140	190
	OHL Output Shaft (B)	371	371	371	371
4.58	Output RPM	382	382	382	382
	Input HP (Max) (C)	1.52	2.06	3.01	4.18
	Output Torque, In-Lb	252	340	497	690
	OHL Input Shaft	55	55	140	190
	OHL Output Shaft (B)	371	371	371	371
5.18	Output RPM	338	338	338	338
	Input HP (Max) (C)	1.41	1.92	2.81	3.32
	Output Torque, In-Lb	262	359	523	620
	OHL Input Shaft	55	55	140	190
	OHL Output Shaft (B)	543	543	543	543
5.92	Output RPM	296	296	296	-
	Input HP (Max) (C)	1.26	1.77	2.20	-
	Output Torque, In-Lb	269	377	469	-
	OHL Input Shaft	55	55	140	-
	OHL Output Shaft (B)	543	543	543	-
6.73	Output RPM	260	260	260	-
	Input HP (Max) (C)	1.13	1.62	1.75	-
	Output Torque, In-Lb	275	394	425	-
	OHL Input Shaft	55	55	140	-
	OHL Output Shaft (B)	583	583	583	-
7.20	Output RPM	243	243	243	-
	Input HP (Max) (C)	1.07	1.30	1.30	-
	Output Torque, In-Lb	278	336	336	-
	OHL Input Shaft	55	55	140	-
	OHL Output Shaft (B)	583	583	583	-
8.30	Output RPM	211	211	-	-
	Input HP (Max) (C)	0.95	0.95	-	-
	Output Torque, In-Lb	283	283	-	-
	OHL Input Shaft	55	55	-	-
	OHL Output Shaft (B)	834	834	-	-
9.33	Output RPM	188	-	-	-
	Input HP (Max) (C)	0.84	-	-	-
	Output Torque, In-Lb	283	-	-	-
	OHL Input Shaft	55	-	-	-
	OHL Output Shaft (B)	834	-	-	-

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

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IN-LINE HELICAL REDUCER (ILH)

SIZE: H_382
60 HZ

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

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)	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)	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)	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)	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)	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)	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)	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)	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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IN-LINE HELICAL REDUCER (ILH)

SIZE: H_382

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

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
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 OHL Output Shaft (B)	(A) 518 279	219 279	228 416	(A) 518 416	346 416	360 416	(A) 518 416	456 416	470 546	(A) 518 416	712 416	740 546
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 OHL Output Shaft (B)	(A) 518 518	218 416	227 546	(A) 518 416	346 416	360 546	(A) 518 416	456 416	471 546	(A) 518 416	712 416	741 546
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 OHL Output Shaft (B)	(A) 518 518	217 416	226 546	(A) 518 416	346 416	360 546	(A) 518 416	456 416	472 546	(A) 518 416	713 416	741 546
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 OHL Output Shaft (B)	(A) 279 416	218 416	227 546	(A) 279 416	345 416	359 546	(A) 279 416	456 416	473 546	(A) 279 416	713 416	742 546
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 OHL Output Shaft (B)	(A) 279 416	217 416	226 546	(A) 279 416	345 416	359 546	(A) 279 416	457 416	474 546	(A) 279 416	713 416	743 546
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 OHL Output Shaft (B)	(A) 279 416	218 416	227 546	(A) 279 416	344 416	358 546	(A) 279 416	457 416	474 546	(A) 279 416	714 416	743 546
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 OHL Output Shaft (B)	(A) 279 546	218 546	227 881	(A) 279 546	344 546	358 881	(A) 279 546	454 546	475 881	(A) 279 546	714 546	743 881
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 OHL Output Shaft (B)	(A) 416 546	218 546	227 881	(A) 416 546	343 546	356 881	(A) 416 546	454 546	475 881	(A) 416 546	714 546	743 881

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



IN-LINE HELICAL REDUCER (ILH)

SIZE: H_382
60 HZ

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

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
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	-	-	-
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	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	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	228	-	-	-	-	-	-	-	-	-	-
	OHL Output Shaft (B)	546	1117	1117	-	-	-	-	-	-	-	-	-

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SELECTION



IN-LINE HELICAL REDUCER (ILH)

SIZE: H_383
60 HZ

Service Factor - 1.0 Clamp Collar / 3 Pc Coupled / Separate
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
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
Blank areas (-) indicate configuration not available

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IN-LINE HELICAL REDUCER (ILH)

SIZE: H_383
60 HZ

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

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

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SELECTION



IN-LINE HELICAL REDUCER (ILH)

SIZE: H_481
60 HZ

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

NEMA MOTOR FRAME		56C	---	140TC	180TC	---
IEC MOTOR FRAME		71D	80D	90D	100D	112D
SEPARATE GROUP		71	80	90	100	112
RATIO	OUTPUT RATING DATA	1750	1750	1750	1750	1750
1.52	Output RPM	-	1151	1151	1151	1151
	Input HP (Max) (C)	-	2.46	5.00	10.4	12.6
	Output Torque, In-Lb	-	135	274	567	692
	OHL Input Shaft	-	55	140	190	230
	OHL Output Shaft (B)	-	-	-	-	-
1.83	Output RPM	-	958	958	958	958
	Input HP (Max) (C)	-	2.46	5.00	10.2	11.9
	Output Torque, In-Lb	-	162	329	673	780
	OHL Input Shaft	-	55	140	190	230
	OHL Output Shaft (B)	-	-	-	-	-
2.15	Output RPM	-	814	814	814	814
	Input HP (Max) (C)	-	2.46	5.00	9.67	11.1
	Output Torque, In-Lb	-	190	387	749	861
	OHL Input Shaft	-	55	140	190	230
	OHL Output Shaft (B)	-	190	190	190	190
2.41	Output RPM	726	726	726	726	726
	Input HP (Max) (C)	2.02	2.46	5.00	9.25	10.6
	Output Torque, In-Lb	175	213	434	803	917
	OHL Input Shaft	55	55	140	190	230
	OHL Output Shaft (B)	195	195	195	195	195
2.70	Output RPM	648	648	648	648	648
	Input HP (Max) (C)	2.02	2.46	4.86	8.82	10.0
	Output Torque, In-Lb	196	239	473	857	976
	OHL Input Shaft	55	55	140	190	230
	OHL Output Shaft (B)	161	161	161	161	161
2.95	Output RPM	594	594	594	594	594
	Input HP (Max) (C)	2.02	2.46	4.70	8.48	9.63
	Output Torque, In-Lb	214	261	499	900	1022
	OHL Input Shaft	55	55	140	190	230
	OHL Output Shaft (B)	124	124	124	124	124
3.24	Output RPM	541	541	541	541	541
	Input HP (Max) (C)	2.02	2.46	4.51	8.13	9.22
	Output Torque, In-Lb	235	286	526	947	1075
	OHL Input Shaft	55	55	140	190	230
	OHL Output Shaft (B)	106	106	106	106	106
3.56	Output RPM	491	491	491	491	491
	Input HP (Max) (C)	2.02	2.46	4.32	7.77	8.81
	Output Torque, In-Lb	259	315	554	996	1130
	OHL Input Shaft	55	55	140	190	230
	OHL Output Shaft (B)	99	99	99	99	99

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

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SELECTION



IN-LINE HELICAL REDUCER (ILH)

SIZE: H_481

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

60 HZ

SINGLE REDUCTION

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	1750	1750	1750	1750	1750
3.87	Output RPM	453	453	453	453	453
	Input HP (Max) (C)	2.02	2.46	4.15	7.47	8.48
	Output Torque, In-Lb	281	342	579	1040	1181
	OHL Input Shaft	55	55	140	190	230
	OHL Output Shaft (B)	99	99	99	99	99
4.21	Output RPM	415	415	415	415	415
	Input HP (Max) (C)	2.02	2.46	3.98	7.17	8.18
	Output Torque, In-Lb	306	373	604	1089	1241
	OHL Input Shaft	55	55	140	190	230
	OHL Output Shaft (B)	191	191	191	191	191
4.62	Output RPM	379	379	379	379	379
	Input HP (Max) (C)	1.96	2.46	3.80	6.89	6.92
	Output Torque, In-Lb	325	408	632	1145	1151
	OHL Input Shaft	55	55	140	190	230
	OHL Output Shaft (B)	191	191	191	191	191
5.08	Output RPM	344	344	344	344	344
	Input HP (Max) (C)	1.82	2.46	3.61	5.80	5.80
	Output Torque, In-Lb	334	450	662	1062	1062
	OHL Input Shaft	55	55	140	190	230
	OHL Output Shaft (B)	303	303	303	303	303
5.85	Output RPM	299	299	299	299	299
	Input HP (Max) (C)	1.63	2.31	3.36	5.04	5.04
	Output Torque, In-Lb	343	487	706	1062	1062
	OHL Input Shaft	55	55	140	190	230
	OHL Output Shaft (B)	303	303	303	303	303
6.33	Output RPM	276	276	276	276	276
	Input HP (Max) (C)	1.53	2.21	3.23	4.46	4.46
	Output Torque, In-Lb	348	504	736	1018	1018
	OHL Input Shaft	55	55	140	190	230
	OHL Output Shaft (B)	627	627	627	627	627
7.00	Output RPM	250	250	250	250	-
	Input HP (Max) (C)	1.40	2.09	3.05	3.41	-
	Output Torque, In-Lb	354	526	768	859	-
	OHL Input Shaft	55	55	140	190	-
	OHL Output Shaft (B)	627	627	627	627	-
8.17	Output RPM	214	214	214	-	-
	Input HP (Max) (C)	1.23	1.89	2.56	-	-
	Output Torque, In-Lb	363	557	752	-	-
	OHL Input Shaft	55	55	140	-	-
	OHL Output Shaft (B)	711	711	711	-	-

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



QUANTS

QUANTS GOLD

ILH

RHB

MSM

IN-LINE HELICAL REDUCER (ILH)

SIZE: H_481
60 HZ

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

NEMA MOTOR FRAME		56C	---	140TC	180TC	---
IEC MOTOR FRAME		71D	80D	90D	100D	112D
SEPARATE GROUP		71	80	90	100	112
RATIO	OUTPUT RATING DATA	1750	1750	1750	1750	1750
9.09	Output RPM	193	193	193	-	-
	Input HP (Max) (C)	1.12	1.73	1.73	-	-
	Output Torque, In-Lb	368	566	566	-	-
	OHL Input Shaft	55	55	140	-	-
	OHL Output Shaft (B)	711	711	711	-	-
10.00	Output RPM	175	175	175	-	-
	Input HP (Max) (C)	1.03	1.66	1.97	-	-
	Output Torque, In-Lb	372	598	708	-	-
	OHL Input Shaft	55	55	140	-	-
	OHL Output Shaft (B)	826	826	826	-	-
11.30	Output RPM	155	155	-	-	-
	Input HP (Max) (C)	0.93	120	-	-	-
	Output Torque, In-Lb	377	487	-	-	-
	OHL Input Shaft	55	55	-	-	-
	OHL Output Shaft (B)	826	826	-	-	-

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

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IN-LINE HELICAL REDUCER (ILH)

SIZE: H_482
60 HZ

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

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
4.28	Output RPM	-	-	-	806	409	271	806	409	271	806	409	271	806	409	271
	Input HP (Max) (C)	-	-	-	4.85	2.46	1.63	9.87	5.01	3.32	20.44	10.37	6.87	22.81	13.88	9.20
	Output Torque, In-Lb	-	-	-	379	379	379	772	772	772	1598	1598	1598	1784	2139	2139
	OHL Input Shaft	-	-	-	(A)	346	360	(A)	453	471	(A)	711	740	(A)	840	875
	OHL Output Shaft (B)	-	-	-	(A)	896	904	(A)	896	904	(A)	896	904	(A)	896	904
5.15	Output RPM	-	-	-	670	340	225	670	340	225	670	340	225	670	340	225
	Input HP (Max) (C)	-	-	-	4.84	2.46	1.63	9.85	5.00	3.31	20.41	10.35	6.86	21.22	12.88	8.54
	Output Torque, In-Lb	-	-	-	455	455	455	927	927	927	1920	1920	1920	1996	2390	2390
	OHL Input Shaft	-	-	-	(A)	346	360	(A)	454	473	(A)	708	737	(A)	840	875
	OHL Output Shaft (B)	-	-	-	(A)	904	919	(A)	904	919	(A)	904	919	(A)	904	919
6.06	Output RPM	-	-	-	569	289	191	569	289	191	569	289	191	569	289	191
	Input HP (Max) (C)	-	-	-	4.84	2.46	1.63	9.86	5.00	3.32	19.70	10.36	6.86	19.70	10.95	7.26
	Output Torque, In-Lb	-	-	-	536	536	536	1092	1092	1092	2181	2260	2260	2181	2390	2390
	OHL Input Shaft	-	-	-	(A)	346	360	(A)	452	471	(A)	709	739	(A)	843	877
	OHL Output Shaft (B)	-	-	-	(A)	904	919	(A)	904	919	(A)	904	919	(A)	904	919
6.79	Output RPM	508	258	171	508	258	171	508	258	171	508	258	171	508	258	171
	Input HP (Max) (C)	4.00	2.02	1.34	4.84	2.46	1.63	9.86	5.00	3.32	18.29	9.77	6.48	18.29	9.77	6.48
	Output Torque, In-Lb	494	494	494	601	601	601	1223	1223	1223	2269	2390	2390	2269	2390	2390
	OHL Input Shaft	(A)	209	217	(A)	346	360	(A)	456	474	(A)	709	739	(A)	844	878
	OHL Output Shaft (B)	904	904	919	(A)	904	919	(A)	904	919	(A)	904	919	(A)	904	919
6.90	Output RPM	-	-	-	500	254	168	500	254	168	500	254	168	500	254	168
	Input HP (Max) (C)	-	-	-	4.84	2.46	1.63	9.86	5.00	3.32	16.59	10.35	6.86	16.59	11.05	7.75
	Output Torque, In-Lb	-	-	-	611	611	611	1243	1243	1243	2091	2573	2573	2091	2747	2907
	OHL Input Shaft	-	-	-	(A)	346	360	(A)	453	471	(A)	711	740	(A)	844	878
	OHL Output Shaft (B)	-	-	-	(A)	904	919	(A)	904	919	(A)	904	919	(A)	904	919
8.29	Output RPM	-	-	-	416	211	140	416	211	140	416	211	140	416	211	140
	Input HP (Max) (C)	-	-	-	4.84	2.46	1.63	9.86	5.00	3.31	14.70	9.80	6.86	14.70	9.80	6.87
	Output Torque, In-Lb	-	-	-	734	734	734	1493	1493	1493	2226	2925	3091	2226	2925	3096
	OHL Input Shaft	-	-	-	(A)	343	360	(A)	454	473	(A)	710	737	(A)	837	878
	OHL Output Shaft (B)	-	-	-	(A)	919	937	(A)	919	937	(A)	919	937	(A)	919	937
9.76	Output RPM	-	-	-	353	179	119	353	179	119	353	179	119	353	179	119
	Input HP (Max) (C)	-	-	-	4.84	2.46	1.63	9.86	5.00	3.32	13.19	8.79	6.17	13.19	8.79	6.17
	Output Torque, In-Lb	-	-	-	864	864	864	1758	1758	1758	2352	3090	3270	2352	3090	3270
	OHL Input Shaft	-	-	-	(A)	346	360	(A)	452	471	(A)	711	739	(A)	839	871
	OHL Output Shaft (B)	-	-	-	904	919	937	904	919	937	904	919	937	904	919	937
10.93	Output RPM	316	160	106	316	160	106	316	160	106	316	160	106	316	160	106
	Input HP (Max) (C)	3.98	2.02	1.34	4.85	2.46	1.63	9.87	5.00	3.32	12.23	8.15	5.72	12.23	8.15	5.72
	Output Torque, In-Lb	795	795	795	968	968	968	1970	1970	1970	2442	3208	3396	2442	3208	3396
	OHL Input Shaft	(A)	209	218	(A)	346	360	(A)	456	474	(A)	712	740	(A)	840	872
	OHL Output Shaft (B)	904	919	937	904	919	937	904	919	937	904	919	937	904	919	937

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

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IN-LINE HELICAL REDUCER (ILH)

SIZE: H_482
60 HZ

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

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
12.25	Output RPM	282	143	95	282	143	95	282	143	95	282	143	95	282	143	95
	Input HP (Max) (C)	3.98	2.02	1.34	4.85	2.46	1.63	9.87	5.00	3.32	11.33	7.55	5.30	11.33	7.55	5.30
	Output Torque, In-Lb	891	891	891	1085	1085	1085	2208	2208	2208	2535	3331	3525	2535	3331	3525
	OHL Input Shaft OHL Output Shaft (B)	(A) 904	209 937	217 1142	(A) 904	346 937	360 1142	(A) 904	456 937	474 1142	(A) 904	712 937	740 1142	(A) 904	837 937	873 1142
13.38	Output RPM	258	131	87	258	131	87	258	131	87	258	131	87	258	131	87
	Input HP (Max) (C)	3.98	2.02	1.34	4.84	2.46	1.63	9.86	5.00	3.32	10.67	7.11	4.99	10.67	7.11	4.99
	Output Torque, In-Lb	973	973	973	1184	1184	1184	2410	2410	2410	2609	3427	3627	2609	3427	3627
	OHL Input Shaft OHL Output Shaft (B)	(A) 904	211 937	219 1142	(A) 904	346 937	360 1142	(A) 904	455 937	474 1142	(A) 904	713 937	741 1142	(A) 904	838 937	870 1142
14.68	Output RPM	235	119	79	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	9.87	5.00	3.32	10.03	6.68	4.69	10.03	6.68	4.69
	Output Torque, In-Lb	1068	1068	1068	1300	1300	1300	2646	2646	2646	2689	3532	3738	2689	3532	3738
	OHL Input Shaft OHL Output Shaft (B)	(A) 919	210 937	219 1142	(A) 919	346 937	360 1142	(A) 919	454 937	473 1142	(A) 919	713 937	741 1142	(A) 919	839 937	871 1142
16.17	Output RPM	213	108	72	213	108	72	213	108	72	213	108	72	213	108	72
	Input HP (Max) (C)	3.98	2.02	1.34	4.84	2.46	1.63	9.39	5.00	3.32	9.39	6.26	4.39	9.39	6.26	4.39
	Output Torque, In-Lb	1176	1176	1176	1431	1431	1431	2774	2913	2913	2774	3643	3856	2774	3643	3856
	OHL Input Shaft OHL Output Shaft (B)	(A) 919	210 937	218 1142	(A) 919	346 937	360 1142	(A) 919	453 937	472 1142	(A) 919	713 937	742 1142	(A) 919	840 937	872 1142
17.55	Output RPM	197	100	66	197	100	66	197	100	66	197	100	66	197	100	66
	Input HP (Max) (C)	3.98	2.02	1.34	4.84	2.46	1.63	8.88	4.86	3.32	8.88	5.91	4.15	8.88	5.91	4.15
	Output Torque, In-Lb	1276	1276	1276	1553	1553	1553	2846	3071	3162	2846	3738	3957	2846	3738	3957
	OHL Input Shaft OHL Output Shaft (B)	(A) 919	209 1142	218 1142	(A) 919	346 1142	360 1142	(A) 919	452 1142	470 1142	(A) 919	713 1142	742 1142	(A) 919	842 1142	875 1142
19.13	Output RPM	180	91	61	180	91	61	180	91	61	180	91	61	180	91	61
	Input HP (Max) (C)	3.87	2.02	1.34	4.84	2.46	1.63	8.37	4.65	3.22	8.37	5.58	3.83	8.37	5.58	3.83
	Output Torque, In-Lb	1353	1391	1391	1693	1693	1693	2924	3206	3343	2924	3842	3983	2924	3842	3983
	OHL Input Shaft OHL Output Shaft (B)	(A) 919	210 1142	218 1517	(A) 919	346 1142	359 1517	(A) 919	452 1142	472 1517	(A) 919	714 1142	742 1517	(A) 919	841 1142	874 1517
20.95	Output RPM	165	84	55	165	84	55	165	84	55	165	84	55	165	84	55
	Input HP (Max) (C)	3.61	1.96	1.34	4.84	2.46	1.63	7.87	4.44	3.07	7.87	5.24	3.50	7.87	5.24	3.50
	Output Torque, In-Lb	1383	1482	1523	1854	1854	1854	3011	3352	3495	3011	3954	3983	3011	3954	3983
	OHL Input Shaft OHL Output Shaft (B)	(A) 919	209 1142	217 1517	(A) 919	345 1142	359 1517	(A) 919	454 1142	472 1517	(A) 919	714 1142	743 1517	(A) 919	841 1142	875 1517
23.07	Output RPM	150	76	50	150	76	50	150	76	50	150	76	50	-	-	-
	Input HP (Max) (C)	3.35	1.82	1.25	4.85	2.46	1.63	7.37	4.23	2.92	7.37	4.79	3.18	-	-	-
	Output Torque, In-Lb	1413	1514	1569	2042	2042	2042	3104	3512	3661	3104	3983	3983	-	-	-
	OHL Input Shaft OHL Output Shaft (B)	(A) 937	209 1142	218 1517	(A) 937	345 1142	359 1517	(A) 937	454 1142	471 1517	(A) 937	714 1142	7y43 1517	-	-	-

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

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IN-LINE HELICAL REDUCER (ILH)

SIZE: H_482

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

60 HZ

DOUBLE REDUCTION

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
26.53	Output RPM	130	66	44	130	66	44	130	66	44	130	66	44	-	-	-
	Input HP (Max) (C)	3.00	1.63	1.12	4.85	2.46	1.63	6.69	3.92	2.71	6.69	4.17	2.76	-	-	-
	Output Torque, In-Lb	1453	1557	1614	2348	2348	2348	3241	3749	3910	3241	3983	3983	-	-	-
	OHL Input Shaft OHL Output Shaft (B)	(A) 937 1142	210 1517	217 1517	(A) 937 1142	344 1517	358 1517	(A) 937 1142	453 1517	471 1517	(A) 937 1142	714 1517	743 1517	-	-	-
28.74	Output RPM	120	61	40	120	61	40	120	61	40	120	61	40	-	-	-
	Input HP (Max) (C)	2.81	1.53	1.05	4.85	2.46	1.63	6.33	3.77	2.55	6.33	3.85	2.55	-	-	-
	Output Torque, In-Lb	1475	1580	1638	2544	2544	2544	3324	3905	3983	3324	3983	3983	-	-	-
	OHL Input Shaft OHL Output Shaft (B)	(A) 937 1517	210 1517	219 1517	(A) 937 1517	343 1517	357 1517	(A) 937 1517	453 1517	471 1517	(A) 937 1517	714 1517	744 1517	-	-	-
31.77	Output RPM	109	55	37	109	55	37	109	55	37	109	55	37	-	-	-
	Input HP (Max) (C)	2.59	1.40	0.97	4.67	2.40	1.63	5.91	3.48	2.31	5.91	3.48	2.31	-	-	-
	Output Torque, In-Lb	1500	1607	1666	2712	2743	2812	3429	3983	3983	3429	3983	3983	-	-	-
	OHL Input Shaft OHL Output Shaft (B)	(A) 937 1517	210 1517	218 1884	(A) 937 1517	343 1517	356 1884	(A) 937 1517	453 1884	472 1884	(A) 937 1517	715 1517	744 1884	-	-	-
37.06	Output RPM	93	47	31	93	47	31	93	47	31	-	-	-	-	-	-
	Input HP (Max) (C)	2.27	1.23	0.85	4.24	2.17	1.53	5.31	2.98	1.98	-	-	-	-	-	-
	Output Torque, In-Lb	1536	1646	1706	2868	2902	3076	3598	3983	3983	-	-	-	-	-	-
	OHL Input Shaft OHL Output Shaft (B)	(A) 1142 1517	210 1517	217 1884	(A) 1142 1517	343 1517	360 1884	(A) 1142 1517	455 1884	473 1884	-	-	-	-	-	-
41.26	Output RPM	84	42	28	84	42	28	84	42	28	-	-	-	-	-	-
	Input HP (Max) (C)	2.07	1.12	0.77	3.94	2.02	1.42	4.39	2.68	1.63	-	-	-	-	-	-
	Output Torque, In-Lb	1558	1670	1731	2970	3005	3186	3312	3983	3659	-	-	-	-	-	-
	OHL Input Shaft OHL Output Shaft (B)	(A) 1142 1517	210 1517	(A) 1884 1884	(A) 1142 1517	343 1517	360 1884	(A) 1142 1517	455 1884	473 1884	-	-	-	-	-	-
45.38	Output RPM	76	39	26	76	39	26	76	39	26	-	-	-	-	-	-
	Input HP (Max) (C)	1.90	1.03	0.71	3.19	1.91	1.19	3.19	2.44	1.19	-	-	-	-	-	-
	Output Torque, In-Lb	1577	1690	1752	2645	3120	2922	2645	3983	2922	-	-	-	-	-	-
	OHL Input Shaft OHL Output Shaft (B)	(A) 1142 1884	211 1884	(A) 1884 1884	(A) 1142 1884	343 1884	360 1884	(A) 1142 1884	456 1884	474 1884	-	-	-	-	-	-
51.28	Output RPM	67	34	23	67	34	23	-	-	-	-	-	-	-	-	-
	Input HP (Max) (C)	1.71	0.93	0.64	2.08	1.87	0.77	-	-	-	-	-	-	-	-	-
	Output Torque, In-Lb	1599	1713	1776	1945	3454	2149	-	-	-	-	-	-	-	-	-
	OHL Input Shaft OHL Output Shaft (B)	(A) 1142 1884	211 1884	(A) 1986 1884	(A) 1142 1884	346 1884	360 1884	-	-	-	-	-	-	-	-	-

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

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QUANTIS

QUANTIS GOLD

ILH

RHB

MSM

IN-LINE HELICAL REDUCER (ILH)

**SIZE: H_483
60 HZ**

**Service Factor - 1.0 Clamp Collar / 3 Pc Coupled / Separate
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
35.59	Output RPM	97	49	33	97	49	33	97	49	33	97	49	33
	Input HP (Max) (C)	3.98	2.02	1.34	4.79	2.46	1.63	4.79	3.11	2.06	4.79	3.11	2.06
	Output Torque, In-Lb	2587	2587	2587	3114	3150	3150	3114	3983	3983	3114	3983	3983
	OHL Input Shaft (A)		209	218		(A) 346	360		(A) 457	475		(A) 715	744
	OHL Output Shaft (B)	1142	1517	1884	1142	1517	1884	1142	1517	1884	1142	1517	1884
41.38	Output RPM	83	42	28	83	42	28	83	42	28	83	42	28
	Input HP (Max) (C)	3.98	2.02	1.34	4.36	2.46	1.63	4.36	2.67	1.77	4.36	2.67	1.77
	Output Torque, In-Lb	3009	3009	3009	3295	3663	3663	3295	3983	3983	3295	3983	3983
	OHL Input Shaft (A)		211	219		(A) 346	360		(A) 457	475		(A) 708	737
	OHL Output Shaft (B)	1142	1517	1884	1142	1517	1884	1142	1517	1884	1142	1517	1884
45.91	Output RPM	75	38	25	75	38	25	75	38	25	75	38	25
	Input HP (Max) (C)	3.98	2.02	1.34	4.08	2.41	1.60	4.08	2.41	1.60	4.08	2.41	1.60
	Output Torque, In-Lb	3338	3338	3338	3418	3983	3983	3418	3983	3983	3418	3983	3983
	OHL Input Shaft (A)		210	219		(A) 346	360		(A) 457	476		(A) 709	738
	OHL Output Shaft (B)	1142	1884	1884	1142	1884	1884	1142	1884	1884	1142	1884	1884
50.00	Output RPM	69	35	23	69	35	23	69	35	23	-	-	-
	Input HP (Max) (C)	3.83	2.02	1.34	3.83	2.21	1.47	3.83	2.21	1.47	-	-	-
	Output Torque, In-Lb	3497	3635	3635	3497	3983	3983	3497	3983	3983	-	-	-
	OHL Input Shaft (A)		210	219		(A) 346	360		(A) 457	476	-	-	-
	OHL Output Shaft (B)	1142	1884	1986	1142	1884	1986	1142	1884	1986	-	-	-
55.92	Output RPM	62	31	21	62	31	21	62	31	21	-	-	-
	Input HP (Max) (C)	3.53	1.98	1.31	3.53	1.98	1.31	3.53	1.98	1.31	-	-	-
	Output Torque, In-Lb	3606	3983	3983	3606	3983	3983	3606	3983	3983	-	-	-
	OHL Input Shaft (A)		210	218		(A) 346	360		(A) 457	476	-	-	-
	OHL Output Shaft (B)	1517	1884	1986	1517	1884	1986	1517	1884	1986	-	-	-
61.14	Output RPM	56	29	19	56	29	19	56	29	19	-	-	-
	Input HP (Max) (C)	3.31	1.81	1.20	3.31	1.81	1.20	3.31	1.81	1.20	-	-	-
	Output Torque, In-Lb	3698	3983	3983	3698	3983	3983	3698	3983	3983	-	-	-
	OHL Input Shaft (A)		210	219		(A) 346	360		(A) 457	476	-	-	-
	OHL Output Shaft (B)	1517	1884	1986	1517	1884	1986	1517	1884	1986	-	-	-
67.10	Output RPM	51	26	17	51	26	17	51	26	17	-	-	-
	Input HP (Max) (C)	3.10	1.65	1.09	3.10	1.65	1.09	3.10	1.65	1.09	-	-	-
	Output Torque, In-Lb	3797	3983	3983	3797	3983	3983	3797	3983	3983	-	-	-
	OHL Input Shaft (A)		210	219		(A) 346	360		(A) 453	471	-	-	-
	OHL Output Shaft (B)	1517	1884	1986	1517	1884	1986	1517	1884	1986	-	-	-
73.99	Output RPM	47	24	16	47	24	16	47	24	16	-	-	-
	Input HP (Max) (C)	2.89	1.49	0.99	2.89	1.49	0.99	2.89	1.49	0.99	-	-	-
	Output Torque, In-Lb	3905	3983	3983	3905	3983	3983	3905	3983	3983	-	-	-
	OHL Input Shaft (A)		211	219		(A) 346	360		(A) 453	472	-	-	-
	OHL Output Shaft (B)	1517	1986	1986	1517	1986	1986	1517	1986	1986	-	-	-
82.02	Output RPM	42	21	14	42	21	14	42	21	14	-	-	-
	Input HP (Max) (C)	2.66	1.35	0.89	2.66	1.35	0.89	2.66	1.35	0.89	-	-	-
	Output Torque, In-Lb	3983	3983	3983	3983	3983	3983	3983	3983	3983	-	-	-
	OHL Input Shaft (A)		209	218		(A) 343	357		(A) 454	473	-	-	-
	OHL Output Shaft (B)	1517	1986	1986	1517	1986	1986	1517	1986	1986	-	-	-

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

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IN-LINE HELICAL REDUCER (ILH)

SIZE: H_483
60 HZ

Service Factor - 1.0 Clamp Collar / 3 Pc Coupled / Separate
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
92.91	Output RPM	37	19	12	37	19	12	37	19	12	-	-	-
	Input HP (Max) (C)	2.35	1.19	0.79	2.35	1.19	0.79	2.35	1.19	0.79	-	-	-
	Output Torque, In-Lb OHL Input Shaft (A)	3983	3983	3983	3983	3983	3983	3983	3983	3983	-	-	-
	OHL Output Shaft (B)	1884	1986	1986	1884	1986	1986	1884	1986	1986	-	-	-
102.52	Output RPM	34	17	11	34	17	11	34	17	11	-	-	-
	Input HP (Max) (C)	2.13	1.08	0.72	2.13	1.08	0.72	2.13	1.08	0.72	-	-	-
	Output Torque, In-Lb OHL Input Shaft (A)	3983	3983	3983	3983	3983	3983	3983	3983	3983	-	-	-
	OHL Output Shaft (B)	1884	1986	1986	1884	1986	1986	1884	1986	1986	-	-	-
115.91	Output RPM	30	15	10	30	15	10	30	15	10	-	-	-
	Input HP (Max) (C)	1.88	0.95	0.63	1.88	0.95	0.63	1.88	0.95	0.63	-	-	-
	Output Torque, In-Lb OHL Input Shaft (A)	3983	3983	3983	3983	3983	3983	3983	3983	3983	-	-	-
	OHL Output Shaft (B)	1884	1986	1986	1884	1986	1986	1884	1986	1986	-	-	-
132.34	Output RPM	26	13	9	26	13	9	26	13	9	-	-	-
	Input HP (Max) (C)	1.65	0.84	0.55	1.65	0.84	0.55	1.65	0.84	0.55	-	-	-
	Output Torque, In-Lb OHL Input Shaft (A)	3983	3983	3983	3983	3983	3983	3983	3983	3983	-	-	-
	OHL Output Shaft (B)	1884	1986	1986	1884	1986	1986	1884	1986	1986	-	-	-
150.48	Output RPM	23	12	8	23	12	8	-	-	-	-	-	-
	Input HP (Max) (C)	1.45	0.73	0.49	1.45	0.73	0.49	-	-	-	-	-	-
	Output Torque, In-Lb OHL Input Shaft (A)	3983	3983	3983	3983	3983	3983	-	-	-	-	-	-
	OHL Output Shaft (B)	1986	1986	1986	1986	1986	1986	-	-	-	-	-	-
161.05	Output RPM	21	11	7	-	-	-	-	-	-	-	-	-
	Input HP (Max) (C)	1.35	0.69	0.46	-	-	-	-	-	-	-	-	-
	Output Torque, In-Lb OHL Input Shaft (A)	3983	3983	3983	-	-	-	-	-	-	-	-	-
	OHL Output Shaft (B)	1986	1986	1986	-	-	-	-	-	-	-	-	-
185.66	Output RPM	19	9	6	-	-	-	-	-	-	-	-	-
	Input HP (Max) (C)	1.17	0.60	0.39	-	-	-	-	-	-	-	-	-
	Output Torque, In-Lb OHL Input Shaft (A)	3983	3983	3983	-	-	-	-	-	-	-	-	-
	OHL Output Shaft (B)	1986	1986	1986	-	-	-	-	-	-	-	-	-
208.77	Output RPM	17	8	6	-	-	-	-	-	-	-	-	-
	Input HP (Max) (C)	1.04	0.53	0.35	-	-	-	-	-	-	-	-	-
	Output Torque, In-Lb OHL Input Shaft (A)	3983	3983	3983	-	-	-	-	-	-	-	-	-
	OHL Output Shaft (B)	1986	1986	1986	-	-	-	-	-	-	-	-	-

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

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IN-LINE HELICAL REDUCER (ILH)

SIZE: H_681
60 HZ

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

NEMA MOTOR FRAME		56C	---	140TC	180TC	---	210TC
IEC MOTOR FRAME		71D	80D	90D	100D	112D	132D
SEPARATE GROUP		71	80	90	100	112	132
RATIO	OUTPUT RATING DATA	1750	1750	1750	1750	1750	1750
1.41	Output RPM	-	-	-	1242	1242	1242
	Input HP (Max) (C)	-	-	-	10.36	13.87	22.38
	Output Torque, In-Lb	-	-	-	526	704	1136
	OHL Input Shaft	-	-	-	190	230	390
	OHL Output Shaft (B)	-	-	-	-	-	-
1.70	Output RPM	-	-	-	1029	1029	1029
	Input HP (Max) (C)	-	-	-	10.36	13.83	21.10
	Output Torque, In-Lb	-	-	-	634	847	1292
	OHL Input Shaft	-	-	-	190	230	390
	OHL Output Shaft (B)	-	-	-	-	-	-
2.04	Output RPM	-	858	858	858	858	858
	Input HP (Max) (C)	-	2.46	5.00	10.36	13.07	19.74
	Output Torque, In-Lb	-	181	368	761	961	1450
	OHL Input Shaft	-	55	140	190	230	390
	OHL Output Shaft (B)	-	140	140	140	140	140
2.39	Output RPM	-	732	732	732	732	732
	Input HP (Max) (C)	-	2.46	5.00	9.90	12.33	18.46
	Output Torque, In-Lb	-	212	431	852	1062	1590
	OHL Input Shaft	-	55	140	190	230	390
	OHL Output Shaft (B)	-	111	111	111	111	111
2.85	Output RPM	-	614	614	614	614	614
	Input HP (Max) (C)	-	2.46	5.00	9.24	11.46	17.04
	Output Torque, In-Lb	-	252	514	948	1177	1749
	OHL Input Shaft	-	55	140	190	230	390
	OHL Output Shaft (B)	-	52	52	52	52	52
3.09	Output RPM	566	566	566	566	566	566
	Input HP (Max) (C)	2.02	2.46	4.86	8.92	11.05	16.41
	Output Torque, In-Lb	225	274	541	993	1230	1827
	OHL Input Shaft	55	55	140	190	230	390
	OHL Output Shaft (B)	52	52	52	52	52	52
3.45	Output RPM	507	507	507	507	507	507
	Input HP (Max) (C)	2.02	2.46	4.65	8.47	10.49	15.60
	Output Torque, In-Lb	251	305	577	1053	1303	1938
	OHL Input Shaft	55	55	140	190	230	390
	OHL Output Shaft (B)	68	68	68	68	68	68
3.74	Output RPM	468	468	468	468	468	468
	Input HP (Max) (C)	2.02	2.46	4.48	8.15	10.09	15.05
	Output Torque, In-Lb	272	331	604	1096	1358	2026
	OHL Input Shaft	55	55	140	190	230	390
	OHL Output Shaft (B)	73	73	73	73	73	73

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

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SELECTION



IN-LINE HELICAL REDUCER (ILH)

SIZE: H_681
60 HZ

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

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	1750	1750	1750	1750	1750	1750
4.24	Output RPM	413	413	413	413	413	413
	Input HP (Max) (C)	2.02	2.46	4.22	7.64	9.47	13.35
	Output Torque, In-Lb	308	375	644	1166	1445	2036
	OHL Input Shaft	55	55	140	190	230	390
	OHL Output Shaft (B)	160	160	160	160	160	160
4.56	Output RPM	384	384	384	384	384	384
	Input HP (Max) (C)	2.02	2.46	4.07	7.36	9.15	11.85
	Output Torque, In-Lb	332	404	668	1209	1503	1947
	OHL Input Shaft	55	55	140	190	230	390
	OHL Output Shaft (B)	160	160	160	160	160	160
4.93	Output RPM	355	355	355	355	355	355
	Input HP (Max) (C)	2.02	2.46	3.90	7.06	8.81	11.21
	Output Torque, In-Lb	359	437	693	1255	1566	1191
	OHL Input Shaft	55	55	140	190	230	390
	OHL Output Shaft (B)	453	453	453	453	453	453
5.36	Output RPM	327	327	327	327	327	327
	Input HP (Max) (C)	2.02	2.46	3.73	6.78	8.50	10.09
	Output Torque, In-Lb	389	474	720	1308	1641	1947
	OHL Input Shaft	55	55	140	190	230	390
	OHL Output Shaft (B)	453	453	453	453	453	453
5.92	Output RPM	295	295	295	295	295	295
	Input HP (Max) (C)	1.93	2.46	3.53	6.44	7.88	7.88
	Output Torque, In-Lb	413	524	752	1375	1682	1682
	OHL Input Shaft	55	55	140	190	230	390
	OHL Output Shaft (B)	453	453	453	453	453	453
6.42	Output RPM	273	273	273	273	273	273
	Input HP (Max) (C)	1.85	2.46	3.37	6.22	6.51	6.51
	Output Torque, In-Lb	428	568	779	1438	1505	1505
	OHL Input Shaft	55	55	140	190	230	390
	OHL Output Shaft (B)	657	657	657	657	657	657
7.23	Output RPM	242	242	242	242	242	-
	Input HP (Max) (C)	1.73	2.32	3.16	5.10	5.10	-
	Output Torque, In-Lb	451	604	822	1328	1328	-
	OHL Input Shaft	55	55	140	190	230	-
	OHL Output Shaft (B)	657	657	657	657	657	-
7.92	Output RPM	221	221	221	221	221	-
	Input HP (Max) (C)	1.65	2.19	3.00	5.28	5.28	-
	Output Torque, In-Lb	469	625	856	1505	1505	-
	OHL Input Shaft	55	55	140	190	230	-
	OHL Output Shaft (B)	1078	1078	1078	1078	1078	-

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

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SELECTION



QUANTS

QUANTS GOLD

ILH

RHB

MSM

IN-LINE HELICAL REDUCER (ILH)

SIZE: H_681
60 HZ

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

NEMA MOTOR FRAME		56C	---	140TC	180TC	---	210TC
IEC MOTOR FRAME		71D	80D	90D	100D	112D	132D
SEPARATE GROUP		71	80	90	100	112	132
RATIO	OUTPUT RATING DATA	1750	1750	1750	1750	1750	1750
8.82	Output RPM	198	198	198	198	-	-
	Input HP (Max) (C)	1.55	2.06	2.81	4.18	-	-
	Output Torque, In-Lb	491	653	892	1328	-	-
	OHL Input Shaft	55	55	140	190	-	-
	OHL Output Shaft (B)	1078	1078	1078	1078	-	-
10.08	Output RPM	174	174	174	-	-	-
	Input HP (Max) (C)	1.43	1.88	2.32	-	-	-
	Output Torque, In-Lb	518	684	841	-	-	-
	OHL Input Shaft	55	55	140	-	-	-
	OHL Output Shaft (B)	1366	1366	1366	-	-	-
11.18	Output RPM	157	157	157	-	-	-
	Input HP (Max) (C)	1.33	1.75	2.02	-	-	-
	Output Torque, In-Lb	536	706	814	-	-	-
	OHL Input Shaft	55	55	140	-	-	-
	OHL Output Shaft (B)	1366	1366	1366	-	-	-
12.40	Output RPM	141	141	141	-	-	-
	Input HP (Max) (C)	1.24	1.53	1.61	-	-	-
	Output Torque, In-Lb	553	684	717	-	-	-
	OHL Input Shaft	55	55	140	-	-	-
	OHL Output Shaft (B)	1366	1366	1366	-	-	-

(A) (B) (C) - See Footnotes page on inside back cover
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IN-LINE HELICAL REDUCER (ILH)

SIZE: H_682
60 HZ

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

DOUBLE REDUCTION

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
3.49	Output RPM	-	-	-	-	-	-	-	-	-	989	501	332	989	501	332	989	501	332
	Input HP (Max) (C)	-	-	-	-	-	-	-	-	-	20.44	10.37	6.87	27.38	13.89	9.20	39.98	26.64	18.15
	Output Torque, In-Lb	-	-	-	-	-	-	-	-	-	1303	1303	1303	1745	1745	1745	2549	3349	3441
	OHL Input Shaft	-	-	-	-	-	-	-	-	-	(A)	713	742	(A)	843	877	(A)	948	986
	OHL Output Shaft (B)	-	-	-	-	-	-	-	-	-	(A)	1498	904	(A)	1498	904	(A)	1498	1466
4.22	Output RPM	-	-	-	-	-	-	-	-	-	818	415	275	818	415	275	818	415	275
	Input HP (Max) (C)	-	-	-	-	-	-	-	-	-	20.40	10.35	6.86	27.31	13.85	9.18	37.46	24.96	17.08
	Output Torque, In-Lb	-	-	-	-	-	-	-	-	-	1573	1573	1573	2106	2106	2106	2888	3794	3915
	OHL Input Shaft	-	-	-	-	-	-	-	-	-	(A)	713	742	(A)	843	877	(A)	947	985
	OHL Output Shaft (B)	-	-	-	-	-	-	-	-	-	(A)	1473	1466	(A)	1473	1466	(A)	1473	1466
5.06	Output RPM	-	-	-	682	346	229	682	346	229	682	346	229	682	346	229	682	346	229
	Input HP (Max) (C)	-	-	-	4.84	2.46	1.63	9.86	5.00	3.32	20.41	10.35	6.86	27.34	13.87	9.19	34.92	23.27	15.78
	Output Torque, In-Lb	-	-	-	448	448	448	912	912	912	1887	1887	1887	2527	2527	2527	3228	4241	4337
	OHL Input Shaft	-	-	-	(A)	346	360	(A)	453	471	(A)	711	740	(A)	840	875	(A)	947	985
	OHL Output Shaft (B)	-	-	-	(A)	1466	1057	(A)	1466	1057	(A)	1466	1057	(A)	1466	1057	(A)	1466	1057
5.93	Output RPM	-	-	-	582	295	196	582	295	196	582	295	196	582	295	196	582	295	196
	Input HP (Max) (C)	-	-	-	4.85	2.46	1.63	9.86	5.00	3.32	20.42	10.36	6.87	27.34	13.87	9.19	32.62	20.31	13.46
	Output Torque, In-Lb	-	-	-	525	525	525	1069	1069	1069	2212	2212	2212	2962	2962	2962	3534	4337	4337
	OHL Input Shaft	-	-	-	(A)	346	360	(A)	454	472	(A)	707	737	(A)	836	872	(A)	952	992
	OHL Output Shaft (B)	-	-	-	(A)	1466	1057	(A)	1466	1057	(A)	1466	1057	(A)	1466	1057	(A)	1466	1057
6.72	Output RPM	-	-	-	-	-	-	-	-	-	513	260	173	513	260	173	513	260	173
	Input HP (Max) (C)	-	-	-	-	-	-	-	-	-	20.42	10.36	6.87	27.34	13.87	9.19	37.03	24.68	17.31
	Output Torque, In-Lb	-	-	-	-	-	-	-	-	-	2507	2507	2507	3356	3356	3356	4546	5973	6320
	OHL Input Shaft	-	-	-	-	-	-	-	-	-	(A)	713	742	(A)	843	877	(A)	953	986
	OHL Output Shaft (B)	-	-	-	-	-	-	-	-	-	(A)	1466	1057	(A)	1466	1057	(A)	1466	1057
8.11	Output RPM	-	-	-	-	-	-	-	-	-	425	216	143	425	216	143	425	216	143
	Input HP (Max) (C)	-	-	-	-	-	-	-	-	-	20.41	10.35	6.86	27.33	13.86	9.19	33.73	22.48	15.77
	Output Torque, In-Lb	-	-	-	-	-	-	-	-	-	3024	3024	3024	4049	4049	4049	4997	6565	6948
	OHL Input Shaft	-	-	-	-	-	-	-	-	-	(A)	713	742	(A)	843	877	(A)	954	985
	OHL Output Shaft (B)	-	-	-	-	-	-	-	-	-	(A)	1057	962	(A)	1057	962	(A)	1057	962
9.73	Output RPM	-	-	-	355	180	119	355	180	119	355	180	119	355	180	119	355	180	119
	Input HP (Max) (C)	-	-	-	4.84	2.46	1.63	9.86	5.00	3.32	20.42	10.36	6.86	27.34	13.87	9.19	30.28	20.17	13.39
	Output Torque, In-Lb	-	-	-	861	861	861	1753	1753	1753	3629	3629	3629	4859	4859	4859	5382	7067	7081
	OHL Input Shaft	-	-	-	(A)	346	360	(A)	453	471	(A)	711	740	(A)	840	875	(A)	955	985
	OHL Output Shaft (B)	-	-	-	1466	1057	962	1466	1057	962	1466	1057	962	1466	1057	962	1466	1057	962
11.40	Output RPM	-	-	-	303	154	102	303	154	102	303	154	102	303	154	102	303	154	102
	Input HP (Max) (C)	-	-	-	4.85	2.46	1.63	9.87	5.01	3.32	20.43	10.36	6.87	27.25	13.87	9.20	27.25	17.25	11.43
	Output Torque, In-Lb	-	-	-	1009	1009	1009	2055	2055	2055	4254	4254	4254	5676	5696	5696	5676	7081	7081
	OHL Input Shaft	-	-	-	(A)	346	360	(A)	454	472	(A)	707	737	(A)	836	872	(A)	957	992
	OHL Output Shaft (B)	-	-	-	1466	962	962	1466	962	962	1466	962	962	1466	962	962	1466	962	962

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

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IN-LINE HELICAL REDUCER (ILH)

**SIZE: H_682
60 HZ**

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

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
13.59	Output RPM	-	-	-	254	129	85	254	129	85	254	129	85	254	129	85	254	129	85
	Input HP (Max) (C)	-	-	-	4.85	2.46	1.63	9.86	5.00	3.32	20.42	10.36	6.87	24.22	13.74	9.19	24.22	14.47	9.59
	Output Torque, In-Lb	-	-	-	1203	1203	1203	2449	2449	2449	5070	5070	5070	6013	6726	6789	6013	7081	7081
	OHL Input Shaft	-	-	-	(A)	346	360	(A)	456	470	(A)	708	738	(A)	838	873	(A)	957	990
	OHL Output Shaft (B)	-	-	-	1466	962	1306	1466	962	1306	1466	962	1306	1466	962	1306	1466	962	1306
14.74	Output RPM	234	119	79	234	119	79	234	119	79	234	119	79	234	119	79	234	119	79
	Input HP (Max) (C)	3.98	2.02	1.34	4.85	2.46	1.63	9.86	5.00	3.32	19.95	10.36	6.87	22.93	13.25	8.84	22.92	13.34	8.84
	Output Torque, In-Lb	1072	1072	1072	1305	1305	1305	2656	2656	2656	5373	5499	5499	6173	7031	7081	6173	7081	7081
	OHL Input Shaft	(A)	218	226	(A)	346	360	(A)	456	474	(A)	712	736	(A)	828	872	(A)	958	991
	OHL Output Shaft (B)	1057	962	1306	1057	962	1306	1057	962	1306	1057	962	1306	1057	962	1306	1057	962	1306
16.45	Output RPM	210	106	71	210	106	71	210	106	71	210	106	71	210	106	71	210	106	71
	Input HP (Max) (C)	3.98	2.02	1.34	4.85	2.46	1.63	9.87	5.00	3.32	18.96	9.95	6.85	21.29	11.95	7.92	21.29	11.95	7.92
	Output Torque, In-Lb	1196	1196	1196	1456	1456	1456	2965	2965	2965	5698	5892	6123	6398	7081	7081	6398	7081	7081
	OHL Input Shaft	(A)	218	226	(A)	346	360	(A)	456	474	(A)	695	740	(A)	840	870	(A)	950	995
	OHL Output Shaft (B)	1057	962	1306	1057	962	1306	1057	962	1306	1057	962	1306	1057	962	1306	1057	962	1306
17.82	Output RPM	194	98	65	194	98	65	194	98	65	194	98	65	194	98	65	194	98	65
	Input HP (Max) (C)	3.98	2.02	1.34	4.85	2.46	1.63	9.86	5.00	3.32	18.23	9.56	6.59	20.16	11.03	7.31	20.16	11.03	7.31
	Output Torque, In-Lb	1296	1296	1296	1577	1577	1577	3211	3211	3211	5936	6136	6378	6564	7081	7081	6564	7081	7081
	OHL Input Shaft	(A)	217	226	(A)	346	360	(A)	455	474	(A)	660	740	(A)	837	872	(A)	949	996
	OHL Output Shaft (B)	1057	1306	1306	1057	1306	1306	1057	1306	1306	1057	1306	1306	1057	1306	1306	1057	1306	1306
20.20	Output RPM	171	87	57	171	87	57	171	87	57	171	87	57	171	87	57	171	87	57
	Input HP (Max) (C)	3.98	2.02	1.34	4.84	2.46	1.63	9.47	4.94	3.32	17.10	8.97	6.18	18.52	9.73	6.45	18.52	9.73	6.45
	Output Torque, In-Lb	1469	1469	1469	1788	1788	1788	3493	3593	3639	6309	6524	6781	6833	7081	7081	6833	7081	7081
	OHL Input Shaft	(A)	219	228	(A)	346	360	(A)	454	472	(A)	602	739	(A)	840	875	(A)	952	997
	OHL Output Shaft (B)	1057	1306	1940	1057	1306	1940	1057	1306	1940	1057	1306	1940	1057	1306	1940	1057	1306	1940
21.76	Output RPM	159	80	53	159	80	53	159	80	53	159	80	53	159	80	53	159	80	53
	Input HP (Max) (C)	3.98	2.02	1.34	4.84	2.46	1.63	9.11	4.76	3.29	16.46	8.63	5.95	17.60	9.04	5.99	17.60	9.04	5.99
	Output Torque, In-Lb	1582	1582	1582	1926	1926	1926	3622	3727	3885	6542	6765	7032	6995	7081	7081	6995	7081	7081
	OHL Input Shaft	(A)	218	227	(A)	346	360	(A)	454	471	(A)	566	739	(A)	841	876	(A)	953	997
	OHL Output Shaft (B)	962	1306	1940	962	1306	1940	962	1306	1940	962	1306	1940	962	1306	1940	962	1306	1940
23.53	Output RPM	147	74	49	147	74	49	147	74	49	147	74	49	147	74	49	147	74	49
	Input HP (Max) (C)	3.98	2.02	1.34	4.84	2.46	1.63	8.74	4.56	3.15	15.81	8.29	5.54	16.47	8.36	5.54	16.47	8.36	5.54
	Output Torque, In-Lb	1711	1711	1711	2082	2082	2082	3758	3867	4031	6794	7025	7081	7081	7081	7081	7081	7081	7081
	OHL Input Shaft	(A)	218	227	(A)	346	360	(A)	454	471	(A)	525	740	(A)	842	877	(A)	955	990
	OHL Output Shaft (B)	962	1306	1940	962	1306	1940	962	1306	1940	962	1306	1940	962	1306	1940	962	1306	1940
25.55	Output RPM	135	68	45	135	68	45	135	68	45	135	68	45	135	68	45	135	68	45
	Input HP (Max) (C)	3.98	2.02	1.34	4.84	2.46	1.63	8.36	4.36	3.01	14.88	7.70	5.10	15.17	7.70	5.10	15.17	7.70	5.10
	Output Torque, In-Lb	1858	1858	1858	2261	2261	2261	3901	4014	4185	6943	7081	7081	7081	7081	7081	7081	7081	7081
	OHL Input Shaft	(A)	218	226	(A)	345	359	(A)	454	471	(A)	536	741	(A)	843	877	(A)	956	989
	OHL Output Shaft (B)	962	1306	1940	962	1306	1940	962	1306	1940	962	1306	1940	962	1306	1940	962	1306	1940

(A) (B) (C) - See Footnotes page on inside back cover
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IN-LINE HELICAL REDUCER (ILH)

SIZE: H_682

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

60 HZ

DOUBLE REDUCTION

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
28.25	Output RPM	122	62	41	122	62	41	122	62	41	122	62	41	122	62	41	122	62	41
	Input HP (Max) (C)	3.69	2.01	1.34	4.84	2.46	1.63	7.90	4.12	2.85	13.72	6.96	4.61	13.72	6.96	4.61	13.72	6.96	4.61
	Output Torque, In-Lb	1904	2040	2054	2500	2500	2500	4075	4195	4373	7081	7081	7081	7081	7081	7081	7081	7081	7081
	OHL Input Shaft	(A)	217	226	(A)	345	359	(A)	454	471	(A)	566	742	(A)	843	878	(A)	957	992
	OHL Output Shaft (B)	962	1940	1940	962	1940	1940	962	1940	1940	962	1940	1940	962	1940	1940	962	1940	1940
30.60	Output RPM	113	57	38	113	57	38	113	57	38	113	57	38	113	57	38	113	57	38
	Input HP (Max) (C)	3.46	1.88	1.29	4.85	2.46	1.63	7.55	3.94	2.73	12.67	6.43	4.26	12.67	6.43	4.26	12.67	6.43	4.26
	Output Torque, In-Lb	1934	2072	2147	2709	2709	2709	4222	4346	4531	7081	7081	7081	7081	7081	7081	7081	7081	7081
	OHL Input Shaft	(A)	218	227	(A)	344	358	(A)	453	471	(A)	587	742	(A)	844	878	(A)	957	993
	OHL Output Shaft (B)	962	1940	2765	962	1940	2765	962	1940	2765	962	1940	2765	962	1940	2765	962	1940	2765
34.49	Output RPM	100	51	34	100	51	34	100	51	34	100	51	37	100	51	34	-	-	-
	Input HP (Max) (C)	3.14	1.70	1.17	4.84	2.46	1.63	7.06	3.69	2.55	11.24	5.70	3.78	11.24	5.70	3.78	-	-	-
	Output Torque, In-Lb	1975	2116	2193	3052	3052	3052	4449	4582	4777	7081	7081	7081	7081	7081	7081	-	-	-
	OHL Input Shaft	(A)	218	227	(A)	344	357	(A)	453	471	(A)	617	739	(A)	844	879	-	-	-
	OHL Output Shaft (B)	962	1940	2765	962	1940	2765	962	1940	2765	962	1940	2765	962	1940	2765	-	-	-
37.76	Output RPM	91	46	31	91	46	31	91	46	31	91	46	37	91	46	31	-	-	-
	Input HP (Max) (C)	2.90	1.58	1.08	4.60	2.46	1.63	6.72	3.51	2.43	10.27	5.21	3.45	10.24	5.21	3.45	-	-	-
	Output Torque, In-Lb	2004	2146	2225	3176	3342	3342	4636	4773	4978	7081	7081	7081	7063	7081	7081	-	-	-
	OHL Input Shaft	(A)	218	227	(A)	343	356	(A)	457	472	(A)	637	740	(A)	845	879	-	-	-
	OHL Output Shaft (B)	1306	1940	2765	1306	1940	2765	1306	1940	2765	1306	1940	2765	1306	1940	2765	-	-	-
42.06	Output RPM	82	42	28	82	42	28	82	42	28	82	42	37	-	-	-	-	-	-
	Input HP (Max) (C)	2.65	1.44	0.99	4.31	2.36	1.55	6.29	3.29	2.27	7.77	4.67	2.89	-	-	-	-	-	-
	Output Torque, In-Lb	2036	2181	2260	3310	3576	3550	4834	4977	5189	5970	7081	6602	-	-	-	-	-	-
	OHL Input Shaft	(A)	218	227	(A)	343	356	(A)	457	472	(A)	---	741	-	-	-	-	-	-
	OHL Output Shaft (B)	1306	1940	2765	1306	1940	2765	1306	1940	2765	1306	1940	2765	-	-	-	-	-	-
48.09	Output RPM	72	36	24	72	36	24	72	36	24	-	-	-	-	-	-	-	-	-
	Input HP (Max) (C)	2.36	1.28	0.88	3.94	2.16	1.42	5.83	3.04	2.10	-	-	-	-	-	-	-	-	-
	Output Torque, In-Lb	2073	2220	2301	3463	3747	3715	5118	5272	5497	-	-	-	-	-	-	-	-	-
	OHL Input Shaft	(A)	219	227	(A)	343	356	(A)	457	475	-	-	-	-	-	-	-	-	-
	OHL Output Shaft (B)	1306	2765	3091	1306	2765	3091	1306	2765	3091	-	-	-	-	-	-	-	-	-

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

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IN-LINE HELICAL REDUCER (ILH)

**SIZE: H_683
60 HZ**

**Service Factor - 1.0 Clamp Collar / 3 Pc Coupled / Separate
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
37.80	Output RPM	-	-	-	91	46	31	91	46	31	91	46	31
	Input HP (Max) (C)	-	-	-	4.84	2.46	1.63	7.84	5.00	3.32	7.84	5.20	3.45
	Output Torque, In-Lb	-	-	-	3346	3346	3346	5415	6811	6811	5415	7081	7081
	OHL Input Shaft	-	-	-	(A)	346	360	(A)	453	471	(A)	714	743
	OHL Output Shaft (B)	-	-	-	1306	1940	2765	1306	1940	2765	1306	1940	2765
45.41	Output RPM	-	-	-	76	39	26	76	39	26	76	39	26
	Input HP (Max) (C)	-	-	-	4.85	2.46	1.63	6.97	4.33	2.87	6.97	4.33	2.87
	Output Torque, In-Lb	-	-	-	4019	4019	4019	5780	7081	7081	5780	7081	7081
	OHL Input Shaft	-	-	-	(A)	346	360	(A)	455	473	(A)	715	744
	OHL Output Shaft (B)	-	-	-	1306	2765	2765	1306	2765	2765	1306	2765	2765
53.47	Output RPM	-	-	-	65	33	22	65	33	22	65	33	22
	Input HP (Max) (C)	-	-	-	4.84	2.46	1.63	6.18	3.68	2.44	6.18	3.68	2.44
	Output Torque, In-Lb	-	-	-	4732	4732	4732	6039	7081	7081	6039	7081	7081
	OHL Input Shaft	-	-	-	(A)	346	360	(A)	456	474	(A)	715	744
	OHL Output Shaft (B)	-	-	-	1306	2765	3091	1306	2765	3091	1306	2765	3091
59.91	Output RPM	58	29	19	58	29	19	58	29	19	58	29	19
	Input HP (Max) (C)	3.98	2.02	1.34	4.85	2.46	1.63	5.70	3.28	2.18	5.70	3.28	2.18
	Output Torque, In-Lb	4356	4356	4356	5303	5303	5303	6234	7081	7081	6234	7081	7081
	OHL Input Shaft	(A)	218	227	(A)	346	360	(A)	456	475	(A)	715	744
	OHL Output Shaft (B)	1940	2765	3091	1940	2765	3091	1940	2765	3091	1940	2765	3091
67.14	Output RPM	51	26	17	51	26	17	51	26	17	51	26	17
	Input HP (Max) (C)	3.98	2.02	1.34	4.85	2.46	1.63	5.25	2.93	1.94	5.25	2.93	1.94
	Output Torque, In-Lb	4882	4882	4882	5943	5943	5943	6440	7081	7081	6440	7081	7081
	OHL Input Shaft	(A)	217	226	(A)	346	360	(A)	457	475	(A)	708	737
	OHL Output Shaft (B)	1940	2765	3091	1940	2765	3091	1940	2765	3091	1940	2765	3091
73.30	Output RPM	47	24	16	47	24	16	47	24	16	47	24	16
	Input HP (Max) (C)	3.98	2.02	1.34	4.84	2.46	1.63	4.93	2.68	1.78	4.93	2.68	1.78
	Output Torque, In-Lb	5329	5329	5329	6487	6487	6487	6606	7081	7081	6606	7081	7081
	OHL Input Shaft	(A)	219	228	(A)	346	360	(A)	457	475	(A)	708	737
	OHL Output Shaft (B)	1940	3091	3091	1940	3091	3091	1940	3091	3091	1940	3091	3091
80.46	Output RPM	43	22	14	43	22	14	43	22	14	43	22	14
	Input HP (Max) (C)	3.98	2.02	1.34	4.62	2.44	1.62	4.62	2.44	1.62	4.62	2.44	1.62
	Output Torque, In-Lb	5850	5850	5850	6789	7081	7081	6789	7081	7081	6789	7081	7081
	OHL Input Shaft	(A)	219	227	(A)	346	360	(A)	457	476	(A)	710	738
	OHL Output Shaft (B)	1940	3091	3170	1940	3091	3170	1940	3091	3170	1940	3091	3170
88.59	Output RPM	39	20	13	39	20	13	39	20	13	-	-	-
	Input HP (Max) (C)	3.98	2.02	1.34	4.32	2.22	1.47	4.32	2.22	1.47	-	-	-
	Output Torque, In-Lb	6441	6441	6441	6988	7081	7081	6988	7081	7081	-	-	-
	OHL Input Shaft	(A)	218	227	(A)	346	360	(A)	457	476	-	-	-
	OHL Output Shaft (B)	2765	3091	3170	2765	3091	3170	2765	3091	3170	-	-	-

(A) (B) (C) - See Footnotes page on inside back cover
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IN-LINE HELICAL REDUCER (ILH)

SIZE: H_683
60 HZ

Service Factor - 1.0 Clamp Collar / 3 Pc Coupled / Separate
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
96.16	Output RPM	36	18	12	36	18	12	36	18	12	-	-	-
	Input HP (Max) (C)	3.98	2.02	1.34	4.03	2.04	1.36	4.03	2.04	1.36	-	-	-
	Output Torque, In-Lb	6991	6991	6991	7081	7081	7081	7081	7081	7081	-	-	-
	OHL Input Shaft	(A)	217	226	(A)	346	360	(A)	457	476	-	-	-
	OHL Output Shaft (B)	2765	3091	3170	2765	3091	3170	2765	3091	3170	-	-	-
104.80	Output RPM	33	17	11	33	17	11	33	17	11	-	-	-
	Input HP (Max) (C)	3.70	1.88	1.24	3.70	1.88	1.24	3.70	1.88	1.24	-	-	-
	Output Torque, In-Lb	7081	7081	7081	7081	7081	7081	7081	7081	7081	-	-	-
	OHL Input Shaft	(A)	218	227	(A)	346	360	(A)	457	476	-	-	-
	OHL Output Shaft (B)	2765	3091	3170	2765	3091	3170	2765	3091	3170	-	-	-
114.78	Output RPM	30	15	10	30	15	10	30	15	10	-	-	-
	Input HP (Max) (C)	3.38	1.71	1.14	3.38	1.71	1.14	3.38	1.71	1.14	-	-	-
	Output Torque, In-Lb	7081	7081	7081	7081	7081	7081	7081	7081	7081	-	-	-
	OHL Input Shaft	(A)	218	227	(A)	346	360	(A)	457	476	-	-	-
	OHL Output Shaft (B)	2765	3170	3170	2765	3170	3170	2765	3170	3170	-	-	-
126.41	Output RPM	27	14	9	27	14	9	27	14	9	-	-	-
	Input HP (Max) (C)	3.07	1.56	1.03	3.07	1.56	1.03	3.07	1.56	1.03	-	-	-
	Output Torque, In-Lb	7081	7081	7081	7081	7081	7081	7081	7081	7081	-	-	-
	OHL Input Shaft	(A)	219	227	(A)	346	360	(A)	453	471	-	-	-
	OHL Output Shaft (B)	2765	3170	3170	2765	3170	3170	2765	3170	3170	-	-	-
145.38	Output RPM	24	12	8	24	12	8	24	12	8	-	-	-
	Input HP (Max) (C)	2.67	1.35	0.90	2.67	1.35	0.90	2.67	1.35	0.90	-	-	-
	Output Torque, In-Lb	7081	7081	7081	7081	7081	7081	7081	7081	7081	-	-	-
	OHL Input Shaft	(A)	219	228	(A)	346	360	(A)	454	472	-	-	-
	OHL Output Shaft (B)	3091	3170	3170	3091	3170	3170	3091	3170	3170	-	-	-
157.50	Output RPM	22	11	7	22	11	7	22	11	7	-	-	-
	Input HP (Max) (C)	2.46	1.25	0.83	2.46	1.25	0.83	2.46	1.25	0.83	-	-	-
	Output Torque, In-Lb	7081	7081	7081	7081	7081	7081	7081	7081	7081	-	-	-
	OHL Input Shaft	(A)	219	226	(A)	343	357	(A)	454	473	-	-	-
	OHL Output Shaft (B)	3091	3170	3170	3091	3170	3170	3091	3170	3170	-	-	-
174.08	Output RPM	20	10	7	20	10	7	20	10	7	-	-	-
	Input HP (Max) (C)	2.23	1.13	0.75	2.23	1.13	0.75	2.23	1.13	0.75	-	-	-
	Output Torque, In-Lb	7081	7081	7081	7081	7081	7081	7081	7081	7081	-	-	-
	OHL Input Shaft	(A)	219	227	(A)	344	357	(A)	455	473	-	-	-
	OHL Output Shaft (B)	3091	3170	3170	3091	3170	3170	3091	3170	3170	-	-	-
203.09	Output RPM	17	9	6	17	9	6	17	9	6	-	-	-
	Input HP (Max) (C)	1.91	0.97	0.64	1.91	0.97	0.64	1.91	0.97	0.64	-	-	-
	Output Torque, In-Lb	7081	7081	7081	7081	7081	7081	7081	7081	7081	-	-	-
	OHL Input Shaft	(A)	218	227	(A)	345	358	(A)	456	474	-	-	-
	OHL Output Shaft (B)	3091	3170	3170	3091	3170	3170	3091	3170	3170	-	-	-

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



IN-LINE HELICAL REDUCER (ILH)

SIZE: H_683
60 HZ

Service Factor - 1.0 Clamp Collar / 3 Pc Coupled / Separate
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
226.07	Output RPM	15	8	5	15	8	5	15	8	5	-	-	-
	Input HP (Max) (C)	1.71	0.87	0.58	1.71	0.87	0.58	1.71	0.87	0.58	-	-	-
	Output Torque, In-Lb	7081	7081	7081	7081	7081	7081	7081	7081	7081	-	-	-
	OHL Input Shaft	(A)	219	227	(A)	345	359	(A)	456	474	-	-	-
	OHL Output Shaft (B)	3170	3170	3170	3170	3170	3170	3170	3170	3170	-	-	-
248.68	Output RPM	14	7	5	14	7	5	14	7	5	-	-	-
	Input HP (Max) (C)	1.56	0.79	0.52	1.56	0.79	0.52	1.56	0.79	0.52	-	-	-
	Output Torque, In-Lb	7081	7081	7081	7081	7081	7081	7081	7081	7081	-	-	-
	OHL Input Shaft	(A)	219	228	(A)	345	359	(A)	456	475	-	-	-
	OHL Output Shaft (B)	3170	3170	3170	3170	3170	3170	3170	3170	3170	-	-	-
281.01	Output RPM	12	6	4	12	6	4	-	-	-	-	-	-
	Input HP (Max) (C)	1.38	0.70	0.46	1.38	0.70	0.46	-	-	-	-	-	-
	Output Torque, In-Lb	7081	7081	7081	7081	7081	7081	-	-	-	-	-	-
	OHL Input Shaft	(A)	219	228	(A)	346	359	-	-	-	-	-	-
	OHL Output Shaft (B)	3170	3170	3170	3170	3170	3170	-	-	-	-	-	-

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



IN-LINE HELICAL REDUCER (ILH)

SIZE: H_881
60 HZ

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

NEMA MOTOR FRAME IEC MOTOR FRAME SEPARATE GROUP		140TC 90D 90	180TC 100D 100	--- 112D 112	210TC 132D 132	250TC 160D 160
RATIO	OUTPUT RATING DATA	1750	1750	1750	1750	1750
1.71	Output RPM	-	-	1021	1021	1021
	Input HP (Max) (C)	-	-	13.87	25.09	41.56
	Output Torque, In-Lb	-	-	856	1549	2566
	OHL Input Shaft	-	-	230	390	410
	OHL Output Shaft (B)	-	-	-	-	-
2.09	Output RPM	-	837	837	837	837
	Input HP (Max) (C)	-	10.36	13.87	23.80	38.91
	Output Torque, In-Lb	-	780	1044	1792	2930
	OHL Input Shaft	-	190	230	390	410
	OHL Output Shaft (B)	-	-	-	-	-
2.45	Output RPM	-	714	714	714	714
	Input HP (Max) (C)	-	10.36	13.87	22.58	36.58
	Output Torque, In-Lb	-	914	1224	1993	3228
	OHL Input Shaft	-	190	230	390	410
	OHL Output Shaft (B)	-	460	460	460	460
2.88	Output RPM	608	608	608	608	608
	Input HP (Max) (C)	5.00	10.36	13.87	21.24	34.17
	Output Torque, In-Lb	519	1074	1438	2203	3544
	OHL Input Shaft	140	190	230	390	410
	OHL Output Shaft (B)	487	487	487	487	487
3.30	Output RPM	530	530	530	530	530
	Input HP (Max) (C)	5.00	10.36	13.53	20.02	32.15
	Output Torque, In-Lb	595	1233	1610	2383	3826
	OHL Input Shaft	140	190	230	390	410
	OHL Output Shaft (B)	617	617	617	617	617
3.90	Output RPM	449	449	449	449	449
	Input HP (Max) (C)	5.00	10.22	12.65	18.53	24.26
	Output Torque, In-Lb	703	1436	1777	2603	3408
	OHL Input Shaft	140	190	230	390	410
	OHL Output Shaft (B)	690	690	690	690	690
4.23	Output RPM	414	414	414	414	414
	Input HP (Max) (C)	5.00	9.88	12.21	17.84	23.25
	Output Torque, In-Lb	762	1504	1858	2716	3540
	OHL Input Shaft	140	190	230	390	410
	OHL Output Shaft (B)	783	783	783	783	783
4.70	Output RPM	372	372	372	372	372
	Input HP (Max) (C)	4.85	9.43	11.62	16.97	20.13
	Output Torque, In-Lb	822	1595	1967	2873	3408
	OHL Input Shaft	140	190	230	390	410
	OHL Output Shaft (B)	783	783	783	783	783
5.11	Output RPM	343	343	343	343	343
	Input HP (Max) (C)	4.68	9.06	11.17	16.34	17.81
	Output Torque, In-Lb	860	1666	2054	3004	3275
	OHL Input Shaft	140	190	230	390	410
	OHL Output Shaft (B)	1221	1221	1221	1221	1221

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



IN-LINE HELICAL REDUCER (ILH)

SIZE: H_881
60 HZ

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

NEMA MOTOR FRAME IEC MOTOR FRAME SEPARATE GROUP		140TC 90D 90	180TC 100D 100	---	210TC 132D 132	250TC 160D 160
RATIO	OUTPUT RATING DATA	1750	1750	1750	1750	1750
5.65	Output RPM	310	310	310	310	310
	Input HP (Max) (C)	4.46	8.63	10.64	13.93	13.93
	Output Torque, In-Lb	906	1755	2164	2832	2832
	OHL Input Shaft	140	190	230	390	410
	OHL Output Shaft (B)	1221	1221	1221	1221	1221
6.06	Output RPM	289	289	289	289	289
	Input HP (Max) (C)	4.30	8.34	10.30	11.35	11.35
	Output Torque, In-Lb	939	1820	2249	2478	2478
	OHL Input Shaft	140	190	230	390	410
	OHL Output Shaft (B)	1221	1221	1221	1221	1221
6.53	Output RPM	268	268	268	268	-
	Input HP (Max) (C)	4.13	8.03	9.96	11.28	-
	Output Torque, In-Lb	972	1890	2434	2655	-
	OHL Input Shaft	140	190	230	390	-
	OHL Output Shaft (B)	1440	1440	1440	1440	-
7.07	Output RPM	247	247	247	247	-
	Input HP (Max) (C)	3.96	7.74	9.64	10.08	-
	Output Torque, In-Lb	1008	1970	2454	2567	-
	OHL Input Shaft	140	190	230	390	-
	OHL Output Shaft (B)	1440	1440	1440	1440	-
7.69	Output RPM	228	228	228	228	-
	Input HP (Max) (C)	3.78	7.45	7.83	7.83	-
	Output Torque, In-Lb	1047	2063	2168	2168	-
	OHL Input Shaft	140	190	230	390	-
	OHL Output Shaft (B)	1690	1690	1690	1690	-
8.42	Output RPM	208	208	208	208	-
	Input HP (Max) (C)	3.59	7.15	7.15	7.15	-
	Output Torque, In-Lb	1089	2168	2168	2168	-
	OHL Input Shaft	140	190	230	390	-
	OHL Output Shaft (B)	1690	1690	1690	1690	-
9.46	Output RPM	185	185	185	-	-
	Input HP (Max) (C)	3.37	5.45	5.45	-	-
	Output Torque, In-Lb	1147	1859	1859	-	-
	OHL Input Shaft	140	190	230	-	-
	OHL Output Shaft (B)	1690	1690	1690	-	-
10.33	Output RPM	169	169	169	-	-
	Input HP (Max) (C)	3.21	5.47	5.47	-	-
	Output Torque, In-Lb	1195	2036	2036	-	-
	OHL Input Shaft	140	190	230	-	-
	OHL Output Shaft (B)	1882	1882	1882	-	-

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

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IN-LINE HELICAL REDUCER (ILH)

SIZE: H_882
60 HZ

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

NEMA MOTOR FRAME IEC MOTOR FRAME SEPARATE GROUP		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
4.87	Output RPM	-	-	-	-	-	-	708	359	238	708	359	238	708	359	238
	Input HP (Max) (C)	-	-	-	-	-	-	27.33	13.86	9.19	56.18	30.17	20.32	89.61	45.45	30.13
	Output Torque, In-Lb	-	-	-	-	-	-	2432	2432	2432	4998	5292	5375	7972	7972	7972
	OHL Input Shaft	-	-	-	-	-	-	(A)	838	872	(A)	946	985	(A)	1378	1582
	OHL Output Shaft (B)	-	-	-	-	-	-	(A)	2656	2252	(A)	2656	2252	(A)	2656	2252
5.94	Output RPM	-	-	-	581	295	195	581	295	195	581	295	195	581	295	195
	Input HP (Max) (C)	-	-	-	20.41	10.35	6.86	27.33	13.86	9.19	53.26	28.61	19.26	87.06	45.45	30.13
	Output Torque, In-Lb	-	-	-	2215	2215	2215	2966	2966	2966	5779	6121	6217	9447	9723	9723
	OHL Input Shaft	-	-	-	(A)	713	742	(A)	843	877	(A)	952	990	(A)	1319	1587
	OHL Output Shaft (B)	-	-	-	(A)	2656	2252	(A)	2656	2252	(A)	2656	2252	(A)	2656	2252
6.96	Output RPM	-	-	-	496	251	167	496	251	167	496	251	167	496	251	167
	Input HP (Max) (C)	-	-	-	20.41	10.35	6.86	27.33	13.86	9.19	50.55	27.15	18.29	77.40	44.49	29.49
	Output Torque, In-Lb	-	-	-	2595	2595	2595	3475	3475	3475	6427	6806	6915	9841	11152	11152
	OHL Input Shaft	-	-	-	(A)	713	742	(A)	843	877	(A)	952	991	(A)	1256	1548
	OHL Output Shaft (B)	-	-	-	(A)	2656	2252	(A)	2656	2252	(A)	2656	2252	(A)	2656	2252
7.59	Output RPM	-	-	-	-	-	-	455	231	153	455	231	153	455	231	153
	Input HP (Max) (C)	-	-	-	-	-	-	27.35	13.87	9.19	56.21	30.18	20.33	64.76	43.15	30.14
	Output Torque, In-Lb	-	-	-	-	-	-	3792	3792	3792	7794	8251	8382	8979	11796	12431
	OHL Input Shaft	-	-	-	-	-	-	(A)	838	872	(A)	946	985	(A)	1403	1582
	OHL Output Shaft (B)	-	-	-	-	-	-	(A)	2252	2954	(A)	2252	2954	(A)	2252	2954
9.26	Output RPM	-	-	-	373	189	125	373	189	125	373	189	125	373	189	125
	Input HP (Max) (C)	-	-	-	20.42	10.36	6.86	27.34	13.87	9.19	53.27	28.62	19.27	56.08	37.37	26.21
	Output Torque, In-Lb	-	-	-	3454	3454	3454	4625	4625	4625	9011	9544	9694	9486	12464	13185
	OHL Input Shaft	-	-	-	(A)	713	742	(A)	843	877	(A)	952	991	(A)	1418	1587
	OHL Output Shaft (B)	-	-	-	2656	2252	2954	2656	2252	2954	2656	2252	2954	2656	2252	2954
10.85	Output RPM	-	-	-	318	161	107	318	161	107	318	161	107	318	161	107
	Input HP (Max) (C)	-	-	-	20.42	10.36	6.87	27.34	13.87	9.19	50.28	27.16	18.29	50.28	33.51	23.50
	Output Torque, In-Lb	-	-	-	4047	4047	4047	5419	5419	5419	9966	10613	10784	9966	13095	13852
	OHL Input Shaft	-	-	-	(A)	711	741	(A)	843	877	(A)	952	991	(A)	1420	1577
	OHL Output Shaft (B)	-	-	-	2656	2252	2954	2656	2252	2954	2656	2252	2954	2656	2252	2954
12.75	Output RPM	271	137	91	271	137	91	271	137	91	271	137	91	271	137	91
	Input HP (Max) (C)	9.87	5.00	3.32	20.42	10.36	6.87	27.35	13.87	9.20	45.20	25.55	17.21	45.20	30.13	21.12
	Output Torque, In-Lb	2298	2298	2298	4757	4757	4757	6370	6370	6370	10529	11734	11924	10529	13834	14631
	OHL Input Shaft	(A)	453	471	(A)	709	738	(A)	841	876	(A)	950	989	(A)	1419	1580
	OHL Output Shaft (B)	2656	2954	3437	2656	2954	3437	2656	2954	3437	2656	2954	3437	2656	2954	3437
14.63	Output RPM	236	120	79	236	120	79	236	120	79	236	120	79	236	120	79
	Input HP (Max) (C)	9.87	5.00	3.32	20.42	10.36	6.87	27.35	13.87	9.19	41.40	24.09	16.22	41.40	27.60	18.71
	Output Torque, In-Lb	2637	2637	2637	5458	5458	5458	7309	7309	7309	11064	12691	12895	11064	14540	14870
	OHL Input Shaft	(A)	454	473	(A)	710	740	(A)	838	873	(A)	948	987	(A)	1416	1586
	OHL Output Shaft (B)	2252	2954	3437	2252	2954	3437	2252	2954	3437	2252	2954	3437	2252	2954	3437

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

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IN-LINE HELICAL REDUCER (ILH)

**SIZE: H_882
60 HZ**

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

NEMA MOTOR FRAME IEC MOTOR FRAME SEPARATE GROUP		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
17.27	Output RPM	200	101	67	200	101	67	200	101	67	200	101	67	200	101	67
	Input HP (Max) (C)	9.86	5.00	3.32	20.42	10.36	6.87	27.34	13.87	9.19	37.25	22.29	15.01	37.25	23.91	15.85
	Output Torque, In-Lb	3112	3112	3112	6442	6442	6442	8626	8626	8626	11752	13865	14087	11752	14870	14870
	OHL Input Shaft OHL Output Shaft (B)	(A) 452 2252	470 2954	470 3437	(A) 2252 3437	707 2954	737 3437	(A) 2252 3437	839 2954	874 3437	(A) 2252 3437	946 2954	985 3437	(A) 2252 3437	1426 2954	1591 3437
18.72	Output RPM	184	93	62	184	93	62	184	93	62	184	93	62	184	93	62
	Input HP (Max) (C)	9.86	5.00	3.32	20.42	10.36	6.87	27.34	13.87	9.19	34.92	21.46	14.45	34.92	22.06	14.62
	Output Torque, In-Lb	3373	3373	3373	6983	6983	6983	9350	9350	9350	11941	14468	14701	11942	14870	14870
	OHL Input Shaft OHL Output Shaft (B)	(A) 456 2252	474 3437	474 3437	(A) 2252 3437	638 3437	741 3437	(A) 2252 3437	757 3437	872 3437	(A) 2252 3437	956 3437	995 3437	(A) 2252 3437	1437 2252	1593 3437
20.81	Output RPM	166	84	56	166	84	56	166	84	56	166	84	56	166	84	56
	Input HP (Max) (C)	9.86	5.00	3.32	20.42	10.36	6.87	26.04	13.87	9.19	32.10	19.84	13.15	32.10	19.84	13.15
	Output Torque, In-Lb	3750	3750	3750	7764	7764	7764	9899	10396	10396	12202	14870	14869	12202	14870	14870
	OHL Input Shaft OHL Output Shaft (B)	(A) 456 2252	474 3437	474 4471	(A) 2252 3437	522 3437	739 4471	(A) 2252 3437	587 4471	876 4471	(A) 2252 3437	956 3437	987 4471	(A) 2252 3437	1447 2252	1594 4471
22.61	Output RPM	153	77	51	153	77	51	153	77	51	153	77	51	153	77	51
	Input HP (Max) (C)	9.86	5.00	3.32	20.14	10.36	6.86	25.02	13.39	9.04	30.07	18.26	12.10	30.07	18.26	12.10
	Output Torque, In-Lb	4074	4074	4074	8319	8433	8433	10333	10901	11110	12421	14870	14869	12422	14870	14870
	OHL Input Shaft OHL Output Shaft (B)	(A) 455 2954	474 3437	474 4471	(A) 2954 3437	408 3437	709 4471	(A) 2954 3437	519 4471	874 4471	(A) 2954 3437	949 3437	989 4471	(A) 2954 3437	1454 2954	1595 4471
25.01	Output RPM	138	70	46	138	70	46	138	70	46	138	70	46	138	70	46
	Input HP (Max) (C)	9.86	5.00	3.32	18.62	10.13	6.86	23.65	12.75	8.62	27.80	16.51	10.94	27.80	16.51	10.94
	Output Torque, In-Lb	4506	4506	4506	8507	9122	9328	10803	11487	11707	12700	14870	14869	12700	14870	14870
	OHL Input Shaft OHL Output Shaft (B)	(A) 454 2954	473 3437	473 4471	(A) 2954 3437	402 3437	674 4471	(A) 2954 3437	444 4471	795 4471	(A) 2954 3437	951 3437	987 4471	(A) 2954 3437	1462 2954	1596 4471
26.85	Output RPM	128	65	43	128	65	43	128	65	43	128	65	43	128	65	43
	Input HP (Max) (C)	9.63	5.00	3.32	17.60	9.57	6.58	22.28	12.35	8.34	26.29	15.38	10.19	26.29	15.38	10.19
	Output Torque, In-Lb	4725	4838	4837	8631	9257	9606	10931	11940	12169	12896	14870	14869	12897	14870	14870
	OHL Input Shaft OHL Output Shaft (B)	(A) 453 2954	472 3437	472 4471	(A) 2954 3437	396 3437	666 4471	(A) 2954 3437	381 4471	733 4471	(A) 2954 3437	948 3437	989 4471	(A) 2954 3437	1467 2954	1596 4471
28.93	Output RPM	119	60	40	119	60	40	119	60	40	119	60	40	-	-	-
	Input HP (Max) (C)	9.26	4.83	3.32	16.57	9.01	6.20	20.93	11.94	8.06	24.84	14.27	9.46	-	-	-
	Output Torque, In-Lb	4894	5036	5213	8756	9391	9743	11060	12438	12677	13127	14870	14869	-	-	-
	OHL Input Shaft OHL Output Shaft (B)	(A) 452 2954	470 4471	470 4856	(A) 2954 3437	391 4471	660 4856	(A) 2954 3437	312 4471	664 4856	(A) 2954 3437	951 4471	991 4856	-	-	-
31.32	Output RPM	110	56	37	110	56	37	110	56	37	110	56	37	-	-	-
	Input HP (Max) (C)	8.87	4.63	3.20	15.52	8.45	5.81	19.55	11.55	7.80	23.37	13.18	8.74	-	-	-
	Output Torque, In-Lb	5073	5221	5443	8882	9526	9882	11183	13027	13277	13370	14870	14869	-	-	-
	OHL Input Shaft OHL Output Shaft (B)	(A) 452 2954	472 4471	472 4856	(A) 2954 3437	385 4471	653 4856	(A) 2954 3437	227 4471	577 4856	(A) 2954 3437	953 4471	992 4856	-	-	-

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

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SELECTION



IN-LINE HELICAL REDUCER (ILH)

SIZE: H_882
60 HZ

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

NEMA MOTOR FRAME IEC MOTOR FRAME SEPARATE GROUP		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
34.07	Output RPM	101	51	34	101	51	34	101	51	34	101	51	34	-	-	-
	Input HP (Max) (C)	8.46	4.42	3.05	14.47	7.87	5.42	18.17	10.96	7.55	21.92	12.12	8.03	-	-	-
	Output Torque, In-Lb	5267	5421	5651	9007	9661	10025	11310	13450	13974	13640	14870	14869	-	-	-
	OHL Input Shaft (A)	454	472	(A)	379	650	(A)	176	474	(A)	954	994	-	-	-	-
	OHL Output Shaft (B)	2954	4471	4856	2954	4471	4856	2954	4471	4856	2954	4471	4856	-	-	-
37.27	Output RPM	93	47	31	93	47	31	93	47	31	93	47	31	-	-	-
	Input HP (Max) (C)	8.05	4.20	2.90	13.42	7.30	5.02	16.80	10.16	6.99	18.13	11.08	6.75	-	-	-
	Output Torque, In-Lb	5479	5640	5880	9134	9800	10168	11435	13638	14147	12341	14870	13671	-	-	-
	OHL Input Shaft (A)	454	471	(A)	373	643	(A)	168	469	(A)	955	997	-	-	-	-
	OHL Output Shaft (B)	3437	4471	4856	3437	4471	4856	3437	4471	4856	3437	4471	4856	-	-	-
41.90	Output RPM	82	42	28	82	42	28	82	42	28	-	-	-	-	-	-
	Input HP (Max) (C)	7.54	3.94	2.72	12.13	6.60	4.54	15.14	9.19	5.83	-	-	-	-	-	-
	Output Torque, In-Lb	5771	5941	6195	9286	9964	10336	11589	13862	13268	-	-	-	-	-	-
	OHL Input Shaft (A)	453	471	(A)	369	641	(A)	160	665	(A)	954	997	-	-	-	-
	OHL Output Shaft (B)	3437	4471	4856	3437	4471	4856	3437	4471	4856	-	-	-	-	-	-
45.76	Output RPM	75	38	25	75	38	25	75	38	25	-	-	-	-	-	-
	Input HP (Max) (C)	7.19	3.75	2.59	11.24	6.11	4.20	13.99	8.50	4.35	-	-	-	-	-	-
	Output Torque, In-Lb	6009	6187	6448	9392	10074	10454	11695	14015	10819	-	-	-	-	-	-
	OHL Input Shaft (A)	453	474	(A)	364	743	(A)	157	876	(A)	954	997	-	-	-	-
	OHL Output Shaft (B)	3437	4856	4856	3437	4856	4856	3437	4856	4856	-	-	-	-	-	-
50.73	Output RPM	68	34	23	68	34	23	-	-	-	-	-	-	-	-	-
	Input HP (Max) (C)	6.75	3.53	2.44	9.01	5.58	3.35	-	-	-	-	-	-	-	-	-
	Output Torque, In-Lb	6254	6441	6716	8352	10198	9230	-	-	-	-	-	-	-	-	-
	OHL Input Shaft (A)	456	474	(A)	364	(A)	(A)	-	-	-	-	-	-	-	-	-
	OHL Output Shaft (B)	3437	4856	4856	3437	4856	4856	-	-	-	-	-	-	-	-	-

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

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IN-LINE HELICAL REDUCER (ILH)

SIZE: H_883
60 HZ

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

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
34.14	Output RPM	-	-	-	-	-	-	-	-	-	101	51	34	101	51	34	101	51	34
	Input HP (Max) (C)	-	-	-	-	-	-	-	-	-	17.70	10.36	6.87	17.70	12.09	8.02	17.70	12.09	8.02
	Output Torque, In-Lb	-	-	-	-	-	-	-	-	-	11041	12734	12734	11041	14870	14870	11041	14870	14870
	OHL Input Shaft OHL Output Shaft (B)	-	-	-	-	-	-	-	-	-	(A) 713 2954	742 4471	742 4856	(A) 839 2954	873 4471	873 4856	(A) 958 2954	997 4471	997 4856
41.19	Output RPM	-	-	-	-	-	-	-	-	-	84	42	28	84	42	28	84	42	28
	Input HP (Max) (C)	-	-	-	-	-	-	-	-	-	15.47	10.02	6.64	15.47	10.02	6.64	15.47	10.02	6.64
	Output Torque, In-Lb	-	-	-	-	-	-	-	-	-	11639	14870	14870	11639	14870	14870	11639	14870	14870
	OHL Input Shaft OHL Output Shaft (B)	-	-	-	-	-	-	-	-	-	(A) 713 3437	742 4471	742 4856	(A) 839 3437	873 4471	873 4856	(A) 958 3437	997 4471	997 4856
49.42	Output RPM	-	-	-	70	35	23	70	35	23	70	35	23	70	35	23	70	35	23
	Input HP (Max) (C)	-	-	-	4.85	2.46	1.63	9.86	5.00	3.32	13.52	8.35	5.54	13.52	8.35	5.54	13.52	8.35	5.54
	Output Torque, In-Lb	-	-	-	4374	4374	4374	8905	8905	8905	12204	14870	14870	12204	14870	14870	12204	14870	14870
	OHL Input Shaft OHL Output Shaft (B)	-	-	-	(A) 346 4856	360 4856	360 4856	(A) 454 3437	473 4856	473 4856	(A) 714 3437	743 4856	743 4856	(A) 839 3437	876 4856	876 4856	(A) 959 3437	998 4856	998 4856
57.93	Output RPM	-	-	-	60	30	20	60	30	20	60	30	20	60	30	20	60	30	20
	Input HP (Max) (C)	-	-	-	4.85	2.46	1.63	9.86	5.00	3.32	12.04	7.13	4.72	12.04	7.13	4.72	12.04	7.13	4.72
	Output Torque, In-Lb	-	-	-	5128	5128	5128	10439	10439	10439	12746	14870	14870	12746	14870	14870	12746	14870	14870
	OHL Input Shaft OHL Output Shaft (B)	-	-	-	(A) 346 4471	360 4856	360 4856	(A) 452 4471	471 4856	471 4856	(A) 709 4471	739 4856	739 4856	(A) 839 4471	878 4856	878 4856	(A) 959 4471	998 4856	998 4856
69.05	Output RPM	-	-	-	50	25	17	50	25	17	50	25	17	50	25	17	50	25	17
	Input HP (Max) (C)	-	-	-	4.84	2.46	1.63	9.86	5.00	3.32	10.62	5.98	3.96	10.62	5.98	3.96	10.62	5.98	3.96
	Output Torque, In-Lb	-	-	-	6111	6111	6111	12441	12441	12441	13396	14870	14870	13396	14870	14870	13396	14870	14870
	OHL Input Shaft OHL Output Shaft (B)	-	-	-	(A) 346 4471	360 4856	360 4856	(A) 456 4471	474 4856	474 4856	(A) 709 4471	739 4856	739 4856	(A) 839 4471	879 4856	879 4856	(A) 959 4471	998 4856	998 4856
74.88	Output RPM	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	5.00	3.32	10.03	5.51	3.66	10.03	5.51	3.65	-	-	-
	Output Torque, In-Lb	5444	5444	5444	6628	6628	6628	13493	13493	13493	14870	14870	13715	14870	14870	14870	-	-	-
	OHL Input Shaft OHL Output Shaft (B)	(A) 219 4471	226 4856	(A) 346 4856	360 4471	360 4856	360 4856	(A) 456 4471	474 4856	474 4856	(A) 711 4471	740 4856	740 4856	(A) 839 4471	879 4856	879 4856	(A) 959 4471	-	-
83.58	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	4.85	2.46	1.63	9.28	4.94	3.27	9.28	4.94	3.27	9.28	4.94	3.27	-	-	-
	Output Torque, In-Lb	6077	6077	6077	7398	7398	7398	14166	14870	14870	14166	14870	14870	14166	14870	14870	-	-	-
	OHL Input Shaft OHL Output Shaft (B)	(A) 219 4471	228 4856	(A) 346 4856	360 4471	360 4856	360 4856	(A) 455 4471	474 4856	474 4856	(A) 712 4471	741 4856	741 4856	(A) 839 4471	879 4856	879 4856	(A) 959 4471	-	-
90.53	Output RPM	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	8.77	4.56	3.02	8.77	4.56	3.02	-	-	-	-	-	-
	Output Torque, In-Lb	6582	6582	6582	8013	8013	8013	14505	14870	14870	14505	14870	14870	-	-	-	-	-	-
	OHL Input Shaft OHL Output Shaft (B)	(A) 218 4856	227 4856	(A) 346 4856	360 4856	360 4856	360 4856	(A) 456 4856	474 4856	474 4856	(A) 713 4856	742 4856	742 4856	-	-	-	-	-	-

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

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IN-LINE HELICAL REDUCER (ILH)

SIZE: H_883
60 HZ

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

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
102.61	Output RPM	34	17	11	34	17	11	34	17	11	34	17	11	-	-	-	-	-	-
	Input HP (Max) (C)	3.98	2.02	1.34	4.84	2.46	1.63	7.93	4.02	2.67	7.93	4.02	2.67	-	-	-	-	-	-
	Output Torque, In-Lb	7460	7460	7460	9082	9082	9082	14870	14870	14870	14870	14870	14870	-	-	-	-	-	-
	OHL Input Shaft OHL Output Shaft (B)	(A) 4856	217 4856	226 4856	(A) 4856	346 4856	360 4856	(A) 4856	456 4856	475 4856	(A) 4856	713 4856	743 4856	- 4856	- 4856	- 4856	- 4856	- 4856	- 4856
110.54	Output RPM	31	16	10	31	16	10	31	16	10	31	16	10	-	-	-	-	-	-
	Input HP (Max) (C)	3.88	2.02	1.34	4.84	2.46	1.63	7.36	3.74	2.48	7.36	3.74	2.48	-	-	-	-	-	-
	Output Torque, In-Lb	7845	8036	8036	9783	9783	9783	14870	14870	14870	14870	14870	14870	-	-	-	-	-	-
	OHL Input Shaft OHL Output Shaft (B)	(A) 4856	218 4856	227 4856	(A) 4856	346 4856	359 4856	(A) 4856	457 4856	475 4856	(A) 4856	714 4856	743 4856	- 4856	- 4856	- 4856	- 4856	- 4856	- 4856
119.52	Output RPM	29	15	10	29	15	10	29	15	10	29	15	10	-	-	-	-	-	-
	Input HP (Max) (C)	3.66	1.99	1.34	4.85	2.46	1.63	6.81	3.45	2.29	6.81	3.45	2.29	-	-	-	-	-	-
	Output Torque, In-Lb	7983	8551	8690	10579	10579	10579	14870	14870	14870	14870	14870	14870	-	-	-	-	-	-
	OHL Input Shaft OHL Output Shaft (B)	(A) 4856	217 4856	226 4856	(A) 4856	345 4856	359 4856	(A) 4856	457 4856	475 4856	(A) 4856	714 4856	743 4856	- 4856	- 4856	- 4856	- 4856	- 4856	- 4856
129.79	Output RPM	27	13	9	27	13	9	27	13	9	27	13	9	-	-	-	-	-	-
	Input HP (Max) (C)	3.43	1.86	1.28	4.84	2.46	1.63	6.27	3.18	2.11	6.27	3.18	2.11	-	-	-	-	-	-
	Output Torque, In-Lb	8125	8702	9019	11487	11487	11487	14870	14870	14870	14870	14870	14870	-	-	-	-	-	-
	OHL Input Shaft OHL Output Shaft (B)	(A) 4856	218 4856	226 4856	(A) 4856	345 4856	359 4856	(A) 4856	453 4856	471 4856	(A) 4856	714 4856	743 4856	- 4856	- 4856	- 4856	- 4856	- 4856	- 4856
143.50	Output RPM	24	12	8	24	12	8	24	12	8	24	12	8	-	-	-	-	-	-
	Input HP (Max) (C)	3.16	1.72	1.18	4.84	2.46	1.63	5.67	2.88	1.91	5.67	2.88	1.91	-	-	-	-	-	-
	Output Torque, In-Lb	8286	8876	9200	12701	12701	12701	14870	14870	14870	14870	14870	14870	-	-	-	-	-	-
	OHL Input Shaft OHL Output Shaft (B)	(A) 4856	218 4856	226 4856	(A) 4856	344 4856	358 4856	(A) 4856	454 4856	471 4856	(A) 4856	714 4856	743 4856	- 4856	- 4856	- 4856	- 4856	- 4856	- 4856
155.46	Output RPM	22	11	7	22	11	7	22	11	7	22	11	7	-	-	-	-	-	-
	Input HP (Max) (C)	2.96	1.61	1.11	4.84	2.46	1.63	5.24	2.66	1.76	5.24	2.66	1.76	-	-	-	-	-	-
	Output Torque, In-Lb	8408	9007	9337	13759	13759	13759	14870	14870	14870	14870	14870	14870	-	-	-	-	-	-
	OHL Input Shaft OHL Output Shaft (B)	(A) 4856	218 4856	226 4856	(A) 4856	344 4856	358 4856	(A) 4856	453 4856	472 4856	(A) 4856	714 4856	744 4856	- 4856	- 4856	- 4856	- 4856	- 4856	- 4856
175.18	Output RPM	20	10	7	20	10	7	20	10	7	20	10	7	-	-	-	-	-	-
	Input HP (Max) (C)	2.68	1.46	1.00	4.65	2.36	1.56	4.65	2.36	1.56	4.65	2.36	1.56	-	-	-	-	-	-
	Output Torque, In-Lb	8583	9190	9525	14870	14870	14870	14870	14870	14870	14870	14870	14870	-	-	-	-	-	-
	OHL Input Shaft OHL Output Shaft (B)	(A) 4856	218 4856	227 4856	(A) 4856	343 4856	357 4856	(A) 4856	455 4856	473 4856	(A) 4856	715 4856	744 4856	- 4856	- 4856	- 4856	- 4856	- 4856	- 4856
191.80	Output RPM	18	9	6	18	9	6	18	9	6	-	-	-	-	-	-	-	-	-
	Input HP (Max) (C)	2.48	1.35	0.93	4.24	2.15	1.43	4.24	2.15	1.43	-	-	-	-	-	-	-	-	-
	Output Torque, In-Lb	8701	9320	9659	14870	14870	14870	14870	14870	14870	-	-	-	-	-	-	-	-	-
	OHL Input Shaft OHL Output Shaft (B)	(A) 4856	218 4856	227 4856	(A) 4856	344 4856	358 4856	(A) 4856	455 4856	474 4856	- 4856	- 4856	- 4856	- 4856	- 4856	- 4856	- 4856	- 4856	- 4856

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

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SELECTION



QUANTS

QUANTS GOLD

ILH

RHB

MSM

IN-LINE HELICAL REDUCER (ILH)

SIZE: H_883
60 HZ

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

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
213.64	Output RPM	16	8	5	16	8	5	16	8	5	-	-	-	-	-	-	-	-	-
	Input HP (Max) (C)	2.26	1.23	0.84	3.81	1.93	1.28	3.81	1.93	1.28	-	-	-	-	-	-	-	-	-
	Output Torque, In-Lb	8834	9461	9807	14870	14870	14870	14870	14870	14870	-	-	-	-	-	-	-	-	-
	OHL Input Shaft OHL Output Shaft (B)	(A) 219 4856	227 4856	(A) 4856	(A) 345	359	(A) 4856	(A) 456	474	4856	-	-	-	-	-	-	-	-	-
244.29	Output RPM	14	7	5	14	7	5	14	7	5	-	-	-	-	-	-	-	-	
	Input HP (Max) (C)	2.01	1.09	0.75	3.33	1.69	1.12	3.33	1.69	1.12	-	-	-	-	-	-	-	-	
	Output Torque, In-Lb	8985	9623	9974	14870	14870	14870	14870	14870	14870	-	-	-	-	-	-	-	-	
	OHL Input Shaft OHL Output Shaft (B)	(A) 219 4856	227 4856	(A) 4856	(A) 345	359	(A) 4856	(A) 456	475	4856	-	-	-	-	-	-	-	-	
270.90	Output RPM	13	6	4	13	6	4	13	6	4	-	-	-	-	-	-	-	-	
	Input HP (Max) (C)	1.84	1.00	0.69	3.00	1.52	1.01	3.00	1.52	1.01	-	-	-	-	-	-	-	-	
	Output Torque, In-Lb	9091	9735	10091	14870	14870	14870	14870	14870	14870	-	-	-	-	-	-	-	-	
	OHL Input Shaft OHL Output Shaft (B)	(A) 219 4856	228 4856	(A) 4856	(A) 345	359	(A) 4856	(A) 456	475	4856	-	-	-	-	-	-	-	-	
300.41	Output RPM	11	6	4	11	6	4	11	6	4	-	-	-	-	-	-	-	-	
	Input HP (Max) (C)	1.67	0.91	0.62	2.17	1.37	0.81	2.17	1.37	0.81	-	-	-	-	-	-	-	-	
	Output Torque, In-Lb	9186	9840	10199	11903	14870	13169	11903	14870	13169	-	-	-	-	-	-	-	-	
	OHL Input Shaft OHL Output Shaft (B)	(A) 219 4856	228 4856	(A) 4856	(A) 346	360	(A) 4856	(A) 457	476	4856	-	-	-	-	-	-	-	-	

(A) (B) (C) - See Footnotes page on inside back cover
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IN-LINE HELICAL REDUCER (ILH)

SIZE: H_1082

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

60 HZ

DOUBLE REDUCTION

NEMA MOTOR FRAME IEC MOTOR FRAME SEPARATE GROUP		---			210TC			250TC			280TC		
		112D 112			132D 132			160D 160			180D/200D 180		
RATIO	OUTPUT RATING DATA	3450	1750	1160	3450	1750	1160	3450	1750	1160	3450	1750	1160
5.51	Output RPM	-	-	-	626	318	211	626	318	211	626	318	211
	Input HP (Max) (C)	-	-	-	64.51	32.72	21.69	89.59	45.44	30.12	139.62	75.54	50.76
	Output Torque, In-Lb	-	-	-	6493	6493	6493	9018	9018	9018	14054	14990	15195
	OHL Input Shaft	-	-	-	(A)	949	988	(A)	1473	1584	(A)	1695	2041
	OHL Output Shaft (B)	-	-	-	(A)	3312	3705	(A)	3312	3705	(A)	3312	3705
6.41	Output RPM	-	-	-	538	273	181	538	273	181	538	273	181
	Input HP (Max) (C)	-	-	-	64.52	32.73	21.69	89.60	45.45	30.13	124.69	67.46	45.32
	Output Torque, In-Lb	-	-	-	7555	7555	7555	10492	10492	10492	14601	15573	15785
	OHL Input Shaft	-	-	-	(A)	948	987	(A)	1440	1577	(A)	1714	2062
	OHL Output Shaft (B)	-	-	-	(A)	3312	3705	(A)	3312	3705	(A)	3312	3705
7.10	Output RPM	486	246	163	486	246	163	486	246	163	486	246	163
	Input HP (Max) (C)	27.35	13.87	9.19	64.55	32.75	21.71	89.65	45.47	30.14	115.29	62.38	41.35
	Output Torque, In-Lb	3547	3547	3547	8373	8373	8373	11628	11628	11628	14954	15950	15950
	OHL Input Shaft	(A)	838	873	(A)	943	984	(A)	1412	1585	(A)	1724	2081
	OHL Output Shaft (B)	(A)	3705	3705	(A)	3705	3705	(A)	3705	3705	(A)	3705	3705
8.27	Output RPM	-	-	-	417	212	140	417	212	140	417	212	140
	Input HP (Max) (C)	-	-	-	64.56	32.75	21.71	89.66	45.48	30.15	146.32	92.12	61.06
	Output Torque, In-Lb	-	-	-	9753	9753	9753	13545	13545	13545	22105	27438	27438
	OHL Input Shaft	-	-	-	(A)	949	988	(A)	1473	1584	(A)	1518	1891
	OHL Output Shaft (B)	-	-	-	(A)	3705	4037	(A)	3705	4037	(A)	3705	4037
9.62	Output RPM	-	-	-	359	182	121	359	182	121	359	182	121
	Input HP (Max) (C)	-	-	-	64.57	32.75	21.71	89.67	45.49	30.15	132.90	79.20	52.50
	Output Torque, In-Lb	-	-	-	11348	11348	11348	15759	15759	15759	23356	27438	27438
	OHL Input Shaft	-	-	-	(A)	948	987	(A)	1439	1577	(A)	1588	1945
	OHL Output Shaft (B)	-	-	-	3312	3705	4037	3312	3705	4037	3312	3705	4037
10.67	Output RPM	323	164	109	323	164	109	323	164	109	323	164	109
	Input HP (Max) (C)	27.33	13.86	9.19	64.52	32.73	21.69	89.61	45.45	30.13	124.28	71.40	47.33
	Output Torque, In-Lb	5327	5327	5327	12577	12577	12577	17466	17466	17466	24224	27438	27438
	OHL Input Shaft	(A)	838	873	(A)	943	984	(A)	1413	1585	(A)	1621	1978
	OHL Output Shaft (B)	3312	3705	4037	3312	3705	4037	3312	3705	4037	3312	3705	4037
12.68	Output RPM	272	138	91	272	138	91	272	138	91	272	138	91
	Input HP (Max) (C)	27.33	13.86	9.19	64.36	32.73	21.69	84.97	45.45	30.13	111.07	60.08	39.83
	Output Torque, In-Lb	6331	6331	6331	14908	14945	14945	19682	20755	20755	25729	27438	27438
	OHL Input Shaft	(A)	843	869	(A)	949	988	(A)	1360	1578	(A)	1668	2024
	OHL Output Shaft (B)	3312	4037	4288	3312	4037	4288	3312	4037	4288	3312	4037	4288
14.63	Output RPM	236	120	79	236	120	79	236	120	79	236	120	79
	Input HP (Max) (C)	27.34	13.87	9.19	62.19	32.74	21.70	79.92	43.55	28.97	100.19	52.08	34.52
	Output Torque, In-Lb	7306	7306	7306	16620	17248	17248	21360	22945	23024	26776	27438	27438
	OHL Input Shaft	(A)	843	877	(A)	951	983	(A)	1332	1588	(A)	1702	2060
	OHL Output Shaft (B)	3705	4037	4288	3705	4037	4288	3705	4037	4288	3705	4037	4288

(A) (B) (C) - See Footnotes page on inside back cover
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IN-LINE HELICAL REDUCER (ILH)

**SIZE: H_1082
60 HZ**

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

NEMA MOTOR FRAME IEC MOTOR FRAME SEPARATE GROUP		--- 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
17.19	Output RPM	201	102	67	201	102	67	201	102	67	201	102	67
	Input HP (Max) (C)	27.34	13.87	9.19	59.33	31.85	21.45	74.14	40.41	26.87	87.37	44.32	29.38
	Output Torque, In-Lb	8585	8585	8585	18631	19720	20034	23282	25015	25098	27438	27438	27438
	OHL Input Shaft OHL Output Shaft (B)	(A) 3705 4037	842 4037	877 4288	(A) 3705 4037	951 4037	989 4288	(A) 3705 4037	1266 4037	1585 4288	(A) 3705 4037	1734 4037	2092 4288
19.48	Output RPM	177	90	60	177	90	60	177	90	60	177	90	60
	Input HP (Max) (C)	27.34	13.87	9.19	56.88	30.54	20.57	69.86	38.07	25.32	77.10	39.11	25.92
	Output Torque, In-Lb	9728	9728	9728	20243	21426	21771	24860	26711	26801	27438	27438	27438
	OHL Input Shaft OHL Output Shaft (B)	(A) 3705 4288	839 4288	874 5138	(A) 3705 4288	935 4288	988 5138	(A) 3705 4288	1199 4288	1567 5138	(A) 3705 4288	1756 4288	2113 5138
22.86	Output RPM	151	77	51	151	77	51	151	77	51	151	77	51
	Input HP (Max) (C)	27.34	13.87	9.19	51.23	28.78	19.38	64.94	33.33	22.09	65.70	33.33	22.09
	Output Torque, In-Lb	11416	11416	11416	21395	23697	24068	27119	27438	27438	27438	27438	27438
	OHL Input Shaft OHL Output Shaft (B)	(A) 4037 4288	840 4288	869 5138	(A) 4037 4288	646 4288	983 5138	(A) 4037 4288	1206 4288	1575 5138	(A) 4037 4288	1779 4288	2137 5138
24.94	Output RPM	138	70	47	138	70	47	138	70	47	138	70	47
	Input HP (Max) (C)	27.17	13.87	9.19	47.69	27.82	18.74	60.22	30.55	20.25	60.22	30.55	20.25
	Output Torque, In-Lb	12381	12454	12454	21728	24992	25389	27438	27438	27438	27438	27438	27438
	OHL Input Shaft OHL Output Shaft (B)	(A) 4037 4288	756 4288	873 5138	(A) 4037 4288	480 4288	991 5138	(A) 4037 4288	1235 4288	1584 5138	(A) 4037 4288	1791 4288	2147 5138
27.20	Output RPM	127	64	43	127	64	43	127	64	43	127	64	43
	Input HP (Max) (C)	26.07	13.87	9.19	44.37	26.98	18.17	55.13	27.96	18.54	55.13	27.96	18.54
	Output Torque, In-Lb	12955	13585	13585	22049	26426	26846	27394	27394	27394	27394	27394	27394
	OHL Input Shaft OHL Output Shaft (B)	(A) 4037 4288	611 4288	869 5138	(A) 4037 4288	286 4288	944 5138	(A) 4037 4288	1262 4288	1580 5138	(A) 4037 4288	1802 4288	2159 5138
29.35	Output RPM	118	60	40	118	60	40	118	60	40	118	60	40
	Input HP (Max) (C)	25.11	13.44	9.08	41.60	25.65	17.21	51.17	25.96	17.21	51.17	25.96	17.21
	Output Torque, In-Lb	13463	14205	14477	22307	27110	27438	27438	27438	27438	27438	27438	27438
	OHL Input Shaft OHL Output Shaft (B)	(A) 4037 5138	544 5138	876 5138	(A) 4037 5138	221 5138	896 5138	(A) 4037 5138	1281 5138	1583 5138	(A) 4037 5138	1809 5138	2166 5138
32.81	Output RPM	105	53	35	105	53	35	105	53	35	-	-	-
	Input HP (Max) (C)	23.72	12.70	8.58	37.81	23.22	15.39	45.78	23.22	15.39	-	-	-
	Output Torque, In-Lb	14219	15004	15292	22664	27437	27437	27437	27437	27437	-	-	-
	OHL Input Shaft OHL Output Shaft (B)	(A) 4037 5138	459 5138	813 6261	(A) 4037 5138	240 5138	975 6261	(A) 4037 5138	1307 5138	1580 6261	-	-	-
35.14	Output RPM	98	50	33	98	50	33	98	50	33	-	-	-
	Input HP (Max) (C)	22.37	12.30	8.31	35.62	21.68	14.37	42.74	21.68	14.37	-	-	-
	Output Torque, In-Lb	14358	15560	15858	22869	27438	27438	27438	27438	27438	-	-	-
	OHL Input Shaft OHL Output Shaft (B)	(A) 4288 5138	399 5138	750 6261	(A) 4288 5138	283 5138	987 6261	(A) 4288 5138	1323 5138	1583 6261	-	-	-

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

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SELECTION



IN-LINE HELICAL REDUCER (ILH)

SIZE: H_1082
60 HZ

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

NEMA MOTOR FRAME IEC MOTOR FRAME SEPARATE GROUP		---			210TC			250TC			280TC		
		112D			132D			160D			180D/200D		
		112			132			160			180		
RATIO	OUTPUT RATING DATA	3450	1750	1160	3450	1750	1160	3450	1750	1160	3450	1750	1160
37.79	Output RPM	91	46	31	91	46	31	-	-	-	-	-	-
	Input HP (Max) (C)	20.99	11.88	8.03	33.43	20.16	13.36	-	-	-	-	-	-
	Output Torque, In-Lb	14489	16170	16481	23081	27438	27438	-	-	-	-	-	-
	OHL Input Shaft (A)		330	680	(A)	325	989	-	-	-	-	-	-
	OHL Output Shaft (B)	4288	5138	6261	4288	5138	6261	-	-	-	-	-	-
40.82	Output RPM	85	43	28	85	43	28	-	-	-	-	-	-
	Input HP (Max) (C)	19.61	11.50	7.77	31.23	18.66	12.37	-	-	-	-	-	-
	Output Torque, In-Lb	14626	16900	17224	23286	27438	27438	-	-	-	-	-	-
	OHL Input Shaft (A)		248	594	(A)	368	991	-	-	-	-	-	-
	OHL Output Shaft (B)	4288	5138	6261	4288	5138	6261	-	-	-	-	-	-
44.31	Output RPM	78	39	26	78	39	26	-	-	-	-	-	-
	Input HP (Max) (C)	18.24	11.12	7.51	29.03	17.19	11.40	-	-	-	-	-	-
	Output Torque, In-Lb	14761	17748	18089	23497	27438	27438	-	-	-	-	-	-
	OHL Input Shaft (A)		147	496	(A)	409	993	-	-	-	-	-	-
	OHL Output Shaft (B)	4288	6261	6261	4288	6261	6261	-	-	-	-	-	-
48.38	Output RPM	71	36	24	71	36	24	-	-	-	-	-	-
	Input HP (Max) (C)	16.86	10.36	7.12	24.98	15.75	9.28	-	-	-	-	-	-
	Output Torque, In-Lb	14897	18052	18727	22080	27438	24389	-	-	-	-	-	-
	OHL Input Shaft (A)		126	428	(A)	446	990	-	-	-	-	-	-
	OHL Output Shaft (B)	4288	6261	7343	4288	6261	7343	-	-	-	-	-	-

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

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IN-LINE HELICAL REDUCER (ILH)

SIZE: H_1083

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

60 HZ

DOUBLE REDUCTION

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
42.61	Output RPM	-	-	-	-	-	-	-	-	-	81	41	27	81	41	27	81	41	27
	Input HP (Max) (C)	-	-	-	-	-	-	-	-	-	27.34	13.87	9.19	29.23	17.88	11.85	29.23	17.88	11.85
	Output Torque, In-Lb	-	-	-	-	-	-	-	-	-	21283	21283	21283	22749	27438	27438	22749	27438	27438
	OHL Input Shaft	-	-	-	-	-	-	-	-	-	(A) 838	873	(A) 950	990	(A) 1530	1594	(A) 1530	1594	(A) 1530
	OHL Output Shaft (B)	-	-	-	-	-	-	-	-	-	4288	5138	6261	4288	5138	6261	4288	5138	6261
51.97	Output RPM	-	-	-	-	-	-	66	34	22	66	34	22	66	34	22	66	34	22
	Input HP (Max) (C)	-	-	-	-	-	-	20.42	10.36	6.87	25.76	13.87	9.19	25.76	14.66	9.72	25.76	14.66	9.72
	Output Torque, In-Lb	-	-	-	-	-	-	19387	19387	19387	24460	25958	25958	24460	27438	27438	24460	27438	27438
	OHL Input Shaft	-	-	-	-	-	-	(A) 713	742	(A) 843	868	(A) 955	994	(A) 1533	1596	(A) 1533	1596	(A) 1533	
	OHL Output Shaft (B)	-	-	-	-	-	-	4288	6261	7343	4288	6261	7343	4288	6261	7343	4288	6261	7343
60.90	Output RPM	-	-	-	-	-	-	57	29	19	57	29	19	57	29	19	57	29	19
	Input HP (Max) (C)	-	-	-	-	-	-	20.42	10.36	6.87	23.06	12.51	8.29	23.06	12.51	8.29	23.06	12.51	8.29
	Output Torque, In-Lb	-	-	-	-	-	-	22716	22716	22716	25651	27438	27438	25651	27438	27438	25651	27438	27438
	OHL Input Shaft	-	-	-	-	-	-	(A) 713	742	(A) 835	870	(A) 957	996	(A) 1534	1597	(A) 1534	1597	(A) 1534	
	OHL Output Shaft (B)	-	-	-	-	-	-	5138	6261	7343	5138	6261	7343	5138	6261	7343	5138	6261	7343
71.59	Output RPM	48	24	16	48	24	16	48	24	16	48	24	16	48	24	16	-	-	-
	Input HP (Max) (C)	4.84	2.46	1.63	9.86	5.00	3.32	20.42	10.36	6.87	20.59	10.64	7.05	20.59	10.64	7.05	-	-	-
	Output Torque, In-Lb	6336	6336	6336	12899	12899	12899	26703	26703	26703	26927	27438	27438	26927	27438	27438	-	-	-
	OHL Input Shaft	(A) 346	360	(A) 452	470	(A) 711	740	(A) 839	874	(A) 958	997	-	-	-	-	-	-	-	-
	OHL Output Shaft (B)	5138	7343	7343	5138	7343	7343	5138	7343	7343	5138	7343	7343	5138	7343	7343	-	-	-
82.14	Output RPM	42	21	14	42	21	14	42	21	14	42	21	14	42	21	14	-	-	-
	Input HP (Max) (C)	4.84	2.46	1.63	9.86	5.00	3.32	18.29	9.28	6.15	18.29	9.28	6.15	18.29	9.28	6.15	-	-	-
	Output Torque, In-Lb	7270	7270	7270	14799	14799	14799	27438	27438	27438	27438	27438	27438	27438	27438	27438	-	-	-
	OHL Input Shaft	(A) 346	360	(A) 453	472	(A) 712	741	(A) 838	872	(A) 958	997	-	-	-	-	-	-	-	-
	OHL Output Shaft (B)	5138	7343	7343	5138	7343	7343	5138	7343	7343	5138	7343	7343	5138	7343	7343	-	-	-
96.94	Output RPM	36	18	12	36	18	12	36	18	12	36	18	12	36	18	12	-	-	-
	Input HP (Max) (C)	4.85	2.46	1.63	9.86	5.00	3.32	15.49	7.86	5.21	15.49	7.86	5.21	15.49	7.86	5.21	-	-	-
	Output Torque, In-Lb	8580	8580	8580	17467	17467	17467	27438	27438	27438	27438	27438	27438	27438	27438	27438	-	-	-
	OHL Input Shaft	(A) 346	360	(A) 456	474	(A) 713	743	(A) 841	875	(A) 958	998	-	-	-	-	-	-	-	-
	OHL Output Shaft (B)	6261	7343	7343	6261	7343	7343	6261	7343	7343	6261	7343	7343	6261	7343	7343	-	-	-
105.08	Output RPM	33	17	11	33	17	11	33	17	11	33	17	11	33	17	11	-	-	-
	Input HP (Max) (C)	4.84	2.46	1.63	9.86	5.00	3.32	14.29	7.25	4.81	14.29	7.25	4.81	14.29	7.25	4.81	-	-	-
	Output Torque, In-Lb	9300	9300	9300	18933	18933	18933	27438	27438	27438	27438	27438	27438	27438	27438	27438	-	-	-
	OHL Input Shaft	(A) 346	360	(A) 456	474	(A) 714	743	(A) 842	876	(A) 959	998	-	-	-	-	-	-	-	-
	OHL Output Shaft (B)	6261	7343	7343	6261	7343	7343	6261	7343	7343	6261	7343	7343	6261	7343	7343	-	-	-
116.83	Output RPM	30	15	10	30	15	10	30	15	10	30	15	10	30	15	10	-	-	-
	Input HP (Max) (C)	4.84	2.46	1.63	9.86	5.00	3.32	12.86	6.52	4.32	12.86	6.52	4.32	12.86	6.52	4.32	-	-	-
	Output Torque, In-Lb	10340	10340	10340	21050	21050	21050	27438	27438	27438	27438	27438	27438	27438	27438	27438	-	-	-
	OHL Input Shaft	(A) 346	360	(A) 456	474	(A) 714	736	(A) 843	877	(A) 959	998	-	-	-	-	-	-	-	-
	OHL Output Shaft (B)	6261	7343	7343	6261	7343	7343	6261	7343	7343	6261	7343	7343	6261	7343	7343	-	-	-

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

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IN-LINE HELICAL REDUCER (ILH)

SIZE: H_1083
60 HZ

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

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
126.90	Output RPM	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	5.00	3.32	11.84	6.00	3.98	11.84	6.00	3.98	11.84	6.00	3.98	-	-	-
	Output Torque, In-Lb	11232	11232	11232	22865	22865	22865	27438	27438	27438	27438	27438	27438	27438	27438	27438	-	-	-
	OHL Input Shaft OHL Output Shaft (B)	(A) 346 6261	346 7343	360 7343	(A) 455 6261	473 7343	(A) 473 7343	(A) 708 6261	738 7343	(A) 843 7343	878 7343	(A) 959 6261	998 7343	-	-	-	-	-	-
140.37	Output RPM	25	12	8	25	12	8	25	12	8	25	12	8	-	-	-	-	-	-
	Input HP (Max) (C)	4.85	2.46	1.63	9.86	5.00	3.32	10.70	5.43	3.60	10.70	5.43	3.60	-	-	-	-	-	-
	Output Torque, In-Lb	12424	12424	12424	25292	25292	25292	27438	27438	27438	27438	27438	27438	-	-	-	-	-	-
	OHL Input Shaft OHL Output Shaft (B)	(A) 346 7343	346 7343	360 7343	(A) 453 7343	472 7343	(A) 472 7343	(A) 710 7343	736 7343	(A) 844 7343	878 7343	-	-	-	-	-	-	-	-
150.70	Output RPM	23	12	8	23	12	8	23	12	8	-	-	-	-	-	-	-	-	-
	Input HP (Max) (C)	4.84	2.46	1.63	9.63	5.00	3.32	9.97	5.06	3.35	-	-	-	-	-	-	-	-	-
	Output Torque, In-Lb	13338	13338	13338	26520	27153	27153	27438	27438	27438	-	-	-	-	-	-	-	-	-
	OHL Input Shaft OHL Output Shaft (B)	(A) 346 7343	346 7343	360 7343	(A) 454 7343	470 7343	(A) 470 7343	(A) 708 7343	738 7343	(A) 710 7343	738 7343	-	-	-	-	-	-	-	-
162.40	Output RPM	21	11	7	21	11	7	21	11	7	-	-	-	-	-	-	-	-	-
	Input HP (Max) (C)	4.85	2.46	1.63	9.25	4.69	3.11	9.25	4.69	3.11	-	-	-	-	-	-	-	-	-
	Output Torque, In-Lb	14374	14374	14374	27438	27438	27438	27438	27438	27438	-	-	-	-	-	-	-	-	-
	OHL Input Shaft OHL Output Shaft (B)	(A) 346 7343	346 7343	360 7343	(A) 453 7343	471 7343	(A) 471 7343	(A) 710 7343	739 7343	-	-	-	-	-	-	-	-	-	-
175.78	Output RPM	20	10	7	20	10	7	20	10	7	-	-	-	-	-	-	-	-	-
	Input HP (Max) (C)	4.84	2.46	1.63	8.54	4.33	2.87	8.54	4.33	2.87	-	-	-	-	-	-	-	-	-
	Output Torque, In-Lb	15558	15558	15558	27438	27438	27438	27438	27438	27438	-	-	-	-	-	-	-	-	-
	OHL Input Shaft OHL Output Shaft (B)	(A) 345 7343	345 7343	359 7343	(A) 453 7343	470 7343	(A) 470 7343	(A) 711 7343	740 7343	-	-	-	-	-	-	-	-	-	-
191.21	Output RPM	18	9	6	18	9	6	18	9	6	-	-	-	-	-	-	-	-	-
	Input HP (Max) (C)	4.85	2.46	1.63	7.86	3.98	2.64	7.86	3.98	2.64	-	-	-	-	-	-	-	-	-
	Output Torque, In-Lb	16924	16924	16924	27438	27438	27438	27438	27438	27438	-	-	-	-	-	-	-	-	-
	OHL Input Shaft OHL Output Shaft (B)	(A) 345 7343	345 7343	359 7343	(A) 453 7343	470 7343	(A) 470 7343	(A) 712 7343	741 7343	-	-	-	-	-	-	-	-	-	-
209.21	Output RPM	16	8	6	16	8	6	16	8	6	-	-	-	-	-	-	-	-	-
	Input HP (Max) (C)	4.85	2.46	1.63	7.18	3.64	2.41	7.18	3.64	2.41	-	-	-	-	-	-	-	-	-
	Output Torque, In-Lb	18518	18518	18518	27438	27438	27438	27438	27438	27438	-	-	-	-	-	-	-	-	-
	OHL Input Shaft OHL Output Shaft (B)	(A) 345 7343	345 7343	358 7343	(A) 452 7343	474 7343	(A) 474 7343	(A) 712 7343	741 7343	-	-	-	-	-	-	-	-	-	-
235.19	Output RPM	15	7	5	15	7	5	15	7	5	-	-	-	-	-	-	-	-	-
	Input HP (Max) (C)	4.84	2.46	1.63	6.39	3.24	2.15	6.39	3.24	2.15	-	-	-	-	-	-	-	-	-
	Output Torque, In-Lb	20816	20816	20816	27438	27438	27438	27438	27438	27438	-	-	-	-	-	-	-	-	-
	OHL Input Shaft OHL Output Shaft (B)	(A) 343 7343	343 7343	357 7343	(A) 456 7343	474 7343	(A) 474 7343	(A) 713 7343	742 7343	-	-	-	-	-	-	-	-	-	-

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

NOMENCLATURE PAGE ILH-4	STOCK/NON-STOCK PART NUMBERS PAGE ILH-67	DIMENSIONS PAGE ILH-270	THERMAL RATINGS PAGE ILH-335
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SELECTION



IN-LINE HELICAL REDUCER (ILH)

SIZE: H_1083
60 HZ

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

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
256.86	Output RPM	13	7	5	13	7	5	13	7	5	-	-	-	-	-	-	-	-	-
	Input HP (Max) (C)	4.60	2.46	1.63	5.85	2.97	1.97	5.85	2.97	1.97	-	-	-	-	-	-	-	-	-
	Output Torque, In-Lb	21583	22734	22734	27438	27438	27438	27438	27438	27438	-	-	-	-	-	-	-	-	-
	OHL Input Shaft OHL Output Shaft (B)	(A) 7343	343 7343	356 7343	(A) 7343	456 7343	474 7343	(A) 7343	713 7343	742 7343	-	-	-	-	-	-	-	-	-
284.73	Output RPM	12	6	4	12	6	4	12	6	4	-	-	-	-	-	-	-	-	-
	Input HP (Max) (C)	4.31	2.37	1.55	5.28	2.68	1.77	5.28	2.68	1.77	-	-	-	-	-	-	-	-	-
	Output Torque, In-Lb	22424	24314	24048	27438	27438	27438	27438	27438	27438	-	-	-	-	-	-	-	-	-
	OHL Input Shaft OHL Output Shaft (B)	(A) 7343	343 7343	356 7343	(A) 7343	(A) 7343	(A) 7343	(A) 7343	714 7343	743 7343	-	-	-	-	-	-	-	-	-
325.21	Output RPM	11	5	4	11	5	4	-	-	-	-	-	-	-	-	-	-	-	-
	Input HP (Max) (C)	3.94	2.17	1.42	4.62	2.34	1.55	-	-	-	-	-	-	-	-	-	-	-	-
	Output Torque, In-Lb	23398	25439	25099	27438	27438	27438	-	-	-	-	-	-	-	-	-	-	-	-
	OHL Input Shaft OHL Output Shaft (B)	(A) 7343	343 7343	356 7343	(A) 7343	(A) 7343	(A) 7343	-	-	-	-	-	-	-	-	-	-	-	-
359.30	Output RPM	10	5	3	10	5	3	-	-	-	-	-	-	-	-	-	-	-	-
	Input HP (Max) (C)	3.67	2.03	1.32	4.09	2.12	1.41	-	-	-	-	-	-	-	-	-	-	-	-
	Output Torque, In-Lb	24070	26218	25826	26862	27438	27438	-	-	-	-	-	-	-	-	-	-	-	-
	OHL Input Shaft OHL Output Shaft (B)	(A) 7343	343 7343	357 7343	(A) 7343	(A) 7343	(A) 7343	-	-	-	-	-	-	-	-	-	-	-	-

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

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IN-LINE HELICAL REDUCER (ILH)

SIZE: H_1282

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

60 HZ

DOUBLE REDUCTION

NEMA MOTOR FRAME IEC MOTOR FRAME SEPARATE GROUP		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
3.63	Output RPM	-	-	-	950	482	320	950	482	320	950	482	320
	Input HP (Max) (C)	-	-	-	89.54	45.42	30.11	182.39	92.52	61.33	247.66	135.96	89.85
	Output Torque, In-Lb	-	-	-	5938	5938	5938	12095	12095	12095	16423	17774	17720
	OHL Input Shaft	-	-	-	(A)	1523	1586	(A)	1739	2096	(A)	2182	2275
	OHL Output Shaft (B)	-	-	-	(A)	4055	4392	(A)	4055	4392	(A)	4055	4392
4.83	Output RPM	-	-	-	714	362	240	714	362	240	714	362	240
	Input HP (Max) (C)	-	-	-	89.54	45.42	30.11	182.38	92.51	61.32	231.27	126.33	85.91
	Output Torque, In-Lb	-	-	-	7901	7901	7901	16092	16092	16092	20406	21975	22546
	OHL Input Shaft	-	-	-	(A)	1474	1585	(A)	1631	1990	(A)	2136	2266
	OHL Output Shaft (B)	-	-	-	(A)	4392	4886	(A)	4392	4886	(A)	4392	4886
5.59	Output RPM	617	313	208	617	313	208	617	313	208	617	313	208
	Input HP (Max) (C)	59.73	32.07	21.60	89.59	45.45	30.12	182.46	92.55	61.35	211.38	114.62	75.98
	Output Torque, In-Lb	6100	6456	6559	9149	9149	9149	18633	18633	18633	21586	23075	23075
	OHL Input Shaft	(A)	949	987	(A)	1442	1578	(A)	1562	1919	(A)	2149	2279
	OHL Output Shaft (B)	(A)	4392	4886	(A)	4392	4886	(A)	4392	4886	(A)	4392	4886
5.93	Output RPM	-	-	-	582	295	196	582	295	196	582	295	196
	Input HP (Max) (C)	-	-	-	89.57	45.43	30.12	182.42	92.53	61.34	247.72	135.98	89.86
	Output Torque, In-Lb	-	-	-	9703	9703	9703	19762	19762	19762	26835	29041	28953
	OHL Input Shaft	-	-	-	(A)	1523	1586	(A)	1739	2096	(A)	2182	2275
	OHL Output Shaft (B)	-	-	-	(A)	4392	4886	(A)	4392	4886	(A)	4392	4886
7.88	Output RPM	-	-	-	438	222	147	438	222	147	438	222	147
	Input HP (Max) (C)	-	-	-	89.68	45.49	30.15	182.66	92.65	61.42	222.48	126.52	86.77
	Output Torque, In-Lb	-	-	-	12910	12910	12910	26294	26294	26294	32027	35906	37148
	OHL Input Shaft	-	-	-	(A)	1474	1585	(A)	1631	1988	(A)	2133	2262
	OHL Output Shaft (B)	-	-	-	(A)	4886	5306	(A)	4886	5306	(A)	4886	5306
9.13	Output RPM	378	192	127	378	192	127	378	192	127	378	192	127
	Input HP (Max) (C)	59.76	32.08	21.60	89.63	45.46	30.14	182.54	92.59	61.37	202.63	116.62	80.06
	Output Torque, In-Lb	9967	10549	10717	14949	14949	14949	30445	30445	30445	33797	38347	39712
	OHL Input Shaft	(A)	949	987	(A)	1442	1577	(A)	1562	1919	(A)	2099	2263
	OHL Output Shaft (B)	4392	4886	5306	4392	4886	5306	4392	4886	5306	4392	4886	5306
10.78	Output RPM	320	162	108	320	162	108	320	162	108	320	162	108
	Input HP (Max) (C)	57.60	30.93	20.83	89.62	45.46	30.13	182.09	92.59	61.37	182.09	104.95	70.54
	Output Torque, In-Lb	11343	12009	12198	17649	17649	17649	35860	35945	35945	35860	40744	41313
	OHL Input Shaft	(A)	948	986	(A)	1397	1585	(A)	1297	1828	(A)	2080	2274
	OHL Output Shaft (B)	4392	4886	5306	4392	4886	5306	4392	4886	5306	4392	4886	5306
12.03	Output RPM	287	145	96	287	145	96	287	145	96	287	145	96
	Input HP (Max) (C)	55.97	30.06	20.24	89.66	45.48	30.15	169.60	92.63	61.40	169.60	96.35	64.76
	Output Torque, In-Lb	12301	13024	13230	19705	19705	19705	37273	40133	40133	37273	41743	42327
	OHL Input Shaft	(A)	946	985	(A)	1363	1579	(A)	1091	1729	(A)	2108	2279
	OHL Output Shaft (B)	4392	5306	5578	4392	5306	5578	4392	5306	5578	4392	5306	5578

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

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IN-LINE HELICAL REDUCER (ILH)

SIZE: H_1282
60 HZ

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

NEMA MOTOR FRAME IEC MOTOR FRAME SEPARATE GROUP		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
14.06	Output RPM	245	124	83	245	124	83	245	124	83	245	124	83
	Input HP (Max) (C)	53.41	28.69	19.32	89.64	45.47	30.14	153.08	85.09	57.18	153.08	85.09	57.18
	Output Torque, In-Lb	13718	14525	14757	23025	23025	23025	39319	43087	43682	39319	43087	43682
	OHL Input Shaft OHL Output Shaft (B)	(A) 4886	952 5306	990 5578	(A) 4886	1308 5306	1583 5578	(A) 4886	1014 5306	1612 5578	(A) 4886	2141 5306	2285 5578
16.12	Output RPM	214	109	72	214	109	72	214	109	72	214	109	72
	Input HP (Max) (C)	50.81	27.30	18.38	89.64	45.47	30.14	139.01	76.13	51.17	139.84	76.13	51.17
	Output Torque, In-Lb	14962	15848	16099	26398	26398	26398	40937	44197	44814	41181	44197	44814
	OHL Input Shaft OHL Output Shaft (B)	(A) 4886	952 5306	991 5578	(A) 4886	1218 5306	1526 5578	(A) 4886	1039 5306	1638 5578	(A) 4886	2165 5306	2289 5578
18.64	Output RPM	185	94	62	185	94	62	185	94	62	185	94	62
	Input HP (Max) (C)	47.80	25.68	17.30	86.32	45.46	30.14	123.94	67.24	44.57	124.57	67.24	44.57
	Output Torque, In-Lb	16278	17240	17518	29395	30520	30520	42203	45140	45140	42419	45140	45140
	OHL Input Shaft OHL Output Shaft (B)	(A) 4886	950 5578	989 5578	(A) 4886	1008 5578	1456 5578	(A) 4886	1071 5578	1707 5578	(A) 4886	2183 5578	2281 5578
19.35	Output RPM	178	90	60	178	90	60	178	90	60	178	90	60
	Input HP (Max) (C)	46.95	25.23	16.99	84.76	45.46	30.13	120.16	64.77	42.94	120.73	64.77	42.94
	Output Torque, In-Lb	16597	17581	17862	29962	31677	31677	42476	45140	45140	42677	45140	45140
	OHL Input Shaft OHL Output Shaft (B)	(A) 4886	950 5578	989 6464	(A) 4886	950 5578	1438 6464	(A) 4886	1093 5578	1729 6464	(A) 4886	2187 5578	2284 6464
21.41	Output RPM	161	82	54	161	82	54	161	82	54	161	82	54
	Input HP (Max) (C)	44.81	24.08	16.22	79.52	43.36	29.45	110.43	58.54	38.81	110.89	58.54	38.81
	Output Torque, In-Lb	17526	18566	18864	31102	33436	34255	43191	45140	45140	43372	45140	45140
	OHL Input Shaft OHL Output Shaft (B)	(A) 4886	948 5578	987 6464	(A) 4886	880 5578	1321 6464	(A) 4886	1147 5578	1784 6464	(A) 4886	2194 5578	2290 6464
25.05	Output RPM	138	70	46	138	70	46	138	70	46	138	70	46
	Input HP (Max) (C)	41.40	22.25	14.99	70.56	38.47	26.48	96.61	50.04	33.17	97.03	50.04	33.17
	Output Torque, In-Lb	18945	20075	20395	32288	34705	36039	44212	45140	45140	44404	45140	45140
	OHL Input Shaft OHL Output Shaft (B)	(A) 5306	955 5578	985 6464	(A) 5306	862 5578	1272 6464	(A) 5306	1219 5578	1829 6464	(A) 5306	2202 5578	2295 6464
27.13	Output RPM	127	65	43	127	65	43	127	65	43	127	65	43
	Input HP (Max) (C)	39.75	21.37	14.39	66.26	36.13	24.87	90.17	46.20	30.62	90.60	46.20	30.62
	Output Torque, In-Lb	19701	20877	21212	32837	35302	36661	44687	45140	45140	44904	45140	45140
	OHL Input Shaft OHL Output Shaft (B)	(A) 5306	956 5578	995 6464	(A) 5306	851 5578	1263 6464	(A) 5306	1253 5578	1844 6464	(A) 5306	2203 5578	2298 6464
30.28	Output RPM	114	58	38	114	58	38	114	58	38	-	-	-
	Input HP (Max) (C)	37.56	20.19	13.60	60.68	33.09	22.77	81.60	41.39	27.44	-	-	-
	Output Torque, In-Lb	20775	22019	22370	33563	36083	37466	45139	45140	45140	-	-	-
	OHL Input Shaft OHL Output Shaft (B)	(A) 5306	956 6464	995 7974	(A) 5306	839 6464	1251 7974	(A) 5306	1294 6464	1862 7974	-	-	-

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



IN-LINE HELICAL REDUCER (ILH)

SIZE: H_1282
60 HZ

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

NEMA MOTOR FRAME IEC MOTOR FRAME SEPARATE GROUP		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
32.11	Output RPM	107	55	36	107	55	36	107	55	36	-	-	-
	Input HP (Max) (C)	36.61	19.68	13.25	57.83	31.54	21.71	76.95	39.03	25.87	-	-	-
	Output Torque, In-Lb	21474	22759	23124	33922	36468	37871	45139	45140	45140	-	-	-
	OHL Input Shaft OHL Output Shaft (B)	(A) 5306	956 6464	995 7974	(A) 5306	836 6464	1245 7974	(A) 5306	1315 6464	1870 7974	-	-	-
36.39	Output RPM	95	48	32	95	48	32	-	-	-	-	-	-
	Input HP (Max) (C)	34.44	18.52	12.47	52.12	28.42	19.56	-	-	-	-	-	-
	Output Torque, In-Lb	22898	24268	24660	34651	37251	38682	-	-	-	-	-	-
	OHL Input Shaft OHL Output Shaft (B)	(A) 5578	955 6464	994 7974	(A) 5578	824 6464	1234 7974	-	-	-	-	-	-
38.94	Output RPM	89	45	30	89	45	30	-	-	-	-	-	-
	Input HP (Max) (C)	33.69	18.12	12.20	47.63	26.84	17.74	-	-	-	-	-	-
	Output Torque, In-Lb	23968	25405	25813	33880	37643	37529	-	-	-	-	-	-
	OHL Input Shaft OHL Output Shaft (B)	(A) 5578	865 6464	993 7974	(A) 5578	819 6464	1315 7974	-	-	-	-	-	-
40.96	Output RPM	84	43	28	-	-	-	-	-	-	-	-	-
	Input HP (Max) (C)	32.48	17.95	12.09	-	-	-	-	-	-	-	-	-
	Output Torque, In-Lb	24306	26479	26909	-	-	-	-	-	-	-	-	-
	OHL Input Shaft OHL Output Shaft (B)	(A) 5578	716 6464	991 7974	-	-	-	-	-	-	-	-	-

(A) (B) (C) - See Footnotes page on inside back cover
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IN-LINE HELICAL REDUCER (ILH)

SIZE: H_1283
60 HZ

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

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
37.57	Output RPM	-	-	-	-	-	-	-	-	-	92	47	31	92	47	31	92	47	31
	Input HP (Max) (C)	-	-	-	-	-	-	-	-	-	51.65	32.47	21.70	51.65	32.47	22.11	51.65	32.47	22.11
	Output Torque, In-Lb	-	-	-	-	-	-	-	-	-	35449	43930	44294	35449	43930	45140	35449	43930	45140
	OHL Input Shaft OHL Output Shaft (B)	-	-	-	-	-	-	-	-	-	(A) 5578	949	988	(A) 5578	1516	1592	(A) 6464	2114	2462
43.71	Output RPM	-	-	-	-	-	-	-	-	-	79	40	27	79	40	27	79	40	27
	Input HP (Max) (C)	-	-	-	-	-	-	-	-	-	46.95	28.68	19.01	46.95	28.68	19.01	46.95	28.68	19.01
	Output Torque, In-Lb	-	-	-	-	-	-	-	-	-	37490	45140	45140	37490	45140	45140	37490	45140	45140
	OHL Input Shaft OHL Output Shaft (B)	-	-	-	-	-	-	-	-	-	(A) 5578	952	991	(A) 5578	1521	1584	(A) 6464	2125	2483
48.44	Output RPM	-	-	-	-	-	-	71	36	24	71	36	24	71	36	24	71	36	24
	Input HP (Max) (C)	-	-	-	-	-	-	27.34	13.87	9.19	43.69	25.88	17.15	43.69	25.88	17.15	43.69	25.88	17.15
	Output Torque, In-Lb	-	-	-	-	-	-	24194	24194	24194	38663	45140	45140	38663	45140	45140	38663	45140	45140
	OHL Input Shaft OHL Output Shaft (B)	-	-	-	-	-	-	(A) 5578	837	872	(A) 5578	954	993	(A) 5578	1525	1588	(A) 6464	2137	2493
57.56	Output RPM	-	-	-	60	30	20	60	30	20	60	30	20	60	30	20	60	30	20
	Input HP (Max) (C)	-	-	-	20.42	10.36	6.87	27.34	13.87	9.19	38.73	21.78	14.43	38.73	21.78	14.43	38.73	21.78	14.43
	Output Torque, In-Lb	-	-	-	21471	21471	21471	28750	28750	28750	40720	45140	45140	40720	45140	45140	40720	45140	45140
	OHL Input Shaft OHL Output Shaft (B)	-	-	-	(A) 6464	713	742	(A) 6464	843	877	(A) 6464	955	994	(A) 6464	1523	1586	(A) 6464	2153	2502
66.43	Output RPM	-	-	-	52	26	17	52	26	17	52	26	17	52	26	17	-	-	-
	Input HP (Max) (C)	-	-	-	20.42	10.36	6.87	27.34	13.87	9.19	35.02	18.87	12.51	35.02	18.87	12.51	-	-	-
	Output Torque, In-Lb	-	-	-	24780	24780	24780	33180	33180	33180	42504	45140	45140	42504	45140	45140	-	-	-
	OHL Input Shaft OHL Output Shaft (B)	-	-	-	(A) 6464	713	742	(A) 6464	843	877	(A) 6464	949	989	(A) 6464	1527	1591	-	-	-
78.06	Output RPM	44	22	15	44	22	15	44	22	15	44	22	15	44	22	15	-	-	-
	Input HP (Max) (C)	9.86	5.00	3.32	20.42	10.36	6.87	27.34	13.87	9.19	31.29	16.06	10.64	31.29	16.06	10.64	-	-	-
	Output Torque, In-Lb	14065	14065	14065	29117	29117	29117	38987	38987	38987	44616	45140	45140	44616	45140	45140	-	-	-
	OHL Input Shaft OHL Output Shaft (B)	(A) 6464	452	470	(A) 6464	711	740	(A) 6464	841	876	(A) 6464	953	987	(A) 6464	1530	1594	-	-	-
88.46	Output RPM	39	20	13	39	20	13	39	20	13	39	20	13	39	20	13	-	-	-
	Input HP (Max) (C)	9.86	5.00	3.32	20.42	10.36	6.87	27.34	13.87	9.19	27.93	14.17	9.39	27.93	14.17	9.39	-	-	-
	Output Torque, In-Lb	15938	15938	15938	32995	32995	32995	44180	44180	44180	45140	45140	45140	45140	45140	45140	-	-	-
	OHL Input Shaft OHL Output Shaft (B)	(A) 7974	453	472	(A) 7974	708	738	(A) 7974	838	873	(A) 7974	951	990	(A) 7974	1532	1595	-	-	-
103.80	Output RPM	33	17	11	33	17	11	33	17	11	33	17	11	33	17	11	-	-	-
	Input HP (Max) (C)	9.86	5.00	3.32	20.42	10.36	6.87	23.81	12.08	8.00	23.81	12.08	8.00	23.81	12.08	8.00	-	-	-
	Output Torque, In-Lb	18703	18703	18703	38719	38719	38719	45140	45140	45140	45140	45140	45140	45140	45140	45140	-	-	-
	OHL Input Shaft OHL Output Shaft (B)	(A) 7974	456	474	(A) 7974	709	739	(A) 7974	841	876	(A) 7974	954	994	(A) 7974	1533	1596	-	-	-

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

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IN-LINE HELICAL REDUCER (ILH)

SIZE: H_1283
60 HZ

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

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
113.24	Output RPM	30	15	10	30	15	10	30	15	10	30	15	10	-	-	-	-	-	-
	Input HP (Max) (C)	9.86	5.00	3.32	20.42	10.36	6.87	21.82	11.07	7.34	21.82	11.07	7.34	-	-	-	-	-	-
	Output Torque, In-Lb	20404	20404	20404	42239	42239	42239	45140	45140	45140	45140	45140	45140	-	-	-	-	-	-
	OHL Input Shaft	(A)	456	474	(A)	712	736	(A)	842	877	(A)	955	995	-	-	-	-	-	-
	OHL Output Shaft (B)	7974	8992	8992	7974	8992	8992	7974	8992	8992	7974	8992	8992	-	-	-	-	-	-
123.53	Output RPM	28	14	9	28	14	9	28	14	9	28	14	9	-	-	-	-	-	-
	Input HP (Max) (C)	9.86	5.00	3.32	19.72	10.15	6.73	20.00	10.15	6.73	20.00	10.15	6.73	-	-	-	-	-	-
	Output Torque, In-Lb	22257	22257	22257	44492	45140	45140	45140	45140	45140	45140	45140	45140	-	-	-	-	-	-
	OHL Input Shaft	(A)	456	474	(A)	663	741	(A)	843	877	(A)	956	995	-	-	-	-	-	-
	OHL Output Shaft (B)	7974	8992	8992	7974	8992	8992	7974	8992	8992	7974	8992	8992	-	-	-	-	-	-
133.30	Output RPM	26	13	9	26	13	9	26	13	9	26	13	9	-	-	-	-	-	-
	Input HP (Max) (C)	9.86	5.00	3.32	18.54	9.40	6.23	18.54	9.40	6.23	18.54	9.40	6.23	-	-	-	-	-	-
	Output Torque, In-Lb	24019	24019	24019	45140	45140	45140	45140	45140	45140	45140	45140	45140	-	-	-	-	-	-
	OHL Input Shaft	(A)	455	473	(A)	682	735	(A)	843	878	(A)	957	996	-	-	-	-	-	-
	OHL Output Shaft (B)	7974	8992	8992	7974	8992	8992	7974	8992	8992	7974	8992	8992	-	-	-	-	-	-
148.99	Output RPM	23	12	8	23	12	8	23	12	8	23	12	8	-	-	-	-	-	-
	Input HP (Max) (C)	9.86	5.00	3.32	16.58	8.41	5.58	16.58	8.41	5.58	16.58	8.41	5.58	-	-	-	-	-	-
	Output Torque, In-Lb	26845	26845	26845	45140	45140	45140	45140	45140	45140	45140	45140	45140	-	-	-	-	-	-
	OHL Input Shaft	(A)	453	472	(A)	707	737	(A)	844	878	(A)	957	997	-	-	-	-	-	-
	OHL Output Shaft (B)	8992	8992	8992	8992	8992	8992	8992	8992	8992	8992	8992	8992	-	-	-	-	-	-
159.60	Output RPM	22	11	7	22	11	7	22	11	7	22	11	7	-	-	-	-	-	-
	Input HP (Max) (C)	9.59	5.00	3.32	15.48	7.85	5.21	15.48	7.85	5.21	15.48	7.85	5.21	-	-	-	-	-	-
	Output Torque, In-Lb	27974	28756	28756	45140	45140	45140	45140	45140	45140	45140	45140	45140	-	-	-	-	-	-
	OHL Input Shaft	(A)	454	470	(A)	708	738	(A)	844	879	(A)	958	997	-	-	-	-	-	-
	OHL Output Shaft (B)	8992	8992	8992	8992	8992	8992	8992	8992	8992	8992	8992	8992	-	-	-	-	-	-
171.62	Output RPM	20	10	7	20	10	7	20	10	7	20	10	7	-	-	-	-	-	-
	Input HP (Max) (C)	9.22	4.81	3.32	14.40	7.30	4.84	14.40	7.30	4.84	14.40	7.30	4.84	-	-	-	-	-	-
	Output Torque, In-Lb	28913	29747	30923	45140	45140	45140	45140	45140	45140	45140	45140	45140	-	-	-	-	-	-
	OHL Input Shaft	(A)	453	471	(A)	710	736	(A)	844	879	(A)	958	997	-	-	-	-	-	-
	OHL Output Shaft (B)	8992	8992	8992	8992	8992	8992	8992	8992	8992	8992	8992	8992	-	-	-	-	-	-
185.36	Output RPM	19	9	6	19	9	6	19	9	6	19	9	6	-	-	-	-	-	-
	Input HP (Max) (C)	8.83	4.61	3.19	13.33	6.76	4.48	13.33	6.76	4.48	13.33	6.76	4.48	-	-	-	-	-	-
	Output Torque, In-Lb	29904	30774	32081	45140	45140	45140	45140	45140	45140	45140	45140	45140	-	-	-	-	-	-
	OHL Input Shaft	(A)	453	470	(A)	711	737	(A)	844	871	(A)	958	997	-	-	-	-	-	-
	OHL Output Shaft (B)	8992	8992	8992	8992	8992	8992	8992	8992	8992	8992	8992	8992	-	-	-	-	-	-
201.22	Output RPM	17	9	6	17	9	6	17	9	6	17	9	6	-	-	-	-	-	-
	Input HP (Max) (C)	8.43	4.40	3.04	12.28	6.23	4.13	12.28	6.23	4.13	12.28	6.23	4.13	-	-	-	-	-	-
	Output Torque, In-Lb	30974	31881	33235	45140	45140	45140	45140	45140	45140	45140	45140	45140	-	-	-	-	-	-
	OHL Input Shaft	(A)	453	470	(A)	709	739	(A)	838	873	(A)	958	998	-	-	-	-	-	-
	OHL Output Shaft (B)	8992	8992	8992	8992	8992	8992	8992	8992	8992	8992	8992	8992	-	-	-	-	-	-

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

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SELECTION



QUANTS

QUANTS GOLD

ILH

RHB

MSM

IN-LINE HELICAL REDUCER (ILH)

SIZE: H_1283
60 HZ

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

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
219.72	Output RPM	16	8	5	16	8	5	16	8	5	-	-	-	-	-	-	-	-	-
	Input HP (Max) (C)	8.01	4.18	2.89	11.25	5.70	3.78	11.25	5.70	3.78	-	-	-	-	-	-	-	-	-
	Output Torque, In-Lb	32151	33094	34502	45140	45140	45140	45140	45140	45140	-	-	-	-	-	-	-	-	-
	OHL Input Shaft OHL Output Shaft (B)	(A) 8992 8992	452 8992	474 8992	(A) 8992 8992	710 8992	740 8992	(A) 8992 8992	839 8992	874 8992	-	-	-	-	-	-	-	-	-
245.93	Output RPM	14	7	5	14	7	5	-	-	-	-	-	-	-	-	-	-	-	-
	Input HP (Max) (C)	7.51	3.92	2.71	10.05	5.10	3.38	-	-	-	-	-	-	-	-	-	-	-	-
	Output Torque, In-Lb	33758	34751	36235	45140	45140	45140	-	-	-	-	-	-	-	-	-	-	-	-
	OHL Input Shaft OHL Output Shaft (B)	(A) 8992 8992	456 8992	474 8992	(A) 8992 8992	712 8992	741 8992	-	-	-	-	-	-	-	-	-	-	-	-
268.16	Output RPM	13	7	4	13	7	4	-	-	-	-	-	-	-	-	-	-	-	-
	Input HP (Max) (C)	7.03	3.74	2.58	9.21	4.67	3.10	-	-	-	-	-	-	-	-	-	-	-	-
	Output Torque, In-Lb	34418	36115	37654	45140	45140	45140	-	-	-	-	-	-	-	-	-	-	-	-
	OHL Input Shaft OHL Output Shaft (B)	(A) 8992 8992	456 8992	474 8992	(A) 8992 8992	712 8992	742 8992	-	-	-	-	-	-	-	-	-	-	-	-

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

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IN-LINE HELICAL REDUCER (ILH)

SIZE: H_1482
60 HZ

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

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
4.92	Output RPM	-	-	-	701	356	236	701	356	236	701	356	236	701	356	236
	Input HP (Max) (C)	-	-	-	89.63	45.47	30.14	182.56	92.60	61.38	250.63	137.51	90.92	265.03	144.74	99.71
	Output Torque, In-Lb	-	-	-	8056	8056	8056	16408	16408	16408	22526	24365	24303	23821	25647	26655
	OHL Input Shaft OHL Output Shaft (B)	-	-	-	(A) (A)	1523 5381	1586 6087	(A) (A)	1745 5381	2102 6087	(A) (A)	2182 5381	2274 6087	(A) (A)	2111 5381	2528 6087
6.43	Output RPM	-	-	-	537	272	180	537	272	180	537	272	180	537	272	180
	Input HP (Max) (C)	-	-	-	89.61	45.45	30.13	182.52	92.58	61.37	233.81	127.69	87.76	230.10	125.68	86.60
	Output Torque, In-Lb	-	-	-	10526	10526	10526	21439	21439	21439	27464	29570	30660	27028	29103	30255
	OHL Input Shaft OHL Output Shaft (B)	-	-	-	(A) (A)	1488 5381	1585 6087	(A) (A)	1640 5381	1997 6087	(A) (A)	2124 5381	2261 6087	(A) (A)	2108 5381	2525 6087
7.57	Output RPM	456	231	153	456	231	153	456	231	153	456	231	153	456	231	153
	Input HP (Max) (C)	60.79	32.63	21.71	89.65	45.48	30.14	182.59	92.62	61.39	212.59	116.13	80.00	209.12	114.24	78.71
	Output Torque, In-Lb	8407	8896	8927	12398	12398	12398	25250	25250	25250	29399	31660	32905	28920	31145	32374
	OHL Input Shaft OHL Output Shaft (B)	(A) (A)	949 6087	987 6751	(A) (A)	1451 6087	1580 6751	(A) (A)	1546 6087	1914 6751	(A) (A)	2081 6087	2262 6751	(A) (A)	2069 6087	2521 6751
8.79	Output RPM	-	-	-	392	199	132	392	199	132	392	199	132	392	199	132
	Input HP (Max) (C)	-	-	-	89.59	45.44	30.12	182.47	92.56	61.35	250.50	137.44	90.87	264.90	144.67	99.67
	Output Torque, In-Lb	-	-	-	14386	14386	14386	29300	29300	29300	40224	43509	43399	42537	45797	47598
	OHL Input Shaft OHL Output Shaft (B)	-	-	-	(A) (A)	1523 6087	1587 6751	(A) (A)	1745 6087	2102 6751	(A) (A)	2182 6087	2274 6751	(A) (A)	2111 6087	2528 6751
11.48	Output RPM	-	-	-	301	152	101	301	152	101	301	152	101	301	152	101
	Input HP (Max) (C)	-	-	-	89.63	45.46	30.14	182.55	92.60	61.38	233.85	127.71	87.78	230.14	125.70	86.62
	Output Torque, In-Lb	-	-	-	18797	18797	18797	38284	38284	38284	49043	52803	54750	48265	51970	54027
	OHL Input Shaft OHL Output Shaft (B)	-	-	-	(A) (A)	1488 6751	1585 6751	(A) (A)	1640 6751	1994 6751	(A) (A)	2124 6751	2261 6751	(A) (A)	2108 6751	2523 6751
13.52	Output RPM	255	129	86	255	129	86	255	129	86	255	129	86	255	129	86
	Input HP (Max) (C)	60.78	32.63	21.70	89.64	45.47	30.14	182.56	92.60	61.38	212.56	116.11	79.99	209.09	114.22	78.70
	Output Torque, In-Lb	15012	15886	15942	22139	22139	22139	45090	45090	45090	52498	56535	58760	51642	55616	57811
	OHL Input Shaft OHL Output Shaft (B)	(A) (A)	949 6751	987 7372	(A) (A)	1451 6751	1580 7372	(A) (A)	1546 6751	1914 7372	(A) (A)	2081 6751	2262 7372	(A) (A)	2069 6751	2520 7372
15.51	Output RPM	222	113	75	222	113	75	222	113	75	222	113	75	222	113	75
	Input HP (Max) (C)	59.06	31.72	21.35	89.62	45.46	30.13	181.36	92.58	61.37	195.12	106.59	73.43	191.88	104.82	72.22
	Output Torque, In-Lb	16734	17717	17995	25393	25393	25393	51386	51716	51716	55284	59537	61876	54367	58553	60860
	OHL Input Shaft OHL Output Shaft (B)	(A) (A)	946 6751	985 7372	(A) (A)	1415 6751	1585 7372	(A) (A)	1309 6751	1833 7372	(A) (A)	2048 6751	2285 7372	(A) (A)	2037 6751	2516 7372
17.09	Output RPM	202	102	68	202	102	68	202	102	68	202	102	68	202	102	68
	Input HP (Max) (C)	57.66	30.96	20.85	89.64	45.47	30.14	170.83	92.61	61.39	183.18	100.06	68.93	180.10	98.39	67.79
	Output Torque, In-Lb	18002	19058	19360	27987	27987	27987	53333	57000	57000	57188	61584	64002	56226	60555	62949
	OHL Input Shaft OHL Output Shaft (B)	(A) (A)	944 6751	983 7372	(A) (A)	1384 6751	1584 7372	(A) (A)	1123 6751	1760 7372	(A) (A)	2027 6751	2287 7372	(A) (A)	2016 6751	2514 7372

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

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IN-LINE HELICAL REDUCER (ILH)

SIZE: H_1482
60 HZ

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

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
20.21	Output RPM	171	87	57	171	87	57	171	87	57	171	87	57	171	87	57
	Input HP (Max) (C)	54.80	29.43	19.82	89.64	45.47	30.14	153.47	92.60	61.38	163.29	89.22	61.47	160.52	87.69	60.43
	Output Torque, In-Lb	20232	21422	21763	33094	33094	33094	56662	67402	67402	60286	64938	67498	59264	63825	66358
	OHL Input Shaft (A) OHL Output Shaft (B)	(A) 6087 (B) 7372	951 7372	990 7911	(A) 6087 (B) 7372	1325 7911	1588 7911	(A) 6087 (B) 7372	763 7911	1400 7911	(A) 6087 (B) 7372	1990 7911	2290 7911	(A) 6087 (B) 7372	1980 7911	2510 7911
23.04	Output RPM	150	76	50	150	76	50	150	76	50	150	76	50	150	76	50
	Input HP (Max) (C)	52.26	28.07	18.90	89.62	45.46	30.13	139.09	84.60	56.56	148.64	81.20	55.93	146.07	79.79	54.98
	Output Torque, In-Lb	21996	23291	23664	37719	37719	37719	58544	70198	70808	62563	67379	70013	61480	66210	68824
	OHL Input Shaft (A) OHL Output Shaft (B)	(A) 6751 (B) 7372	950 7372	990 7911	(A) 6751 (B) 7372	1235 7911	1545 7911	(A) 6751 (B) 7372	730 7911	1342 7911	(A) 6751 (B) 7372	1967 7911	2293 7911	(A) 6751 (B) 7372	1958 7911	2508 7911
26.49	Output RPM	130	66	44	130	66	44	130	66	44	130	66	44	130	66	44
	Input HP (Max) (C)	49.31	26.49	17.84	87.62	45.46	30.14	123.93	74.22	49.20	133.93	73.17	49.20	131.59	71.89	49.20
	Output Torque, In-Lb	23860	25275	25674	42400	43373	43373	59972	70808	70808	64810	69804	70808	63682	68581	70808
	OHL Input Shaft (A) OHL Output Shaft (B)	(A) 6751 (B) 7372	948 7372	987 7911	(A) 6751 (B) 7372	1029 7911	1479 7911	(A) 6751 (B) 7372	789 7911	1427 7911	(A) 6751 (B) 7372	1941 7911	2279 7911	(A) 6751 (B) 7372	1936 7911	2514 7911
30.28	Output RPM	114	58	38	114	58	38	114	58	38	114	58	38	114	58	38
	Input HP (Max) (C)	46.36	24.91	16.78	81.28	45.02	29.94	110.56	64.93	43.04	120.77	64.93	43.04	118.63	64.81	43.04
	Output Torque, In-Lb	25644	27167	27599	44959	49095	49258	61159	70808	70808	66804	70808	70808	65623	70671	70808
	OHL Input Shaft (A) OHL Output Shaft (B)	(A) 6751 (B) 7372	946 7911	985 9679	(A) 6751 (B) 7372	828 7911	1311 9679	(A) 6751 (B) 7372	860 7911	1496 9679	(A) 6751 (B) 7372	1969 7911	2287 9679	(A) 6751 (B) 7372	1917 7911	2542 9679
35.09	Output RPM	98	50	33	98	50	33	98	50	33	98	50	33	-	-	-
	Input HP (Max) (C)	43.09	23.16	15.59	72.65	40.49	27.88	97.32	56.03	37.14	107.37	56.03	37.14	-	-	-
	Output Torque, In-Lb	27619	29262	29730	46569	51175	53144	62387	70805	70805	68825	70805	70805	-	-	-
	OHL Input Shaft (A) OHL Output Shaft (B)	(A) 7372 (B) 7911	955 7911	994 9679	(A) 7372 (B) 7911	791 7911	1198 9679	(A) 7372 (B) 7911	929 7911	1565 9679	(A) 7372 (B) 7911	2041 7911	2282 9679	-	-	-
38.23	Output RPM	90	46	30	90	46	30	90	46	30	90	46	30	-	-	-
	Input HP (Max) (C)	41.23	22.17	14.93	67.97	37.82	26.04	90.27	51.43	34.09	100.09	51.43	34.09	-	-	-
	Output Torque, In-Lb	28798	30518	31003	47468	52078	54082	63042	70808	70808	69899	70808	70808	-	-	-
	OHL Input Shaft (A) OHL Output Shaft (B)	(A) 7372 (B) 7911	955 7911	994 9679	(A) 7372 (B) 7911	780 7911	1188 9679	(A) 7372 (B) 7911	964 7911	1602 9679	(A) 7372 (B) 7911	2079 7911	2287 9679	-	-	-
42.59	Output RPM	81	41	27	81	41	27	81	41	27	-	-	-	-	-	-
	Input HP (Max) (C)	39.02	20.98	14.13	63.54	34.65	23.85	81.98	46.16	30.60	-	-	-	-	-	-
	Output Torque, In-Lb	30360	32174	32688	49437	53147	55191	63782	70808	70808	-	-	-	-	-	-
	OHL Input Shaft (A) OHL Output Shaft (B)	(A) 7372 (B) 7911	955 7911	994 9679	(A) 7372 (B) 7911	768 7911	1175 9679	(A) 7372 (B) 7911	1006 7911	1641 9679	-	-	-	-	-	-
45.11	Output RPM	76	39	26	76	39	26	76	39	26	-	-	-	-	-	-
	Input HP (Max) (C)	38.07	20.47	13.78	60.60	33.04	22.75	77.87	43.58	28.89	-	-	-	-	-	-
	Output Torque, In-Lb	31376	33251	33783	49937	53682	55747	64170	70808	70808	-	-	-	-	-	-
	OHL Input Shaft (A) OHL Output Shaft (B)	(A) 7372 (B) 9679	954 9679	994 9679	(A) 7372 (B) 9679	760 9679	1169 9679	(A) 7372 (B) 9679	1025 9679	1663 9679	-	-	-	-	-	-

(A) (B) (C) - See Footnotes page on inside back cover
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IN-LINE HELICAL REDUCER (ILH)

SIZE: H_1483

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

60 HZ

TRIPLE REDUCTION

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
34.15	Output RPM	-	-	-	-	-	-	-	-	-	101	51	34	101	51	34	101	51	34
	Input HP (Max) (C)	-	-	-	-	-	-	-	-	-	89.37	45.47	30.14	89.37	57.57	38.16	89.37	57.57	38.16
	Output Torque, In-Lb	-	-	-	-	-	-	-	-	-	55756	55921	55921	55756	70808	70808	55756	70808	70808
	OHL Output Shaft (B)	-	-	-	-	-	-	-	-	-	(A) 1523	1586	(A) 2001	2357	(A) 2185	2278	(A) 2185	2278	7911
45.44	Output RPM	-	-	-	-	-	-	-	-	-	76	39	26	76	39	26	76	39	26
	Input HP (Max) (C)	-	-	-	-	-	-	-	-	-	75.66	43.27	28.68	75.66	43.27	28.68	75.66	43.27	28.68
	Output Torque, In-Lb	-	-	-	-	-	-	-	-	-	62804	70808	70808	62804	70808	70808	62804	70808	70808
	OHL Output Shaft (B)	-	-	-	-	-	-	-	-	-	(A) 1505	1587	(A) 2060	2416	(A) 2190	2284	(A) 2190	2284	9679
52.61	Output RPM	-	-	-	-	-	-	66	33	22	66	33	22	66	33	22	66	33	22
	Input HP (Max) (C)	-	-	-	-	-	-	61.07	32.74	21.70	68.27	37.37	24.77	68.27	37.37	24.77	68.27	37.37	24.77
	Output Torque, In-Lb	-	-	-	-	-	-	58695	62037	62037	65615	70808	70808	65615	70808	70808	65615	70808	70808
	OHL Output Shaft (B)	-	-	-	-	-	-	7372	9679	11827	7372	9679	11827	7372	9679	11827	7372	9679	11827
62.12	Output RPM	-	-	-	-	-	-	56	28	19	56	28	19	56	28	19	-	-	-
	Input HP (Max) (C)	-	-	-	-	-	-	59.00	31.65	20.98	60.39	31.65	20.98	60.39	31.65	20.98	-	-	-
	Output Torque, In-Lb	-	-	-	-	-	-	66951	70808	70808	68528	70808	70808	68528	70808	70808	-	-	-
	OHL Output Shaft (B)	-	-	-	-	-	-	7911	9679	11827	7911	9679	11827	7911	9679	11827	-	-	-
69.36	Output RPM	-	-	-	50	25	17	50	25	17	50	25	17	50	25	17	-	-	-
	Input HP (Max) (C)	-	-	-	27.34	13.87	9.19	55.74	28.35	18.79	55.74	28.35	18.79	55.74	28.35	18.79	-	-	-
	Output Torque, In-Lb	-	-	-	34640	34640	34640	70623	70808	70808	70623	70808	70808	70623	70808	70808	-	-	-
	OHL Output Shaft (B)	-	-	-	(A) 835	870	(A) 951	991	(A) 1531	1594	(A) 1531	1594	(A) 2115	2471	(A) 2115	2471	-	-	-
81.04	Output RPM	43	22	14	43	22	14	43	22	14	43	22	14	43	22	14	-	-	-
	Input HP (Max) (C)	20.42	10.36	6.87	27.34	13.87	9.19	47.83	24.26	16.08	47.83	24.26	16.08	47.83	24.26	16.08	-	-	-
	Output Torque, In-Lb	30229	30229	30229	40476	40476	40476	70808	70808	70808	70808	70808	70808	70808	70808	70808	-	-	-
	OHL Output Shaft (B)	7911	11827	12725	7911	11827	12725	7911	11827	12725	7911	11827	12725	7911	11827	12725	-	-	-
92.91	Output RPM	37	19	12	37	19	12	37	19	12	37	19	12	37	19	12	-	-	-
	Input HP (Max) (C)	20.42	10.36	6.87	27.34	13.87	9.19	41.72	21.16	14.03	41.72	21.16	14.03	41.72	21.16	14.03	-	-	-
	Output Torque, In-Lb	34657	34657	34657	46405	46405	46405	70808	70808	70808	70808	70808	70808	70808	70808	70808	-	-	-
	OHL Output Shaft (B)	9679	11827	12725	9679	11827	12725	9679	11827	12725	9679	11827	12725	9679	11827	12725	-	-	-
107.42	Output RPM	-	-	-	32	16	11	32	16	11	32	16	11	-	-	-	-	-	-
	Input HP (Max) (C)	-	-	-	27.34	13.87	9.19	36.08	18.30	12.13	36.08	18.30	12.13	-	-	-	-	-	-
	Output Torque, In-Lb	-	-	-	53652	53652	53652	70808	70808	70808	70808	70808	70808	-	-	-	-	-	-
	OHL Output Shaft (B)	-	-	-	(A) 840	875	(A) 956	996	(A) 1523	1587	(A) 1523	1587	-	-	-	-	-	-	-

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

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IN-LINE HELICAL REDUCER (ILH)

SIZE: H_1483
60 HZ

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

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
111.50	Output RPM	31	16	10	31	16	10	31	16	10	31	16	10	-	-	-	-	-	-
	Input HP (Max) (C)	20.42	10.36	6.87	27.34	13.87	9.19	34.76	17.63	11.69	34.76	17.63	11.69	-	-	-	-	-	-
	Output Torque, In-Lb	41589	41589	41589	55686	55686	55686	70808	70808	70808	70808	70808	70808	-	-	-	-	-	-
	OHL Input Shaft OHL Output Shaft (B)	(A) 708 9679	738 12725	738 12725	(A) 839 9679	874 12725	874 12725	(A) 957 9679	996 12725	996 12725	(A) 1524 9679	1588 12725	1588 12725	-	-	-	-	-	-
123.37	Output RPM	28	14	9	28	14	9	28	14	9	28	14	9	-	-	-	-	-	-
	Input HP (Max) (C)	20.42	10.36	6.87	27.34	13.87	9.19	31.42	15.94	10.56	31.42	15.94	10.56	-	-	-	-	-	-
	Output Torque, In-Lb	46019	46019	46019	61619	61619	61619	70808	70808	70808	70808	70808	70808	-	-	-	-	-	-
	OHL Input Shaft OHL Output Shaft (B)	(A) 711 9679	736 12725	736 12725	(A) 835 9679	871 12725	871 12725	(A) 957 9679	996 12725	996 12725	(A) 1527 9679	1591 12725	1591 12725	-	-	-	-	-	-
144.39	Output RPM	24	12	8	24	12	8	24	12	8	24	12	8	-	-	-	-	-	-
	Input HP (Max) (C)	20.42	10.36	6.87	26.84	13.62	9.03	26.84	13.62	9.03	26.84	13.62	9.03	-	-	-	-	-	-
	Output Torque, In-Lb	53859	53859	53859	70808	70808	70808	70808	70808	70808	70808	70808	70808	-	-	-	-	-	-
	OHL Input Shaft OHL Output Shaft (B)	(A) 712 11827	736 12725	736 12725	(A) 837 11827	873 12725	873 12725	(A) 950 11827	990 12725	990 12725	(A) 1530 11827	1593 12725	1593 12725	-	-	-	-	-	-
156.38	Output RPM	22	11	7	22	11	7	22	11	7	22	11	7	-	-	-	-	-	-
	Input HP (Max) (C)	20.42	10.36	6.87	24.79	12.57	8.33	24.79	12.57	8.33	24.79	12.57	8.33	-	-	-	-	-	-
	Output Torque, In-Lb	58330	58330	58330	70808	70808	70808	70808	70808	70808	70808	70808	70808	-	-	-	-	-	-
	OHL Input Shaft OHL Output Shaft (B)	(A) 711 11827	740 12725	740 12725	(A) 839 11827	874 12725	874 12725	(A) 952 11827	988 12725	988 12725	(A) 1531 11827	1594 12725	1594 12725	-	-	-	-	-	-
174.53	Output RPM	20	10	7	20	10	7	20	10	7	-	-	-	-	-	-	-	-	-
	Input HP (Max) (C)	19.33	10.36	6.87	22.21	11.27	7.47	22.21	11.27	7.47	-	-	-	-	-	-	-	-	-
	Output Torque, In-Lb	61633	65099	65099	70808	70808	70808	70808	70808	70808	-	-	-	-	-	-	-	-	-
	OHL Input Shaft OHL Output Shaft (B)	(A) 556 11827	737 12725	737 12725	(A) 836 11827	871 12725	871 12725	(A) 951 11827	990 12725	990 12725	-	-	-	-	-	-	-	-	-
185.03	Output RPM	19	9	6	19	9	6	19	9	6	-	-	-	-	-	-	-	-	-
	Input HP (Max) (C)	18.43	10.03	6.87	20.95	10.63	7.04	20.95	10.63	7.04	-	-	-	-	-	-	-	-	-
	Output Torque, In-Lb	62310	66852	69018	70808	70808	70808	70808	70808	70808	-	-	-	-	-	-	-	-	-
	OHL Input Shaft OHL Output Shaft (B)	(A) 522 11827	740 12725	740 12725	(A) 837 11827	873 12725	873 12725	(A) 952 11827	991 12725	991 12725	-	-	-	-	-	-	-	-	-
209.76	Output RPM	16	8	6	16	8	6	16	8	6	-	-	-	-	-	-	-	-	-
	Input HP (Max) (C)	16.61	9.04	6.21	18.48	9.37	6.21	18.48	9.37	6.21	-	-	-	-	-	-	-	-	-
	Output Torque, In-Lb	63661	68285	70808	70808	70808	70808	70808	70808	70808	-	-	-	-	-	-	-	-	-
	OHL Input Shaft OHL Output Shaft (B)	(A) 514 12725	735 12725	735 12725	(A) 840 12725	875 12725	875 12725	(A) 954 12725	994 12725	994 12725	-	-	-	-	-	-	-	-	-
224.43	Output RPM	15	8	5	15	8	5	15	8	5	-	-	-	-	-	-	-	-	-
	Input HP (Max) (C)	15.69	8.54	5.81	17.27	8.76	5.81	17.27	8.76	5.81	-	-	-	-	-	-	-	-	-
	Output Torque, In-Lb	64347	69006	70808	70808	70808	70808	70808	70808	70808	-	-	-	-	-	-	-	-	-
	OHL Input Shaft OHL Output Shaft (B)	(A) 509 12725	737 12725	737 12725	(A) 841 12725	876 12725	876 12725	(A) 955 12725	994 12725	994 12725	-	-	-	-	-	-	-	-	-

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



IN-LINE HELICAL REDUCER (ILH)

SIZE: H_1483
60 HZ

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

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
236.05	Output RPM	15	7	5	15	7	5	15	7	5	-	-	-	-	-	-	-	-	-
	Input HP (Max) (C)	15.03	8.18	5.52	16.42	8.33	5.52	16.42	8.33	5.52	-	-	-	-	-	-	-	-	-
	Output Torque, In-Lb	64825	69568	70808	70808	70808	70808	70808	70808	70808	-	-	-	-	-	-	-	-	-
	OHL Input Shaft OHL Output Shaft (B)	(A) 507 12725	738 12725	(A) 841 12725	876 12725	(A) 955 12725	995 12725	-	-	-	-	-	-	-	-	-	-	-	-
254.70	Output RPM	14	7	5	14	7	5	14	7	5	-	-	-	-	-	-	-	-	-
	Input HP (Max) (C)	14.08	7.66	5.12	15.22	7.72	5.12	15.22	7.72	5.12	-	-	-	-	-	-	-	-	-
	Output Torque, In-Lb	65521	70276	70808	70808	70808	70808	70808	70808	70808	-	-	-	-	-	-	-	-	-
	OHL Input Shaft OHL Output Shaft (B)	(A) 503 12725	739 12725	(A) 842 12725	877 12725	(A) 956 12725	995 12725	-	-	-	-	-	-	-	-	-	-	-	-
276.23	Output RPM	12	6	4	12	6	4	12	6	4	-	-	-	-	-	-	-	-	-
	Input HP (Max) (C)	13.12	7.12	4.72	14.03	7.12	4.72	14.03	7.12	4.72	-	-	-	-	-	-	-	-	-
	Output Torque, In-Lb	66219	70808	70808	70808	70808	70808	70808	70808	70808	-	-	-	-	-	-	-	-	-
	OHL Input Shaft OHL Output Shaft (B)	(A) 504 12725	740 12725	(A) 843 12725	878 12725	(A) 957 12725	996 12725	-	-	-	-	-	-	-	-	-	-	-	-
301.34	Output RPM	11	6	4	11	6	4	11	6	4	-	-	-	-	-	-	-	-	-
	Input HP (Max) (C)	12.16	6.52	4.32	12.86	6.52	4.32	12.86	6.52	4.32	-	-	-	-	-	-	-	-	-
	Output Torque, In-Lb	66923	70808	70808	70808	70808	70808	70808	70808	70808	-	-	-	-	-	-	-	-	-
	OHL Input Shaft OHL Output Shaft (B)	(A) 518 12725	741 12725	(A) 843 12725	878 12725	(A) 957 12725	996 12725	-	-	-	-	-	-	-	-	-	-	-	-
336.11	Output RPM	10	5	3	10	5	3	-	-	-	-	-	-	-	-	-	-	-	-
	Input HP (Max) (C)	11.03	5.85	3.88	11.53	5.85	3.88	-	-	-	-	-	-	-	-	-	-	-	-
	Output Torque, In-Lb	67736	70808	70808	70808	70808	70808	-	-	-	-	-	-	-	-	-	-	-	-
	OHL Input Shaft OHL Output Shaft (B)	(A) 535 12725	742 12725	(A) 844 12725	878 12725	-	-	-	-	-	-	-	-	-	-	-	-	-	-

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

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QUANTIS

QUANTIS GOLD

ILH

RHB

MSM

IN-LINE HELICAL REDUCER (ILH)

SIZE: H_1682
60 HZ

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

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
4.93	Output RPM	-	-	-	-	-	-	700	355	235	700	355	235	700	355	235
	Input HP (Max) (C)	-	-	-	-	-	-	182.44	92.54	61.34	249.24	136.78	90.42	297.65	158.68	105.18
	Output Torque, In-Lb	-	-	-	-	-	-	16431	16431	16431	22447	24285	24219	26807	28174	28174
	OHL Input Shaft OHL Output Shaft (B)	- -	- -	- -	- -	- -	- -	(A) (A)	1811 17770	2168 17770	(A) (A)	2185 17770	2264 17770	(A) (A)	2138 17770	2595 17770
6.20	Output RPM	-	-	-	556	282	187	556	282	187	556	282	187	556	282	187
	Input HP (Max) (C)	-	-	-	89.66	45.48	30.15	182.60	92.62	61.40	244.76	134.33	88.79	265.70	145.11	99.99
	Output Torque, In-Lb	-	-	-	10155	10155	10155	20682	20682	20682	27722	29995	29911	30094	32402	33683
	OHL Input Shaft OHL Output Shaft (B)	- -	- -	- -	(A) (A)	1524 17770	1586 17770	(A) (A)	1734 17770	2091 17770	(A) (A)	2183 17770	2276 17770	(A) (A)	2110 17770	2527 17770
8.21	Output RPM	-	-	-	-	-	-	420	213	141	420	213	141	420	213	141
	Input HP (Max) (C)	-	-	-	-	-	-	182.59	92.62	61.39	249.44	136.89	90.49	297.90	158.81	105.27
	Output Torque, In-Lb	-	-	-	-	-	-	27385	27385	27385	37412	40475	40365	44679	46956	46956
	OHL Input Shaft OHL Output Shaft (B)	- -	- -	- -	- -	- -	- -	(A) (A)	1811 17770	2168 17770	(A) (A)	2185 17770	2264 17770	(A) (A)	2138 17770	2594 17770
10.34	Output RPM	-	-	-	334	169	112	334	169	112	334	169	112	334	169	112
	Input HP (Max) (C)	-	-	-	89.60	45.45	30.13	182.48	92.56	61.36	244.60	134.24	88.74	265.53	145.02	99.93
	Output Torque, In-Lb	-	-	-	16925	16925	16925	34470	34470	34470	46203	49991	49852	50156	54003	56139
	OHL Input Shaft OHL Output Shaft (B)	- -	- -	- -	(A) (A)	1524 17770	1586 17770	(A) (A)	1734 17770	2091 17770	(A) (A)	2183 17770	2276 17770	(A) (A)	2110 17770	2527 17770
13.27	Output RPM	-	-	-	260	132	87	260	132	87	260	132	87	260	132	87
	Input HP (Max) (C)	-	-	-	89.63	45.47	30.14	182.55	92.60	61.38	229.54	125.37	85.41	230.69	126.00	86.80
	Output Torque, In-Lb	-	-	-	21729	21729	21729	44254	44254	44254	55645	59914	61581	55922	60218	62585
	OHL Input Shaft OHL Output Shaft (B)	- -	- -	- -	(A) (A)	1486 17770	1585 17770	(A) (A)	1625 17770	1982 17770	(A) (A)	2150 17770	2265 17770	(A) (A)	2088 17770	2522 17770
15.44	Output RPM	223	113	75	223	113	75	223	113	75	223	113	75	223	113	75
	Input HP (Max) (C)	60.68	32.58	21.70	89.64	45.47	30.14	182.57	92.61	61.39	208.97	114.16	78.63	210.06	114.71	79.06
	Output Torque, In-Lb	17115	18115	18206	25284	25284	25284	51496	51496	51496	58943	63480	65964	59251	63788	66320
	OHL Input Shaft OHL Output Shaft (B)	(A) 17770	949 17770	988 17770	(A) 17770	1450 17770	1580 17770	(A) 17770	1526 17770	1900 17770	(A) 17770	2108 17770	2262 17770	(A) 17770	2050 17770	2519 17770
17.60	Output RPM	196	99	66	196	99	66	196	99	66	196	99	66	196	99	66
	Input HP (Max) (C)	58.97	31.66	21.32	89.63	45.47	30.14	180.24	92.60	61.38	191.80	104.78	72.18	192.83	105.34	72.57
	Output Torque, In-Lb	18960	20068	20388	28819	28819	28819	57949	58695	58695	61668	66412	69017	61997	66772	69398
	OHL Input Shaft OHL Output Shaft (B)	(A) 17770	946 17770	985 17770	(A) 17770	1413 17770	1585 17770	(A) 17770	1288 17770	1817 17770	(A) 17770	2077 17770	2286 17770	(A) 17770	2018 17770	2513 17770
19.30	Output RPM	179	91	60	179	91	60	179	91	60	179	91	60	179	91	60
	Input HP (Max) (C)	57.57	30.92	20.82	89.64	45.47	30.14	169.85	92.61	61.39	180.11	98.39	67.79	181.09	98.94	68.16
	Output Torque, In-Lb	20298	21489	21829	31605	31605	31605	59885	64369	64369	63504	68388	71083	63848	68768	71472
	OHL Input Shaft OHL Output Shaft (B)	(A) 17770	944 17770	983 17770	(A) 17770	1383 17770	1583 17770	(A) 17770	1101 17770	1738 17770	(A) 17770	2056 17770	2288 17770	(A) 17770	1997 17770	2511 17770

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

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IN-LINE HELICAL REDUCER (ILH)

SIZE: H_1682
60 HZ

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

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
23.26	Output RPM	148	75	50	148	75	50	148	75	50	148	75	50	148	75	50
	Input HP (Max) (C)	54.14	29.07	19.58	89.64	45.47	30.14	150.03	89.62	61.38	157.63	86.11	59.34	158.50	86.59	59.66
	Output Torque, In-Lb	23004	24355	24745	38088	38088	38088	63749	75078	77573	66978	72132	74990	67349	72539	75395
	OHL Input Shaft OHL Output Shaft (B)	(A) 17770	951 17770	990 17770	(A) 17770	1313 17770	1587 17770	(A) 17770	778 17770	1316 17770	(A) 17770	2015 17770	2291 17770	(A) 17770	1957 17770	2506 17770
25.84	Output RPM	134	68	45	134	68	45	134	68	45	134	68	45	134	68	45
	Input HP (Max) (C)	52.09	27.98	18.84	89.47	45.47	30.14	139.01	82.90	57.13	145.73	79.60	54.86	146.53	80.04	55.16
	Output Torque, In-Lb	24588	26039	26453	42233	42311	42311	65621	77147	80214	68793	74075	77016	69169	74486	77443
	OHL Input Shaft OHL Output Shaft (B)	(A) 17770	951 17770	989 17770	(A) 17770	1225 17770	1542 17770	(A) 17770	759 17770	1276 17770	(A) 17770	1998 17770	2271 17770	(A) 17770	1940 17770	2507 17770
29.27	Output RPM	118	60	40	118	60	40	118	60	40	118	60	40	118	60	40
	Input HP (Max) (C)	49.41	26.54	17.88	84.56	45.47	30.14	128.74	75.36	51.93	132.41	72.33	49.86	133.16	72.73	50.13
	Output Torque, In-Lb	26421	27982	28430	45215	47934	47934	68839	79444	82590	70800	76241	79287	71202	76663	79729
	OHL Input Shaft OHL Output Shaft (B)	(A) 17770	948 17770	987 17770	(A) 17770	1035 17770	1481 17770	(A) 17770	737 17770	1255 17770	(A) 17770	1977 17770	2274 17770	(A) 17770	1918 17770	2505 17770
33.88	Output RPM	-	-	-	-	-	-	102	52	34	102	52	34	102	52	34
	Input HP (Max) (C)	-	-	-	-	-	-	115.47	67.16	46.25	117.90	64.42	44.37	118.56	64.76	44.64
	Output Torque, In-Lb	-	-	-	-	-	-	71464	81946	85138	72974	78605	81679	73383	79014	82170
	OHL Input Shaft OHL Output Shaft (B)	- -	- -	- -	- -	- -	- -	17770 17770	739 17770	1257 17770	(A) 17770	1978 17770	2279 17770	(A) 17770	1920 17770	2510 17770
39.45	Output RPM	-	-	-	-	-	-	87	44	29	87	44	29	-	-	-
	Input HP (Max) (C)	-	-	-	-	-	-	103.63	59.30	40.86	104.07	56.85	39.18	-	-	-
	Output Torque, In-Lb	-	-	-	-	-	-	74686	84253	87576	75004	80771	83983	-	-	-
	OHL Input Shaft OHL Output Shaft (B)	- -	- -	- -	- -	- -	- -	(A) 17770	695 17770	1212 17770	(A) 17770	1933 17770	2281 17770	- -	- -	- -
42.09	Output RPM	-	-	-	-	-	-	82	42	28	82	42	28	-	-	-
	Input HP (Max) (C)	-	-	-	-	-	-	98.09	56.20	38.72	98.60	53.86	37.11	-	-	-
	Output Torque, In-Lb	-	-	-	-	-	-	75420	85189	88535	75815	81648	84855	-	-	-
	OHL Input Shaft OHL Output Shaft (B)	- -	- -	- -	- -	- -	- -	(A) 17770	686 17770	1204 17770	(A) 17770	1924 17770	2281 17770	- -	- -	- -
46.61	Output RPM	-	-	-	-	-	-	74	38	25	-	-	-	-	-	-
	Input HP (Max) (C)	-	-	-	-	-	-	83.76	51.55	35.30	-	-	-	-	-	-
	Output Torque, In-Lb	-	-	-	-	-	-	71322	86527	89385	-	-	-	-	-	-
	OHL Input Shaft OHL Output Shaft (B)	- -	- -	- -	- -	- -	- -	(A) 17770	676 17770	1212 17770	- -	- -	- -	- -	- -	- -

(A) (B) (C) - See Footnotes page on inside back cover
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IN-LINE HELICAL REDUCER (ILH)

**SIZE: H_1683
60 HZ**

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

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
40.99	Output RPM	-	-	-	84	43	28	84	43	28	84	43	28	84	43	28
	Input HP (Max) (C)	-	-	-	89.64	45.47	30.14	154.63	83.94	55.64	154.63	83.94	55.64	154.63	83.94	55.64
	Output Torque, In-Lb	-	-	-	67123	67123	67123	115792	123914	123914	115792	123914	123914	115792	123914	123914
	OHL Input Shaft OHL Output Shaft (B)	- -	- -	- -	(A) 17770	1523 17770	1523 17770	(A) 17770	1808 17770	2165 17770	(A) 17770	2188 17770	2283 17770	(A) 17770	2527 17770	2781 17770
53.56	Output RPM	-	-	-	64	33	22	64	33	22	64	33	22	64	33	22
	Input HP (Max) (C)	-	-	-	89.64	45.47	30.14	124.45	64.24	42.58	124.45	64.24	42.58	124.45	64.24	42.58
	Output Torque, In-Lb	-	-	-	87704	87704	87704	121764	123914	123914	121764	123914	123914	121764	123914	123914
	OHL Input Shaft OHL Output Shaft (B)	- -	- -	- -	(A) 17770	1478 17770	1478 17770	(A) 17770	1881 17770	2236 17770	(A) 17770	2204 17770	2297 17770	(A) 17770	2592 17770	2794 17770
63.08	Output RPM	55	28	18	55	28	18	55	28	18	55	28	18	55	28	18
	Input HP (Max) (C)	60.78	32.63	21.70	89.64	45.47	30.14	107.53	54.54	36.16	107.53	54.54	36.16	107.53	54.54	36.16
	Output Torque, In-Lb	70045	74120	74381	103296	103296	103296	123914	123914	123914	123914	123914	123914	123914	123914	123914
	OHL Input Shaft OHL Output Shaft (B)	(A) 17770	949 17770	987 17770	(A) 17770	1440 17770	1440 17770	(A) 17770	1916 17770	2272 17770	(A) 17770	2206 17770	2299 17770	(A) 17770	2627 17770	2797 17770
72.36	Output RPM	48	24	16	48	24	16	48	24	16	48	24	16	-	-	-
	Input HP (Max) (C)	59.07	31.72	21.36	89.63	45.46	30.14	93.74	47.55	31.52	93.74	47.55	31.52	-	-	-
	Output Torque, In-Lb	78080	82664	83960	118478	118478	118478	123914	123914	123914	123914	123914	123914	-	-	-
	OHL Input Shaft OHL Output Shaft (B)	(A) 17770	946 17770	985 17770	(A) 17770	1403 17770	1403 17770	(A) 17770	1941 17770	2298 17770	(A) 17770	2208 17770	2300 17770	-	-	-
79.75	Output RPM	43	22	15	43	22	15	43	22	15	43	22	15	-	-	-
	Input HP (Max) (C)	57.65	30.96	20.85	85.05	43.14	28.60	85.05	43.14	28.60	85.05	43.14	28.60	-	-	-
	Output Torque, In-Lb	83995	88919	90330	123914	123914	123914	123914	123914	123914	123914	123914	123914	-	-	-
	OHL Input Shaft OHL Output Shaft (B)	(A) 17770	944 17770	983 17770	(A) 17770	1395 17770	1395 17770	(A) 17770	1955 17770	2312 17770	(A) 17770	2208 17770	2300 17770	-	-	-
94.30	Output RPM	37	19	12	37	19	12	37	19	12	37	19	12	-	-	-
	Input HP (Max) (C)	54.80	29.43	19.82	71.93	36.49	24.19	71.93	36.49	24.19	71.93	36.49	24.19	-	-	-
	Output Torque, In-Lb	94401	99951	101542	123914	123914	123914	123914	123914	123914	123914	123914	123914	-	-	-
	OHL Input Shaft OHL Output Shaft (B)	(A) 17770	951 17770	990 17770	(A) 17770	1419 17770	1419 17770	(A) 17770	1978 17770	2335 17770	(A) 17770	2193 17770	2285 17770	-	-	-
107.48	Output RPM	32	16	11	32	16	11	32	16	11	32	16	11	-	-	-
	Input HP (Max) (C)	52.27	28.07	18.91	63.11	32.01	21.22	63.11	32.01	21.22	63.11	32.01	21.22	-	-	-
	Output Torque, In-Lb	102629	108672	110411	123914	123914	123914	123914	123914	123914	123914	123914	123914	-	-	-
	OHL Input Shaft OHL Output Shaft (B)	(A) 17770	950 17770	990 17770	(A) 17770	1436 17770	1436 17770	(A) 17770	1993 17770	2350 17770	(A) 17770	2190 17770	2283 17770	-	-	-
123.59	Output RPM	28	14	9	28	14	9	28	14	9	-	-	-	-	-	-
	Input HP (Max) (C)	49.31	26.49	17.84	54.88	27.84	18.45	54.88	27.84	18.45	-	-	-	-	-	-
	Output Torque, In-Lb	111325	117927	119791	123914	123914	123914	123914	123914	123914	-	-	-	-	-	-
	OHL Input Shaft OHL Output Shaft (B)	(A) 17770	948 17770	987 17770	(A) 17770	1451 17770	1451 17770	(A) 17770	2007 17770	2364 17770	-	-	-	-	-	-

(A) (B) (C) - See Footnotes page on inside back cover
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IN-LINE HELICAL REDUCER (ILH)

SIZE: H_1683
60 HZ

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

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
141.28	Output RPM	24	12	8	24	12	8	24	12	8	-	-	-	-	-	-
	Input HP (Max) (C)	46.36	24.35	16.14	48.01	24.35	16.14	48.01	24.35	16.14	-	-	-	-	-	-
	Output Torque, In-Lb	119650	123914	123914	123914	123914	123914	123914	123914	123914	-	-	-	-	-	-
	OHL Input Shaft OHL Output Shaft (B)	(A) 948 17770	948 17770	989 17770	(A) 1463 17770	1463 17770	(A) 2019 17770	2019 17770	2376 17770	2376 17770	-	-	-	-	-	-
163.72	Output RPM	21	11	7	21	11	7	21	11	7	-	-	-	-	-	-
	Input HP (Max) (C)	41.43	21.02	13.93	41.43	21.02	13.93	41.43	21.02	13.93	-	-	-	-	-	-
	Output Torque, In-Lb	123914	123914	123914	123914	123914	123914	123914	123914	123914	-	-	-	-	-	-
	OHL Input Shaft OHL Output Shaft (B)	(A) 952 17770	952 17770	992 17770	(A) 1474 17770	1474 17770	(A) 2030 17770	2030 17770	2387 17770	2387 17770	-	-	-	-	-	-
178.38	Output RPM	19	10	7	19	10	7	-	-	-	-	-	-	-	-	-
	Input HP (Max) (C)	38.03	19.29	12.79	38.03	19.29	12.79	-	-	-	-	-	-	-	-	-
	Output Torque, In-Lb	123914	123914	123914	123914	123914	123914	-	-	-	-	-	-	-	-	-
	OHL Input Shaft OHL Output Shaft (B)	(A) 948 17770	948 17770	988 17770	(A) 1480 17770	1480 17770	1480 17770	-	-	-	-	-	-	-	-	-
198.71	Output RPM	17	9	6	17	9	6	-	-	-	-	-	-	-	-	-
	Input HP (Max) (C)	34.14	17.32	11.48	34.14	17.32	11.48	-	-	-	-	-	-	-	-	-
	Output Torque, In-Lb	123914	123914	123914	123914	123914	123914	-	-	-	-	-	-	-	-	-
	OHL Input Shaft OHL Output Shaft (B)	(A) 951 17770	951 17770	991 17770	(A) 1487 17770	1487 17770	1487 17770	-	-	-	-	-	-	-	-	-
210.49	Output RPM	16	8	6	16	8	6	-	-	-	-	-	-	-	-	-
	Input HP (Max) (C)	32.23	16.35	10.84	32.23	16.35	10.84	-	-	-	-	-	-	-	-	-
	Output Torque, In-Lb	123914	123914	123914	123914	123914	123914	-	-	-	-	-	-	-	-	-
	OHL Input Shaft OHL Output Shaft (B)	(A) 952 17770	952 17770	992 17770	(A) 1491 17770	1491 17770	1491 17770	-	-	-	-	-	-	-	-	-
236.72	Output RPM	15	7	5	15	7	5	-	-	-	-	-	-	-	-	-
	Input HP (Max) (C)	28.65	14.53	9.63	28.65	14.53	9.63	-	-	-	-	-	-	-	-	-
	Output Torque, In-Lb	123914	123914	123914	123914	123914	123914	-	-	-	-	-	-	-	-	-
	OHL Input Shaft OHL Output Shaft (B)	(A) 954 17770	954 17770	994 17770	(A) 1497 17770	1497 17770	1497 17770	-	-	-	-	-	-	-	-	-
253.08	Output RPM	14	7	5	14	7	5	-	-	-	-	-	-	-	-	-
	Input HP (Max) (C)	26.80	13.60	9.01	26.80	13.60	9.01	-	-	-	-	-	-	-	-	-
	Output Torque, In-Lb	123914	123914	123914	123914	123914	123914	-	-	-	-	-	-	-	-	-
	OHL Input Shaft OHL Output Shaft (B)	(A) 955 17770	955 17770	995 17770	(A) 1500 17770	1500 17770	1500 17770	-	-	-	-	-	-	-	-	-
268.29	Output RPM	13	7	4	-	-	-	-	-	-	-	-	-	-	-	-
	Input HP (Max) (C)	25.28	12.82	8.50	-	-	-	-	-	-	-	-	-	-	-	-
	Output Torque, In-Lb	123914	123914	123914	-	-	-	-	-	-	-	-	-	-	-	-
	OHL Input Shaft OHL Output Shaft (B)	(A) 956 17770	956 17770	995 17770	-	-	-	-	-	-	-	-	-	-	-	-

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

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QUANTIS

QUANTIS GOLD

ILH

RHB

MSM

SELECTION



IN-LINE HELICAL REDUCER (ILH)

SIZE: H_1683
60 HZ

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

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
289.23	Output RPM	12	6	4	-	-	-	-	-	-	-	-	-	-	-	-
	Input HP (Max) (C)	23.45	11.90	7.89	-	-	-	-	-	-	-	-	-	-	-	-
	Output Torque, In-Lb	123914	123914	123914	-	-	-	-	-	-	-	-	-	-	-	-
	OHL Input Shaft OHL Output Shaft (B)	(A) 17770	956 17770	996 17770	-	-	-	-	-	-	-	-	-	-	-	-
313.41	Output RPM	11	6	4	-	-	-	-	-	-	-	-	-	-	-	-
	Input HP (Max) (C)	21.64	10.98	7.28	-	-	-	-	-	-	-	-	-	-	-	-
	Output Torque, In-Lb	123914	123914	123914	-	-	-	-	-	-	-	-	-	-	-	-
	OHL Input Shaft OHL Output Shaft (B)	(A) 17770	957 17770	996 17770	-	-	-	-	-	-	-	-	-	-	-	-
341.61	Output RPM	10	5	3	-	-	-	-	-	-	-	-	-	-	-	-
	Input HP (Max) (C)	18.82	10.07	6.68	-	-	-	-	-	-	-	-	-	-	-	-
	Output Torque, In-Lb	117453	123914	123914	-	-	-	-	-	-	-	-	-	-	-	-
	OHL Input Shaft OHL Output Shaft (B)	(A) 17770	957 17770	997 17770	-	-	-	-	-	-	-	-	-	-	-	-

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