

Three Phase
Selection Table
Helical Inline Gear Motors



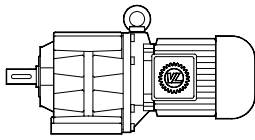
0.10 HP

Output Speed (rpm)	Ratio	Output Torque (lb.in)	Service Factor	Model	Max OHL (lbf)	Weight (lbs)
46	35.00	135	2.0	VLH05/T0441	182	11
42	38.18	147	1.8	"	191	"
41	39.94	154	1.7	"	193	"
37	43.57	168	1.6	"	202	"
34	47.00	181	1.5	"	209	"
32	51.27	198	1.3	"	218	"
30	53.44	206	1.3	"	220	"
28	58.30	225	1.2	"	225	"
429	3.78	15	12.1	VLH06/T0441	117	14
357	4.54	17	11.1	"	119	"
272	5.96	23	9.2	"	128	"
231	7.01	27	8.5	"	130	"
193	8.39	32	7.7	"	135	"
173	9.38	36	7.3	"	144	"
158	10.24	39	7.0	"	144	"
144	11.28	43	6.5	"	151	"
132	12.30	47	6.2	"	151	"
125	12.98	50	5.8	"	135	"
110	14.78	57	5.3	"	164	"
100	16.13	62	5.0	"	166	"
93	17.40	67	5.0	"	171	"
85	18.98	73	4.8	"	173	"
78	20.82	80	4.4	"	180	"
71	22.71	88	4.3	"	182	"
64	25.48	98	4.1	"	191	"
58	27.80	107	3.7	"	189	"
50	32.22	124	3.2	"	200	"
46	35.15	135	2.9	"	198	"
44	36.91	142	2.8	"	200	"
40	40.26	155	2.6	"	200	"
35	46.19	178	2.2	"	200	"
32	50.38	194	2.1	"	211	"
31	52.56	203	2.0	"	214	"
28	57.34	221	1.8	"	225	"
26	61.22	236	1.7	"	229	"
24	66.79	257	1.5	"	241	"

0.12 HP

444	3.65	17	2.6	VLH04/T0442	88	10
369	4.39	20	3.1	"	85	"
302	5.36	25	3.2	"	85	"
243	6.67	31	2.9	"	92	"
189	8.58	40	2.5	"	92	"
180	9.00	42	2.6	"	106	"
164	9.90	46	2.5	"	108	"
150	10.82	50	2.5	"	108	"
136	11.90	55	2.4	"	110	"
129	12.55	58	2.3	"	110	"
123	13.20	61	2.3	"	112	"

Slower Speeds on Request



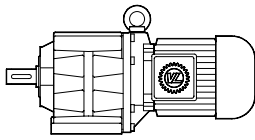
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0.12 HP

Output Speed (rpm)	Ratio	Output Torque (lb.in)	Service Factor	Model	Max OHL (lbf)	Weight (lbs)
112	14.52	67	2.2	VLH04/T0442	115	10
99	16.44	76	2.1	"	119	"
90	18.08	84	1.9	"	121	"
77	21.12	98	1.7	"	126	"
70	23.23	107	1.6	"	135	"
66	24.45	113	1.6	"	137	"
60	26.89	124	1.4	"	146	"
52	30.91	143	1.2	"	155	"
48	34.00	157	1.1	"	162	"
46	35.35	163	1.1	"	164	"
42	38.89	180	1.0	"	169	"
38	42.24	195	0.9	"	169	"
35	46.47	215	0.8	"	169	"
34	47.52	220	0.8	"	169	"
31	52.28	242	0.7	"	169	"
29	54.97	254	0.7	"	169	"
479	3.38	16	5.7	VLH05/T0442	103	11
353	4.59	21	5.0	"	110	"
297	5.46	25	4.9	"	110	"
245	6.60	31	4.6	"	115	"
208	7.80	36	4.4	"	119	"
199	8.15	38	4.2	"	115	"
190	8.51	39	4.3	"	124	"
156	10.40	48	3.5	"	115	"
153	10.59	49	3.6	"	133	"
140	11.55	53	3.5	"	135	"
134	12.05	56	3.3	"	115	"
129	12.60	58	3.3	"	137	"
118	13.75	64	3.2	"	142	"
106	15.23	70	3.0	"	144	"
97	16.62	77	2.9	"	148	"
86	18.82	87	2.6	"	153	"
79	20.53	95	2.5	"	157	"
68	24.00	111	2.2	"	166	"
62	26.18	121	2.1	"	171	"
58	27.82	129	2.1	"	173	"
53	30.35	140	1.9	"	171	"
46	35.00	162	1.6	"	182	"
42	38.18	177	1.5	"	191	"
41	39.94	185	1.4	"	193	"
37	43.57	202	1.3	"	202	"
34	47.00	217	1.2	"	209	"
32	51.27	237	1.1	"	218	"
30	53.44	247	1.1	"	220	"
28	58.30	270	1.0	"	225	"

Slower Speeds on Request



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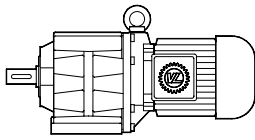
0.12 HP

Output Speed (rpm)	Ratio	Output Torque (lb.in)	Service Factor	Model	Max OHL (lbf)	Weight (lbs)
429	3.78	17	10.1	VLH06/T0442	117	14
357	4.54	21	9.3	"	119	"
272	5.96	28	7.7	"	128	"
231	7.01	32	7.1	"	130	"
193	8.39	39	6.4	"	135	"
173	9.38	43	6.1	"	144	"
158	10.24	47	5.8	"	144	"
144	11.28	52	5.4	"	151	"
132	12.30	57	5.1	"	151	"
125	12.98	60	4.9	"	135	"
110	14.78	68	4.4	"	164	"
100	16.13	75	4.2	"	166	"
93	17.40	80	4.2	"	171	"
85	18.98	88	4.0	"	173	"
78	20.82	96	3.7	"	180	"
71	22.71	105	3.6	"	182	"
64	25.48	118	3.4	"	191	"
58	27.80	129	3.1	"	189	"
50	32.22	149	2.7	"	200	"
46	35.15	163	2.4	"	198	"
44	36.91	171	2.3	"	200	"
40	40.26	186	2.1	"	200	"
35	46.19	214	1.9	"	200	"
32	50.38	233	1.7	"	211	"
31	52.56	243	1.6	"	214	"
28	57.34	265	1.5	"	225	"
26	61.22	283	1.4	"	229	"
24	66.79	309	1.3	"	241	"

0.15 HP

444	3.65	21	2.1	VLH04/T0443	88	11
369	4.39	25	2.5	"	85	"
302	5.36	30	2.6	"	85	"
243	6.67	38	2.3	"	92	"
189	8.58	49	2.0	"	92	"
180	9.00	51	2.1	"	106	"
164	9.90	56	2.1	"	108	"
150	10.82	61	2.0	"	108	"
136	11.90	67	2.0	"	110	"
129	12.55	71	1.9	"	110	"
123	13.20	75	1.9	"	112	"
112	14.52	82	1.8	"	115	"
99	16.44	93	1.7	"	119	"
90	18.08	102	1.6	"	121	"
77	21.12	119	1.4	"	126	"
70	23.23	131	1.3	"	135	"
66	24.45	138	1.3	"	137	"
60	26.89	152	1.2	"	146	"
52	30.91	175	1.0	"	155	"
48	34.00	192	0.9	"	162	"
46	35.35	200	0.9	"	164	"

Slower Speeds on Request



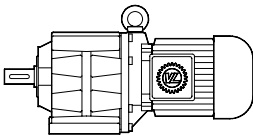
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0.15 HP

Output Speed (rpm)	Ratio	Output Torque (lb.in)	Service Factor	Model	Max OHL (lbf)	Weight (lbs)
42	38.89	220	0.8	VLH04/T0443	169	10
38	42.24	239	0.7	"	169	"
35	46.47	263	0.7	"	169	"
34	47.52	269	0.7	"	169	"
479	3.38	19	4.6	VLH05/T0443	103	11
353	4.59	26	4.1	"	110	"
297	5.46	31	4.0	"	110	"
245	6.60	37	3.8	"	115	"
208	7.80	44	3.6	"	119	"
199	8.15	46	3.5	"	115	"
190	8.51	48	3.5	"	124	"
156	10.40	59	2.9	"	115	"
153	10.59	60	3.0	"	133	"
140	11.55	65	2.8	"	135	"
134	12.05	68	2.7	"	115	"
129	12.60	71	2.7	"	137	"
118	13.75	78	2.6	"	142	"
106	15.23	86	2.5	"	144	"
97	16.62	94	2.4	"	148	"
86	18.82	106	2.2	"	153	"
79	20.53	116	2.1	"	157	"
68	24.00	136	1.8	"	166	"
62	26.18	148	1.7	"	171	"
58	27.82	157	1.7	"	173	"
53	30.35	172	1.5	"	171	"
46	35.00	198	1.3	"	182	"
42	38.18	216	1.2	"	191	"
41	39.94	226	1.2	"	193	"
37	43.57	246	1.1	"	202	"
34	47.00	266	1.0	"	209	"
32	51.27	290	0.9	"	218	"
30	53.44	302	0.9	"	220	"
28	58.30	330	0.8	"	225	"
429	3.78	21	8.3	VLH06/T0443	117	14
357	4.54	26	7.6	"	119	"
272	5.96	34	6.3	"	128	"
231	7.01	40	5.8	"	130	"
193	8.39	47	5.2	"	135	"
173	9.38	53	5.0	"	144	"
158	10.24	58	4.7	"	144	"
144	11.28	64	4.4	"	151	"
132	12.30	70	4.2	"	151	"
125	12.98	73	4.0	"	135	"
110	14.78	84	3.6	"	164	"
100	16.13	91	3.4	"	166	"
93	17.40	98	3.4	"	171	"
85	18.98	107	3.3	"	173	"
78	20.82	118	3.0	"	180	"
71	22.71	128	3.0	"	182	"

Slower Speeds on Request



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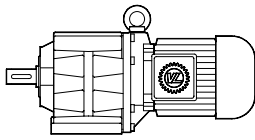
0.15 HP

Output Speed (rpm)	Ratio	Output Torque (lb.in)	Service Factor	Model	Max OHL (lbf)	Weight (lbs)
64	25.48	144	2.8	VLH06/T0443	191	14
58	27.80	157	2.5	"	189	"
50	32.22	182	2.2	"	200	"
46	35.15	199	2.0	"	198	"
44	36.91	209	1.9	"	200	"
40	40.26	228	1.7	"	200	"
35	46.19	261	1.5	"	200	"
32	50.38	285	1.4	"	211	"
31	52.56	297	1.3	"	214	"
28	57.34	324	1.2	"	225	"
26	61.22	346	1.2	"	229	"
24	66.79	378	1.1	"	241	"

0.25 HP

479	3.38	31	2.8	VLH05/T0541	103	15
353	4.59	42	2.5	"	110	"
297	5.46	51	2.5	"	110	"
245	6.60	61	2.3	"	115	"
208	7.80	72	2.2	"	119	"
199	8.15	75	2.1	"	115	"
190	8.51	79	2.1	"	124	"
156	10.40	96	1.7	"	115	"
153	10.59	98	1.8	"	133	"
140	11.55	107	1.7	"	135	"
134	12.05	111	1.7	"	115	"
129	12.60	117	1.7	"	137	"
118	13.75	127	1.6	"	142	"
106	15.23	141	1.5	"	144	"
97	16.62	154	1.4	"	148	"
86	18.82	174	1.3	"	153	"
79	20.53	190	1.3	"	157	"
68	24.00	222	1.1	"	166	"
62	26.18	242	1.1	"	171	"
58	27.82	257	1.0	"	173	"
53	30.35	281	0.9	"	171	"
46	35.00	324	0.8	"	182	"
42	38.18	353	0.8	"	191	"
41	39.94	369	0.7	"	193	"
37	43.57	403	0.7	"	202	"
429	3.78	35	5.1	VLH06/T0541	117	18
357	4.54	42	4.6	"	119	"
272	5.96	55	3.9	"	128	"
231	7.01	65	3.5	"	130	"
193	8.39	78	3.2	"	135	"
173	9.38	87	3.1	"	144	"
158	10.24	95	2.9	"	144	"
144	11.28	104	2.7	"	151	"
132	12.30	114	2.6	"	151	"
125	12.98	120	2.4	"	135	"
110	14.78	137	2.2	"	164	"

Slower Speeds on Request



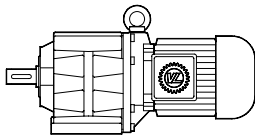
Three Phase
Selection Table
Helical Inline Gear Motors



0.25 HP

Output Speed (rpm)	Ratio	Output Torque (lb.in)	Service Factor	Model	Max OHL (lbf)	Weight (lbs)
100	16.13	149	2.1	VLH06/T0541	166	18
93	17.40	161	2.1	"	171	"
85	18.98	176	2.0	"	173	"
78	20.82	193	1.8	"	180	"
71	22.71	210	1.8	"	182	"
64	25.48	236	1.7	"	191	"
58	27.80	257	1.5	"	189	"
50	32.22	298	1.3	"	200	"
46	35.15	325	1.2	"	198	"
44	36.91	341	1.2	"	200	"
40	40.26	372	1.1	"	200	"
35	46.19	427	0.9	"	200	"
32	50.38	466	0.9	"	211	"
31	52.56	486	0.8	"	214	"
28	57.34	530	0.8	"	225	"
26	61.22	566	0.7	"	229	"
372	4.36	40	11.4	VLH10/T0641	146	29
303	5.34	49	10.2	"	139	"
239	6.78	63	8.7	"	148	"
201	8.07	75	7.9	"	148	"
174	9.33	86	7.5	"	214	"
157	10.34	96	6.9	"	225	"
136	11.92	110	6.4	"	232	"
123	13.21	122	6.0	"	241	"
111	14.58	135	5.6	"	247	"
100	16.15	149	5.3	"	256	"
88	18.51	171	4.7	"	272	"
79	20.51	190	4.2	"	290	"
74	22.04	204	3.9	"	299	"
66	24.42	226	3.5	"	317	"
62	26.26	243	3.3	"	328	"
56	29.09	269	3.0	"	346	"
51	31.52	292	2.7	"	360	"
46	34.92	323	2.5	"	380	"
41	39.70	367	2.2	"	400	"
37	43.99	407	2.0	"	423	"
35	46.55	431	1.8	"	432	"
31	51.57	477	1.7	"	450	"
28	57.48	532	1.5	"	450	"
25	63.69	589	1.4	"	450	"
25	66.00	610	1.3	"	450	"
22	73.13	676	1.2	"	450	"
21	77.40	716	1.2	VLH10Z/T0641	450	31
19	85.76	793	1.1	"	450	"
18	92.19	853	1.0	"	450	"
16	102.10	944	0.9	"	450	"
15	109.80	1016	0.9	"	450	"
13	121.70	1126	0.8	"	450	"
12	131.80	1219	0.7	"	450	"
11	146.00	1350	0.7	"	450	"

Slower Speeds on Request



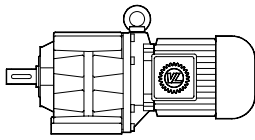
Three Phase
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0.25 HP

Output Speed (rpm)	Ratio	Output Torque (lb.in)	Service Factor	Model	Max OHL (lbf)	Weight (lbs)
295	5.49	51	17.1	VLH20/T0641	472	35
250	6.48	60	15.4	"	506	"
195	8.29	77	12.0	"	506	"
168	9.65	89	10.3	"	506	"
123	13.21	122	10.3	"	652	"
110	14.67	136	9.6	"	686	"
104	15.58	144	9.3	"	697	"
94	17.31	160	8.6	"	719	"
81	19.95	185	8.0	"	753	"
73	22.16	205	7.3	"	787	"
70	23.22	215	7.0	"	798	"
63	25.79	239	6.3	"	832	"
58	27.85	258	5.8	"	854	"
52	30.94	286	5.3	"	899	"
49	33.33	308	4.9	"	922	"
44	37.02	342	4.4	"	967	"
39	41.76	386	3.9	"	1012	"
35	46.38	429	3.5	"	1057	"
34	47.92	443	3.4	"	1068	"
30	53.22	492	3.1	"	1113	"
27	59.07	546	2.8	"	1113	"
25	65.62	607	2.5	"	1113	"
24	67.53	625	2.4	"	1113	"
22	75.00	694	2.2	VLH20Z/T0641	1113	37
21	78.60	727	2.1	"	1113	"
19	87.30	808	1.9	"	1113	"
17	94.27	872	1.7	"	1113	"
15	104.70	968	1.6	"	1113	"
14	112.80	1043	1.4	"	1113	"
13	125.30	1159	1.3	"	1113	"
11	141.30	1307	1.2	"	1113	"
10.3	157.00	1452	1.0	"	1113	"
10.0	162.20	1500	1.0	"	1113	"
9.0	180.10	1666	0.9	"	1113	"
8.1	199.90	1849	0.8	"	1113	"
7.3	222.10	2054	0.7	"	1113	"
240	6.75	62	25.7	VLH30/T0641	396	44
205	7.91	73	21.9	"	396	"
95	17.06	158	14.0	"	832	"
86	18.93	175	12.6	"	922	"
81	19.99	185	12.0	"	944	"
73	22.18	205	10.8	"	1034	"
64	25.45	235	9.4	"	1090	"
57	28.24	261	8.5	"	1146	"
54	29.83	276	8.0	"	1169	"
49	33.09	306	7.2	"	1214	"
46	35.17	325	6.8	"	1236	"
42	39.02	361	6.1	"	1304	"
38	42.46	393	5.6	"	1326	"

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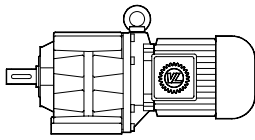
0.25 HP

Output Speed (rpm)	Ratio	Output Torque (lb.in)	Service Factor	Model	Max OHL (lbf)	Weight (lbs)
34	47.11	436	5.1	VLH30/T0641	1349	44
31	52.44	485	4.6	"	1349	"
28	58.18	538	4.1	"	1349	"
27	60.79	562	3.9	"	1349	"
24	67.44	624	3.5	"	1349	"
22	73.51	680	3.3	VLH30Z/T0641	1349	49
20	81.55	754	2.9	"	1349	"
19	86.13	797	2.8	"	1349	"
17	95.55	884	2.5	"	1349	"
15	109.60	1014	2.2	"	1349	"
13	121.60	1125	2.0	"	1349	"
13	128.50	1189	1.9	"	1349	"
11	142.50	1318	1.7	"	1349	"
10.7	151.50	1401	1.6	"	1349	"
9.6	168.10	1555	1.4	"	1349	"
8.9	182.90	1692	1.3	"	1349	"
8.0	202.90	1877	1.2	"	1349	"
7.2	225.90	2090	1.1	"	1349	"
6.5	250.60	2318	1.0	"	1349	"
6.2	261.90	2423	0.9	"	1349	"
5.6	290.50	2687	0.8	"	1349	"
24	67.74	627	5.2	VLH40Z/T0641	1574	84
22	75.19	696	4.7	"	1574	"
20	82.00	758	4.3	"	1574	"
18	91.02	842	3.9	"	1574	"
17	96.86	896	3.7	"	1574	"
15	107.50	994	3.3	"	1574	"
13	121.30	1122	2.9	"	1574	"
12	134.60	1245	2.6	"	1574	"
11	141.40	1308	2.5	"	1574	"
10.3	156.90	1451	2.3	"	1574	"
9.8	166.10	1536	2.1	"	1574	"
8.8	184.40	1706	1.9	"	1574	"
8.1	199.90	1849	1.8	"	1574	"
7.3	221.90	2053	1.6	"	1574	"
6.6	246.50	2280	1.4	"	1574	"
5.9	273.60	2531	1.3	"	1574	"

0.33 HP

479	3.38	43	2.0	VLH05/T0542	103	15
353	4.59	59	1.8	"	110	"
297	5.46	70	1.8	"	110	"
245	6.60	85	1.7	"	115	"
208	7.80	100	1.6	"	119	"
199	8.15	105	1.5	"	115	"
190	8.51	109	1.5	"	124	"
156	10.40	134	1.3	"	115	"
153	10.59	136	1.3	"	133	"
140	11.55	148	1.3	"	135	"

Slower Speeds on Request



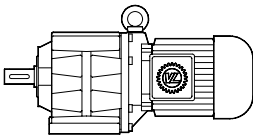
Three Phase
Selection Table
Helical Inline Gear Motors



0.33 HP

Output Speed (rpm)	Ratio	Output Torque (lb.in)	Service Factor	Model	Max OHL (lbf)	Weight (lbs)
134	12.05	155	1.2	VLH05/T0542	115	15
129	12.60	162	1.2	"	137	"
118	13.75	177	1.2	"	142	"
106	15.23	196	1.1	"	144	"
97	16.62	214	1.0	"	148	"
86	18.82	242	1.0	"	153	"
79	20.53	264	0.9	"	157	"
68	24.00	308	0.8	"	166	"
62	26.18	336	0.8	"	171	"
58	27.82	357	0.7	"	173	"
53	30.35	390	0.7	"	171	"
429	3.78	49	3.6	VLH06/T0542	117	18
357	4.54	58	3.3	"	119	"
272	5.96	77	2.8	"	128	"
231	7.01	90	2.6	"	130	"
193	8.39	108	2.3	"	135	"
173	9.38	121	2.2	"	144	"
158	10.24	132	2.1	"	144	"
144	11.28	145	2.0	"	151	"
132	12.30	158	1.8	"	151	"
125	12.98	167	1.8	"	135	"
110	14.78	190	1.6	"	164	"
100	16.13	207	1.5	"	166	"
93	17.40	224	1.5	"	171	"
85	18.98	244	1.5	"	173	"
78	20.82	267	1.3	"	180	"
71	22.71	292	1.3	"	182	"
64	25.48	327	1.2	"	191	"
58	27.80	357	1.1	"	189	"
50	32.22	414	1.0	"	200	"
46	35.15	452	0.9	"	198	"
44	36.91	474	0.8	"	200	"
40	40.26	517	0.8	"	200	"
35	46.19	593	0.7	"	200	"
372	4.36	56	8.2	VLH10/T0642	146	29
303	5.34	69	7.4	"	139	"
239	6.78	87	6.3	"	148	"
201	8.07	104	5.7	"	148	"
174	9.33	120	5.4	"	214	"
157	10.34	133	5.0	"	225	"
136	11.92	153	4.6	"	232	"
123	13.21	170	4.3	"	241	"
111	14.58	187	4.1	"	247	"
100	16.15	207	3.8	"	256	"
88	18.51	238	3.3	"	272	"
79	20.51	263	3.0	"	290	"
74	22.04	283	2.8	"	299	"
66	24.42	314	2.5	"	317	"
62	26.26	337	2.4	"	328	"

Slower Speeds on Request



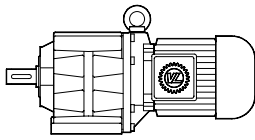
Three Phase
Selection Table
Helical Inline Gear Motors



0.33 HP

Output Speed (rpm)	Ratio	Output Torque (lb.in)	Service Factor	Model	Max OHL (lbf)	Weight (lbs)
56	29.09	374	2.1	VLH10/T0642	346	26
51	31.52	405	2.0	"	360	"
46	34.92	449	1.8	"	380	"
41	39.70	510	1.6	"	400	"
37	43.99	565	1.4	"	423	"
35	46.55	598	1.3	"	432	"
31	51.57	663	1.2	"	450	"
28	57.48	738	1.1	"	450	"
25	63.69	818	1.0	"	450	"
25	66.00	848	0.9	"	450	"
22	73.13	940	0.8	"	450	"
21	77.40	994	0.9	VLH10Z/T0642	450	29
19	85.76	1102	0.8	"	450	"
18	92.19	1184	0.7	"	450	"
16	102.10	1312	0.7	"	450	"
295	5.49	71	12.3	VLH20/T0642	472	32
250	6.48	83	11.1	"	506	"
195	8.29	107	8.6	"	506	"
168	9.65	124	7.4	"	506	"
123	13.21	170	7.4	"	652	"
110	14.67	188	6.9	"	686	"
104	15.58	200	6.7	"	697	"
94	17.31	222	6.2	"	719	"
81	19.95	256	5.7	"	753	"
73	22.16	285	5.3	"	787	"
70	23.22	298	5.0	"	798	"
63	25.79	331	4.5	"	832	"
58	27.85	358	4.2	"	854	"
52	30.94	397	3.8	"	899	"
49	33.33	428	3.5	"	922	"
44	37.02	476	3.2	"	967	"
39	41.76	536	2.8	"	1012	"
35	46.38	596	2.5	"	1057	"
34	47.92	616	2.4	"	1068	"
30	53.22	684	2.2	"	1113	"
27	59.07	759	2.0	"	1113	"
25	65.62	843	1.8	"	1113	"
24	67.53	868	1.7	"	1113	"
22	75.00	964	1.6	VLH20Z/T0642	1113	34
21	78.60	1010	1.5	"	1113	"
19	87.30	1122	1.3	"	1113	"
17	94.27	1211	1.2	"	1113	"
15	104.70	1345	1.1	"	1113	"
14	112.80	1449	1.0	"	1113	"
13	125.30	1610	0.9	"	1113	"
11	141.30	1815	0.8	"	1113	"
10.3	157.00	2017	0.7	"	1113	"
10.0	162.20	2084	0.7	"	1113	"
9.0	180.10	2314	0.7	"	1113	"

Slower Speeds on Request



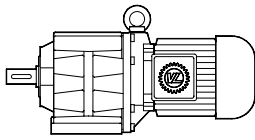
Three Phase
Selection Table
Helical Inline Gear Motors



0.33 HP

Output Speed (rpm)	Ratio	Output Torque (lb.in)	Service Factor	Model	Max OHL (lbf)	Weight (lbs)
240	6.75	87	18.5	VLH30/T0642	396	44
205	7.91	102	15.8	"	396	"
95	17.06	219	10.1	"	832	"
86	18.93	243	9.1	"	922	"
81	19.99	257	8.6	"	944	"
73	22.18	285	7.8	"	1034	"
64	25.45	327	6.8	"	1090	"
57	28.24	363	6.1	"	1146	"
54	29.83	383	5.8	"	1169	"
49	33.09	425	5.2	"	1214	"
46	35.17	452	4.9	"	1236	"
42	39.02	501	4.4	"	1304	"
38	42.46	545	4.1	"	1326	"
34	47.11	605	3.7	"	1349	"
31	52.44	674	3.3	"	1349	"
28	58.18	747	3.0	"	1349	"
27	60.79	781	2.8	"	1349	"
24	67.44	866	2.6	"	1349	"
22	73.51	944	2.3	VLH30Z/T0642	1349	49
20	81.55	1048	2.1	"	1349	"
19	86.13	1107	2.0	"	1349	"
17	95.55	1228	1.8	"	1349	"
15	109.60	1408	1.6	"	1349	"
13	121.60	1562	1.4	"	1349	"
13	128.50	1651	1.3	"	1349	"
11	142.50	1831	1.2	"	1349	"
10.7	151.50	1946	1.1	"	1349	"
9.6	168.10	2160	1.0	"	1349	"
8.9	182.90	2350	0.9	"	1349	"
8.0	202.90	2607	0.8	"	1349	"
7.2	225.90	2902	0.8	"	1349	"
6.5	250.60	3220	0.7	"	1349	"
6.2	261.90	3365	0.7	"	1349	"
24	67.74	870	3.8	VLH40Z/T0642	1574	84
22	75.19	966	3.4	"	1574	"
20	82.00	1053	3.1	"	1574	"
18	91.02	1169	2.8	"	1574	"
17	96.86	1244	2.6	"	1574	"
15	107.50	1381	2.4	"	1574	"
13	121.30	1558	2.1	"	1574	"
12	134.60	1729	1.9	"	1574	"
11	141.40	1817	1.8	"	1574	"
10.3	156.90	2016	1.6	"	1574	"
9.8	166.10	2134	1.5	"	1574	"
8.8	184.40	2369	1.4	"	1574	"
8.1	199.90	2568	1.3	"	1574	"
7.3	221.90	2851	1.1	"	1574	"
6.6	246.50	3167	1.0	"	1574	"
5.9	273.60	3515	0.9	"	1574	"

Slower Speeds on Request



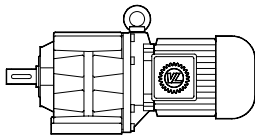
Three Phase
Selection Table
Helical Inline Gear Motors



0.50 HP

Output Speed (rpm)	Ratio	Output Torque (lb.in)	Service Factor	Model	Max OHL (lbf)	Weight (lbs)
479	3.38	64	1.4	VLH05/T0643	103	19
353	4.59	87	1.2	"	110	"
297	5.46	104	1.2	"	110	"
245	6.60	125	1.1	"	115	"
208	7.80	148	1.1	"	119	"
199	8.15	155	1.0	"	115	"
190	8.51	162	1.0	"	124	"
156	10.40	198	0.9	"	115	"
153	10.59	201	0.9	"	133	"
140	11.55	220	0.8	"	135	"
134	12.05	229	0.8	"	115	"
129	12.60	240	0.8	"	137	"
118	13.75	261	0.8	"	142	"
106	15.23	290	0.7	"	144	"
97	16.62	316	0.7	"	148	"
429	3.78	72	2.5	VLH06/T0643	117	21
357	4.54	86	2.3	"	119	"
272	5.96	113	1.9	"	128	"
231	7.01	133	1.7	"	130	"
193	8.39	160	1.6	"	135	"
173	9.38	178	1.5	"	144	"
158	10.24	195	1.4	"	144	"
144	11.28	214	1.3	"	151	"
132	12.30	234	1.2	"	151	"
125	12.98	247	1.2	"	135	"
110	14.78	281	1.1	"	164	"
100	16.13	307	1.0	"	166	"
93	17.40	331	1.0	"	171	"
85	18.98	361	1.0	"	173	"
78	20.82	396	0.9	"	180	"
71	22.71	432	0.9	"	182	"
64	25.48	484	0.8	"	191	"
58	27.80	529	0.8	"	189	"
50	32.22	613	0.7	"	200	"
372	4.36	83	5.6	VLH10/T0643	146	29
303	5.34	102	5.0	"	139	"
239	6.78	129	4.3	"	148	"
201	8.07	153	3.9	"	148	"
174	9.33	177	3.6	"	214	"
157	10.34	197	3.4	"	225	"
136	11.92	227	3.1	"	232	"
123	13.21	251	2.9	"	241	"
111	14.58	277	2.7	"	247	"
100	16.15	307	2.6	"	256	"
88	18.51	352	2.3	"	272	"
79	20.51	390	2.0	"	290	"
74	22.04	419	1.9	"	299	"
66	24.42	464	1.7	"	317	"
62	26.26	499	1.6	"	328	"
56	29.09	553	1.4	"	346	"

Slower Speeds on Request



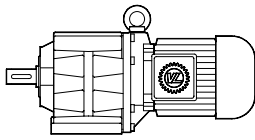
Three Phase
Selection Table
Helical Inline Gear Motors



0.50 HP

Output Speed (rpm)	Ratio	Output Torque (lb.in)	Service Factor	Model	Max OHL (lbf)	Weight (lbs)
51	31.52	599	1.3	VLH10/T0643	360	29
46	34.92	664	1.2	"	380	"
41	39.70	755	1.1	"	400	"
37	43.99	836	1.0	"	423	"
35	46.55	885	0.9	"	432	"
31	51.57	981	0.8	"	450	"
28	57.48	1093	0.7	"	450	"
25	63.69	1211	0.7	"	450	"
295	5.49	104	8.3	VLH20/T0643	472	35
250	6.48	123	7.5	"	506	"
195	8.29	158	5.8	"	506	"
168	9.65	183	5.0	"	506	"
123	13.21	251	5.0	"	652	"
110	14.67	279	4.7	"	686	"
104	15.58	296	4.5	"	697	"
94	17.31	329	4.2	"	719	"
81	19.95	379	3.9	"	753	"
73	22.16	421	3.6	"	787	"
70	23.22	442	3.4	"	798	"
63	25.79	490	3.1	"	832	"
58	27.85	530	2.8	"	854	"
52	30.94	588	2.6	"	899	"
49	33.33	634	2.4	"	922	"
44	37.02	704	2.1	"	967	"
39	41.76	794	1.9	"	1012	"
35	46.38	882	1.7	"	1057	"
34	47.92	911	1.7	"	1068	"
30	53.22	1012	1.5	"	1113	"
27	59.07	1123	1.3	"	1113	"
25	65.62	1248	1.2	"	1113	"
24	67.53	1284	1.2	"	1113	"
22	75.00	1426	1.1	"	1113	"
21	78.60	1494	1.0	"	1113	"
19	87.30	1660	0.9	"	1113	"
17	94.27	1792	0.8	"	1113	"
15	104.70	1991	0.8	"	1113	"
14	112.80	2145	0.7	"	1113	"
240	6.75	128	12.5	VLH30/T0643	396	44
205	7.91	150	10.7	"	396	"
95	17.06	324	6.8	"	832	"
86	18.93	360	6.1	"	922	"
81	19.99	380	5.8	"	944	"
73	22.18	422	5.2	"	1034	"
64	25.45	484	4.6	"	1090	"
57	28.24	537	4.1	"	1146	"
54	29.83	567	3.9	"	1169	"
49	33.09	629	3.5	"	1214	"
46	35.17	669	3.3	"	1236	"
42	39.02	742	3.0	"	1304	"
38	42.46	807	2.7	"	1326	"

Slower Speeds on Request



Three Phase
Selection Table
Helical Inline Gear Motors



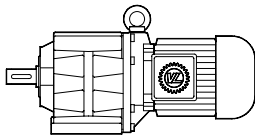
0.50 HP

Output Speed (rpm)	Ratio	Output Torque (lb.in)	Service Factor	Model	Max OHL (lbf)	Weight (lbs)
34	47.11	896	2.5	VLH30/T0643	1349	44
31	52.44	997	2.2	"	1349	"
28	58.18	1106	2.0	"	1349	"
27	60.79	1156	1.9	"	1349	"
24	67.44	1282	1.7	"	1349	"
22	73.51	1398	1.6	VLH30Z/T0643	1349	49
20	81.55	1551	1.4	"	1349	"
19	86.13	1638	1.4	"	1349	"
17	95.55	1817	1.2	"	1349	"
15	109.60	2084	1.1	"	1349	"
13	121.60	2312	1.0	"	1349	"
13	128.50	2443	0.9	"	1349	"
11	142.50	2709	0.8	"	1349	"
10.7	151.50	2881	0.8	"	1349	"
9.6	168.10	3196	0.7	"	1349	"
24	67.74	1288	2.5	VLH40Z/T0643	1574	84
22	75.19	1430	2.3	"	1574	"
20	82.00	1559	2.1	"	1574	"
18	91.02	1731	1.9	"	1574	"
17	96.86	1842	1.8	"	1574	"
15	107.50	2044	1.6	"	1574	"
13	121.30	2306	1.4	"	1574	"
12	134.60	2559	1.3	"	1574	"
11	141.40	2689	1.2	"	1574	"
10.3	156.90	2983	1.1	"	1574	"
9.8	166.10	3158	1.0	"	1574	"
8.8	184.40	3506	0.9	"	1574	"
8.1	199.90	3801	0.9	"	1574	"
7.3	221.90	4219	0.8	"	1574	"
6.6	246.50	4687	0.7	"	1574	"
23	71.97	1368	3.6	VLH50Z/T0643	2248	104
20	79.78	1517	3.2	"	2248	"
17	95.58	1817	2.7	"	2248	"
15	106.00	2015	2.4	"	2248	"
13	128.90	2451	2.0	"	2248	"
11	142.90	2717	1.8	"	2248	"
9.8	164.90	3135	1.6	"	2248	"
8.9	182.80	3476	1.4	"	2248	"
7.9	204.70	3892	1.3	"	2248	"
7.1	226.90	4314	1.1	"	2248	"
6.3	258.60	4917	1.0	"	2248	"
5.7	286.70	5451	0.9	"	2248	"

0.75 HP

444	3.78	103	1.7	VLH06/T0841	117	33
370	4.54	124	1.6	"	119	"
282	5.96	162	1.3	"	128	"

Slower Speeds on Request



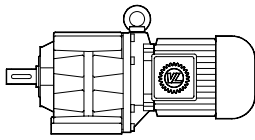
Three Phase
Selection Table
Helical Inline Gear Motors



0.75 HP

Output Speed (rpm)	Ratio	Output Torque (lb.in)	Service Factor	Model	Max OHL (lbf)	Weight (lbs)
240	7.01	191	1.2	VLH06/T0841	130	33
200	8.39	229	1.1	"	135	"
179	9.38	256	1.0	"	144	"
164	10.24	279	1.0	"	144	"
149	11.28	307	0.9	"	151	"
137	12.30	335	0.9	"	151	"
129	12.98	354	0.8	"	135	"
114	14.78	403	0.7	"	164	"
104	16.13	440	0.7	"	166	"
97	17.40	474	0.7	"	171	"
89	18.98	517	0.7	"	173	"
491	3.42	93	4.5	VLH10/T0841	146	33
385	4.36	119	3.9	"	146	"
315	5.34	146	3.5	"	139	"
248	6.78	185	3.0	"	148	"
208	8.07	220	2.7	"	148	"
180	9.33	254	2.5	"	214	"
162	10.34	282	2.4	"	225	"
141	11.92	325	2.2	"	232	"
127	13.21	360	2.0	"	241	"
115	14.58	397	1.9	"	247	"
104	16.15	440	1.8	"	256	"
91	18.51	504	1.6	"	272	"
82	20.51	559	1.4	"	290	"
76	22.04	601	1.3	"	299	"
69	24.42	666	1.2	"	317	"
64	26.26	716	1.1	"	328	"
58	29.09	793	1.0	"	346	"
53	31.52	859	0.9	"	360	"
48	34.92	952	0.8	"	380	"
42	39.70	1082	0.7	"	400	"
38	43.99	1199	0.7	"	423	"
505	3.33	91	7.7	VLH20/T0841	411	40
384	4.38	119	6.6	"	447	"
306	5.49	150	5.8	"	472	"
259	6.48	177	5.2	"	506	"
209	8.02	219	4.7	"	562	"
203	8.29	226	4.1	"	506	"
189	8.91	243	4.4	"	584	"
174	9.65	263	3.5	"	506	"
159	10.54	287	4.0	"	607	"
143	11.71	319	3.7	"	629	"
127	13.21	360	3.5	"	652	"
115	14.67	400	3.3	"	686	"
108	15.58	425	3.1	"	697	"
97	17.31	472	2.9	"	719	"
84	19.95	544	2.7	"	753	"
76	22.16	604	2.5	"	787	"
72	23.22	633	2.4	"	798	"

Slower Speeds on Request



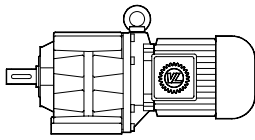
Three Phase
Selection Table
Helical Inline Gear Motors



0.75 HP

Output Speed (rpm)	Ratio	Output Torque (lb.in)	Service Factor	Model	Max OHL (lbf)	Weight (lbs)
65	25.79	703	2.1	VLH20/T0841	832	40
60	27.85	759	2.0	"	854	"
54	30.94	843	1.8	"	899	"
50	33.33	908	1.7	"	922	"
45	37.02	1009	1.5	"	967	"
40	41.76	1138	1.3	"	1012	"
36	46.38	1264	1.2	"	1057	"
35	47.92	1306	1.2	"	1068	"
32	53.22	1450	1.0	"	1113	"
28	59.07	1610	0.9	"	1124	"
26	65.62	1788	0.8	"	1124	"
494	3.40	93	11.1	VLH30/T0841	355	49
399	4.21	115	11.0	"	366	"
309	5.44	148	10.0	"	375	"
249	6.75	184	8.7	"	396	"
212	7.91	216	7.4	"	396	"
195	8.60	234	7.7	"	629	"
176	9.55	260	7.1	"	674	"
158	10.65	290	6.7	"	663	"
142	11.82	322	6.2	"	719	"
122	13.77	375	5.8	"	708	"
110	15.27	416	5.3	"	776	"
98	17.06	465	4.8	"	832	"
89	18.93	516	4.3	"	922	"
84	19.99	545	4.1	"	944	"
76	22.18	605	3.7	"	1034	"
66	25.45	694	3.2	"	1090	"
59	28.24	770	2.9	"	1146	"
56	29.83	813	2.7	"	1169	"
51	33.09	902	2.5	"	1214	"
48	35.17	959	2.3	"	1236	"
43	39.02	1063	2.1	"	1304	"
40	42.46	1157	1.9	"	1326	"
36	47.11	1284	1.7	"	1349	"
32	52.44	1429	1.5	"	1349	"
29	58.18	1586	1.4	"	1349	"
28	60.79	1657	1.3	"	1349	"
25	67.44	1838	1.2	"	1349	"
23	73.51	2003	1.1	VLH30Z/T0841	1349	55
21	81.55	2223	1.0	"	1349	"
20	86.13	2347	0.9	"	1349	"
18	95.55	2604	0.8	"	1349	"
15	109.60	2987	0.7	"	1349	"
14	121.60	3314	0.7	"	1349	"
527	3.19	87	19.8	VLH40/T0841	528	82
423	3.97	108	17.2	"	540	"
340	4.94	135	15.1	"	551	"
267	6.29	171	13.2	"	584	"

Slower Speeds on Request



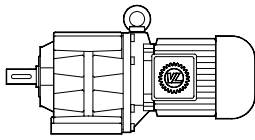
Three Phase
Selection Table
Helical Inline Gear Motors



0.75 HP

Output Speed (rpm)	Ratio	Output Torque (lb.in)	Service Factor	Model	Max OHL (lbf)	Weight (lbs)
220	7.62	208	10.9	VLH40/T0841	596	82
202	8.31	226	11.7	"	922	"
187	9.00	245	9.2	"	596	"
182	9.23	252	10.9	"	978	"
162	10.35	282	10.2	"	978	"
146	11.49	313	9.5	"	1034	"
131	12.86	350	9.0	"	1012	"
118	14.28	389	8.3	"	1102	"
103	16.39	447	7.3	"	1191	"
92	18.19	496	6.6	"	1259	"
85	19.84	541	6.1	"	1304	"
76	22.02	600	5.5	"	1349	"
72	23.43	639	5.1	"	1394	"
65	26.01	709	4.6	"	1461	"
57	29.34	800	4.1	"	1529	"
52	32.57	888	3.7	"	1574	"
49	34.20	932	3.5	"	1574	"
44	37.96	1035	3.2	"	1574	"
42	40.19	1095	3.0	"	1574	"
38	44.62	1216	2.7	"	1574	"
35	48.36	1318	2.5	"	1574	"
31	53.69	1463	2.2	"	1574	"
28	59.64	1625	2.0	"	1574	"
25	66.20	1804	1.8	"	1574	"
25	67.74	1846	1.8	VLH40Z/T0841	1574	88
22	75.19	2049	1.6	"	1574	"
20	82.00	2235	1.5	"	1574	"
18	91.02	2481	1.3	"	1574	"
17	96.86	2640	1.2	"	1574	"
16	107.50	2930	1.1	"	1574	"
14	121.30	3306	1.0	"	1574	"
12	134.60	3668	0.9	"	1574	"
12	141.40	3854	0.8	"	1574	"
10.7	156.90	4276	0.8	"	1574	"
10.1	166.10	4527	0.7	"	1574	"
9.1	184.40	5026	0.7	"	1574	"
23	71.97	1961	2.5	VLH50Z/T0841	2248	108
21	79.78	2174	2.2	"	2248	"
18	95.58	2605	1.9	"	2248	"
16	106.00	2889	1.7	"	2248	"
13	128.90	3513	1.4	"	2248	"
12	142.90	3895	1.2	"	2248	"
10.2	164.90	4494	1.1	"	2248	"
9.2	182.80	4982	1.0	"	2248	"
8.2	204.70	5579	0.9	"	2248	"
7.4	226.90	6184	0.8	"	2248	"
6.5	258.60	7048	0.7	"	2248	"

Slower Speeds on Request



Three Phase
Selection Table
Helical Inline Gear Motors



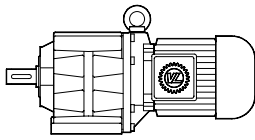
0.75 HP

Output Speed (rpm)	Ratio	Output Torque (lb.in)	Service Factor	Model	Max OHL (lbf)	Weight (lbs)
25	68.32	1862	5.2	VLH60Z/T0841	3597	207
22	75.71	2063	4.7	"	3597	"
18	91.09	2483	3.9	"	3597	"
17	101.00	2753	3.5	"	3597	"
14	119.20	3249	3.0	"	3597	"
13	132.10	3600	2.7	"	3597	"
10.6	158.00	4306	2.3	"	3597	"
9.6	175.10	4772	2.0	"	3597	"
8.2	204.60	5576	1.7	"	3597	"
7.4	226.70	6179	1.6	"	3597	"
6.8	247.70	6751	1.4	"	3597	"
6.1	274.50	7481	1.3	"	3597	"

1.00 HP

444	3.78	140	1.3	VLH06/T0842	117	29
370	4.54	169	1.2	"	119	"
282	5.96	222	1.0	"	128	"
240	7.01	261	0.9	"	130	"
200	8.39	312	0.8	"	135	"
179	9.38	349	0.8	"	144	"
164	10.24	381	0.7	"	144	"
149	11.28	419	0.7	"	151	"
491	3.42	127	3.3	VLH10/T0842	146	35
385	4.36	162	2.8	"	146	"
315	5.34	198	2.5	"	139	"
248	6.78	252	2.2	"	148	"
208	8.07	300	2.0	"	148	"
180	9.33	347	1.9	"	214	"
162	10.34	384	1.7	"	225	"
141	11.92	443	1.6	"	232	"
127	13.21	491	1.5	"	241	"
115	14.58	542	1.4	"	247	"
104	16.15	600	1.3	"	256	"
91	18.51	688	1.2	"	272	"
82	20.51	762	1.0	"	290	"
76	22.04	819	1.0	"	299	"
69	24.42	908	0.9	"	317	"
64	26.26	976	0.8	"	328	"
58	29.09	1081	0.7	"	346	"
53	31.52	1171	0.7	"	360	"
505	3.33	124	5.6	VLH20/T0842	411	42
384	4.38	163	4.8	"	447	"
306	5.49	204	4.3	"	472	"
259	6.48	241	3.8	"	506	"
209	8.02	298	3.5	"	562	"
203	8.29	308	3.0	"	506	"
189	8.91	331	3.3	"	584	"
174	9.65	359	2.6	"	506	"

Slower Speeds on Request



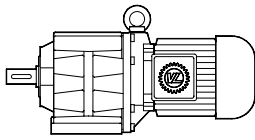
Three Phase
Selection Table
Helical Inline Gear Motors



1.00 HP

Output Speed (rpm)	Ratio	Output Torque (lb.in)	Service Factor	Model	Max OHL (lbf)	Weight (lbs)
159	10.54	392	3.0	VLH20/T0842	607	42
143	11.71	435	2.7	"	629	"
127	13.21	491	2.6	"	652	"
115	14.67	545	2.4	"	686	"
108	15.58	579	2.3	"	697	"
97	17.31	643	2.1	"	719	"
84	19.95	741	2.0	"	753	"
76	22.16	824	1.8	"	787	"
72	23.22	863	1.7	"	798	"
65	25.79	958	1.6	"	832	"
60	27.85	1035	1.5	"	854	"
54	30.94	1150	1.3	"	899	"
50	33.33	1239	1.2	"	922	"
45	37.02	1376	1.1	"	967	"
40	41.76	1552	1.0	"	1012	"
36	46.38	1724	0.9	"	1057	"
35	47.92	1781	0.8	"	1068	"
32	53.22	1978	0.8	"	1113	"
28	59.07	2195	0.7	"	1124	"
494	3.40	126	8.1	VLH30/T0842	355	51
399	4.21	156	8.1	"	366	"
309	5.44	202	7.3	"	375	"
249	6.75	251	6.4	"	396	"
212	7.91	294	5.4	"	396	"
195	8.60	320	5.7	"	629	"
176	9.55	355	5.2	"	674	"
158	10.65	396	4.9	"	663	"
142	11.82	439	4.5	"	719	"
122	13.77	512	4.2	"	708	"
110	15.27	568	3.9	"	776	"
98	17.06	634	3.5	"	832	"
89	18.93	704	3.1	"	922	"
84	19.99	743	3.0	"	944	"
76	22.18	824	2.7	"	1034	"
66	25.45	946	2.3	"	1090	"
59	28.24	1050	2.1	"	1146	"
56	29.83	1109	2.0	"	1169	"
51	33.09	1230	1.8	"	1214	"
48	35.17	1307	1.7	"	1236	"
43	39.02	1450	1.5	"	1304	"
40	42.46	1578	1.4	"	1326	"
36	47.11	1751	1.3	"	1349	"
32	52.44	1949	1.1	"	1349	"
29	58.18	2162	1.0	"	1349	"
28	60.79	2259	1.0	"	1349	"
25	67.44	2506	0.9	"	1349	"

Slower Speeds on Request



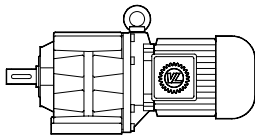
Three Phase
Selection Table
Helical Inline Gear Motors



1.00 HP

Output Speed (rpm)	Ratio	Output Torque (lb.in)	Service Factor	Model	Max OHL (lbf)	Weight (lbs)
527	3.19	119	14.6	VLH40/T0842	528	84
423	3.97	148	12.6	"	540	"
340	4.94	184	11.1	"	551	"
267	6.29	234	9.7	"	584	"
220	7.62	283	8.0	"	596	"
202	8.31	309	8.6	"	922	"
187	9.00	334	6.7	"	596	"
182	9.23	343	8.0	"	978	"
162	10.35	385	7.5	"	978	"
146	11.49	427	6.9	"	1034	"
131	12.86	478	6.6	"	1012	"
118	14.28	531	6.1	"	1102	"
103	16.39	609	5.4	"	1191	"
92	18.19	676	4.8	"	1259	"
85	19.84	737	4.4	"	1304	"
76	22.02	818	4.0	"	1349	"
72	23.43	871	3.8	"	1394	"
65	26.01	967	3.4	"	1461	"
57	29.34	1090	3.0	"	1529	"
52	32.57	1210	2.7	"	1574	"
49	34.20	1271	2.6	"	1574	"
44	37.96	1411	2.3	"	1574	"
42	40.19	1494	2.2	"	1574	"
38	44.62	1658	2.0	"	1574	"
35	48.36	1797	1.8	"	1574	"
31	53.69	1995	1.6	"	1574	"
28	59.64	2217	1.5	"	1574	"
25	66.20	2460	1.3	"	1574	"
25	67.74	2518	1.3	VLH40Z/T0842	1574	93
22	75.19	2794	1.2	"	1574	"
20	82.00	3048	1.1	"	1574	"
18	91.02	3383	1.0	"	1574	"
17	96.86	3600	0.9	"	1574	"
16	107.50	3995	0.8	"	1574	"
14	121.30	4508	0.7	"	1574	"
12	134.60	5002	0.7	"	1574	"
23	71.97	2675	1.8	VLH50Z/T0842	2248	112
21	79.78	2965	1.6	"	2248	"
18	95.58	3552	1.4	"	2248	"
16	106.00	3939	1.2	"	2248	"
13	128.90	4791	1.0	"	2248	"
12	142.90	5311	0.9	"	2248	"
10.2	164.90	6129	0.8	"	2248	"
9.2	182.80	6794	0.7	"	2248	"
25	68.32	2539	3.8	VLH60Z/T0842	3597	212
22	75.71	2814	3.5	"	3597	"
18	91.09	3385	2.9	"	3597	"
17	101.00	3754	2.6	"	3597	"
14	119.20	4430	2.2	"	3597	"

Slower Speeds on Request



Three Phase
Selection Table
Helical Inline Gear Motors



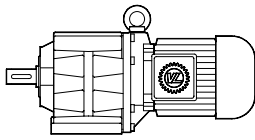
1.00 HP

Output Speed (rpm)	Ratio	Output Torque (lb.in)	Service Factor	Model	Max OHL (lbf)	Weight (lbs)
13	132.10	4910	2.0	VLH60Z/T0842	3597	212
10.6	158.00	5872	1.7	"	3597	"
9.6	175.10	6508	1.5	"	3597	"
8.2	204.60	7604	1.3	"	3597	"
7.4	226.70	8425	1.2	"	3597	"
6.8	247.70	9206	1.1	"	3597	"
6.1	274.50	10202	1.0	"	3597	"

1.5 HP

491	3.42	186	2.2	VLH10/T0843	146	40
385	4.36	238	1.9	"	146	"
315	5.34	291	1.7	"	139	"
248	6.78	370	1.5	"	148	"
208	8.07	440	1.3	"	148	"
180	9.33	509	1.3	"	214	"
162	10.34	564	1.2	"	225	"
141	11.92	650	1.1	"	232	"
127	13.21	720	1.0	"	241	"
115	14.58	795	1.0	"	247	"
104	16.15	880	0.9	"	256	"
91	18.51	1009	0.8	"	272	"
82	20.51	1118	0.7	"	290	"
76	22.04	1201	0.7	"	299	"
505	3.33	182	3.9	VLH20/T0843	411	46
384	4.38	239	3.3	"	447	"
306	5.49	299	2.9	"	472	"
259	6.48	353	2.6	"	506	"
209	8.02	437	2.4	"	562	"
203	8.29	452	2.0	"	506	"
189	8.91	486	2.2	"	584	"
174	9.65	526	1.7	"	506	"
159	10.54	575	2.0	"	607	"
143	11.71	638	1.9	"	629	"
127	13.21	720	1.7	"	652	"
115	14.67	800	1.6	"	686	"
108	15.58	849	1.6	"	697	"
97	17.31	944	1.5	"	719	"
84	19.95	1087	1.4	"	753	"
76	22.16	1208	1.2	"	787	"
72	23.22	1266	1.2	"	798	"
65	25.79	1406	1.1	"	832	"
60	27.85	1518	1.0	"	854	"
54	30.94	1687	0.9	"	899	"
50	33.33	1817	0.8	"	922	"
45	37.02	2018	0.7	"	967	"
40	41.76	2276	0.7	"	1012	"

Slower Speeds on Request



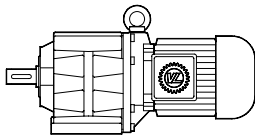
Three Phase
Selection Table
Helical Inline Gear Motors



1.50 HP

Output Speed (rpm)	Ratio	Output Torque (lb.in)	Service Factor	Model	Max OHL (lbf)	Weight (lbs)
494	3.40	185	5.5	VLH30/T0843	355	55
399	4.21	229	5.5	"	366	"
309	5.44	297	5.0	"	375	"
249	6.75	368	4.4	"	396	"
212	7.91	431	3.7	"	396	"
195	8.60	469	3.9	"	629	"
176	9.55	521	3.6	"	674	"
158	10.65	581	3.4	"	663	"
142	11.82	644	3.1	"	719	"
122	13.77	751	2.9	"	708	"
110	15.27	832	2.7	"	776	"
98	17.06	930	2.4	"	832	"
89	18.93	1032	2.1	"	922	"
84	19.99	1090	2.0	"	944	"
76	22.18	1209	1.8	"	1034	"
66	25.45	1387	1.6	"	1090	"
59	28.24	1539	1.4	"	1146	"
56	29.83	1626	1.4	"	1169	"
51	33.09	1804	1.2	"	1214	"
48	35.17	1917	1.2	"	1236	"
43	39.02	2127	1.0	"	1304	"
40	42.46	2314	1.0	"	1326	"
36	47.11	2568	0.9	"	1349	"
32	52.44	2858	0.8	"	1349	"
29	58.18	3171	0.7	"	1349	"
28	60.79	3314	0.7	"	1349	"
527	3.19	174	9.9	VLH40/T0843	528	88
423	3.97	216	8.6	"	540	"
340	4.94	269	7.6	"	551	"
267	6.29	343	6.6	"	584	"
220	7.62	415	5.4	"	596	"
202	8.31	453	5.9	"	922	"
187	9.00	491	4.6	"	596	"
182	9.23	503	5.5	"	978	"
162	10.35	564	5.1	"	978	"
146	11.49	626	4.7	"	1034	"
131	12.86	701	4.5	"	1012	"
118	14.28	778	4.1	"	1102	"
103	16.39	893	3.7	"	1191	"
92	18.19	992	3.3	"	1259	"
85	19.84	1081	3.0	"	1304	"
76	22.02	1200	2.7	"	1349	"
72	23.43	1277	2.6	"	1394	"
65	26.01	1418	2.3	"	1461	"
57	29.34	1599	2.0	"	1529	"
52	32.57	1775	1.8	"	1574	"
49	34.20	1864	1.8	"	1574	"
44	37.96	2069	1.6	"	1574	"
42	40.19	2191	1.5	"	1574	"
38	44.62	2432	1.3	"	1574	"
35	48.36	2636	1.2	"	1574	"

Slower Speeds on Request



Three Phase
Selection Table
Helical Inline Gear Motors



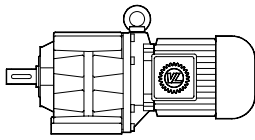
1.50 HP

Output Speed (rpm)	Ratio	Output Torque (lb.in)	Service Factor	Model	Max OHL (lbf)	Weight (lbs)
31	53.69	2927	1.1	VLH40/T0843	1574	88
28	59.64	3251	1.0	"	1574	"
25	66.20	3608	0.9	"	1574	"
342	4.91	268	11.4	VLH50/T0843	787	106
249	6.74	367	9.5	"	843	"
193	8.70	474	8.2	"	1191	"
174	9.65	526	7.7	"	1259	"
139	12.06	657	6.7	"	1281	"
126	13.36	728	6.2	"	1371	"
102	16.53	901	5.4	"	1461	"
92	18.33	999	4.9	"	1619	"
77	21.96	1197	4.1	"	1798	"
69	24.34	1327	3.7	"	1956	"
57	29.62	1615	3.0	"	1798	"
51	32.84	1790	2.7	"	1956	"
44	37.89	2065	2.4	"	2248	"
40	42.00	2289	2.1	"	2248	"
36	47.02	2563	1.9	"	2248	"
32	52.12	2841	1.7	"	2248	"
28	59.42	3239	1.5	"	2248	"
26	65.86	3590	1.4	"	2248	"
23	71.97	3923	1.2	VLH50Z/T0843	2248	115
21	79.78	4349	1.1	"	2248	"
18	95.58	5210	0.9	"	2248	"
16	106.00	5778	0.8	"	2248	"
13	128.90	7026	0.7	"	2248	"
25	68.32	3724	2.6	VLH60Z/T0843	3597	214
22	75.71	4127	2.4	"	3597	"
18	91.09	4965	2.0	"	3597	"
17	101.00	5505	1.8	"	3597	"
14	119.20	6497	1.5	"	3597	"
13	132.10	7201	1.4	"	3597	"
10.6	158.00	8612	1.1	"	3597	"
9.6	175.10	9544	1.0	"	3597	"
8.2	204.60	11152	0.9	"	3597	"
7.4	226.70	12357	0.8	"	3597	"
6.8	247.70	13502	0.7	"	3597	"
6.1	274.50	14963	0.7	"	3597	"

2.00 HP

491	3.42	254	1.6	VLH10/T0941	146	49
385	4.36	324	1.4	"	146	"
315	5.34	397	1.3	"	139	"
248	6.78	504	1.1	"	148	"
208	8.07	600	1.0	"	148	"
180	9.33	694	0.9	"	214	"
162	10.34	769	0.9	"	225	"
141	11.92	886	0.8	"	232	"

Slower Speeds on Request



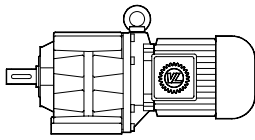
Three Phase
Selection Table
Helical Inline Gear Motors



2.00 HP

Output Speed (rpm)	Ratio	Output Torque (lb.in)	Service Factor	Model	Max OHL (lbf)	Weight (lbs)
127	13.21	982	0.7	VLH10/T0941	241	49
115	14.58	1084	0.7	"	247	"
104	16.15	1200	0.7	"	256	"
505	3.33	248	2.8	VLH20/T0941	411	53
384	4.38	326	2.4	"	447	"
306	5.49	408	2.1	"	472	"
259	6.48	482	1.9	"	506	"
209	8.02	596	1.7	"	562	"
203	8.29	616	1.5	"	506	"
189	8.91	662	1.6	"	584	"
174	9.65	717	1.3	"	506	"
159	10.54	783	1.5	"	607	"
143	11.71	870	1.4	"	629	"
127	13.21	982	1.3	"	652	"
115	14.67	1090	1.2	"	686	"
108	15.58	1158	1.2	"	697	"
97	17.31	1287	1.1	"	719	"
84	19.95	1483	1.0	"	753	"
76	22.16	1647	0.9	"	787	"
72	23.22	1726	0.9	"	798	"
65	25.79	1917	0.8	"	832	"
60	27.85	2070	0.7	"	854	"
54	30.94	2300	0.7	"	899	"
494	3.40	253	4.1	VLH30/T0941	355	64
399	4.21	313	4.0	"	366	"
309	5.44	404	3.7	"	375	"
249	6.75	502	3.2	"	396	"
212	7.91	588	2.7	"	396	"
195	8.60	639	2.8	"	629	"
176	9.55	710	2.6	"	674	"
158	10.65	792	2.5	"	663	"
142	11.82	879	2.3	"	719	"
122	13.77	1024	2.1	"	708	"
110	15.27	1135	1.9	"	776	"
98	17.06	1268	1.7	"	832	"
89	18.93	1407	1.6	"	922	"
84	19.99	1486	1.5	"	944	"
76	22.18	1649	1.3	"	1034	"
66	25.45	1892	1.2	"	1090	"
59	28.24	2099	1.1	"	1146	"
56	29.83	2217	1.0	"	1169	"
51	33.09	2460	0.9	"	1214	"
48	35.17	2614	0.8	"	1236	"
43	39.02	2900	0.8	"	1304	"
40	42.46	3156	0.7	"	1326	"
527	3.19	237	7.3	VLH40/T0941	528	95
423	3.97	295	6.3	"	540	"
340	4.94	367	5.5	"	551	"
267	6.29	468	4.8	"	584	"

Slower Speeds on Request



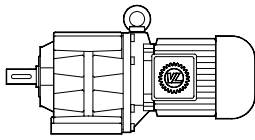
Three Phase
Selection Table
Helical Inline Gear Motors



2.00 HP

Output Speed (rpm)	Ratio	Output Torque (lb.in)	Service Factor	Model	Max OHL (lbf)	Weight (lbs)
220	7.62	566	4.0	VLH40/T0941	596	95
202	8.31	618	4.3	"	922	"
187	9.00	669	3.4	"	596	"
182	9.23	686	4.0	"	978	"
162	10.35	769	3.7	"	978	"
146	11.49	854	3.5	"	1034	"
131	12.86	956	3.3	"	1012	"
118	14.28	1061	3.0	"	1102	"
103	16.39	1218	2.7	"	1191	"
92	18.19	1352	2.4	"	1259	"
85	19.84	1475	2.2	"	1304	"
76	22.02	1637	2.0	"	1349	"
72	23.43	1742	1.9	"	1394	"
65	26.01	1933	1.7	"	1461	"
57	29.34	2181	1.5	"	1529	"
52	32.57	2421	1.4	"	1574	"
49	34.20	2542	1.3	"	1574	"
44	37.96	2822	1.2	"	1574	"
42	40.19	2987	1.1	"	1574	"
38	44.62	3317	1.0	"	1574	"
35	48.36	3595	0.9	"	1574	"
31	53.69	3991	0.8	"	1574	"
28	59.64	4433	0.7	"	1574	"
25	66.20	4921	0.7	"	1574	"
342	4.91	365	8.4	VLH50/T0941	787	112
249	6.74	501	7.0	"	843	"
193	8.70	647	6.0	"	1191	"
174	9.65	717	5.6	"	1259	"
139	12.06	896	4.9	"	1281	"
126	13.36	993	4.5	"	1371	"
102	16.53	1229	4.0	"	1461	"
92	18.33	1362	3.6	"	1619	"
77	21.96	1632	3.0	"	1798	"
69	24.34	1809	2.7	"	1956	"
57	29.62	2202	2.2	"	1798	"
51	32.84	2441	2.0	"	1956	"
44	37.89	2816	1.7	"	2248	"
40	42.00	3122	1.6	"	2248	"
36	47.02	3495	1.4	"	2248	"
32	52.12	3874	1.3	"	2248	"
28	59.42	4417	1.1	"	2248	"
26	65.86	4895	1.0	"	2248	"
244	6.88	511	12.3	VLH60/T0941	1933	181
184	9.13	679	10.6	"	2203	"
166	10.12	752	9.8	"	2293	"
138	12.16	904	8.8	"	2428	"
125	13.47	1001	8.2	"	2518	"
100	16.80	1249	7.2	"	2698	"
90	18.62	1384	6.7	"	2788	"
75	22.40	1665	5.8	"	2990	"

Slower Speeds on Request



Three Phase
Selection Table
Helical Inline Gear Motors



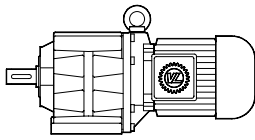
2.00 HP

Output Speed (rpm)	Ratio	Output Torque (lb.in)	Service Factor	Model	Max OHL (lbf)	Weight (lbs)
68	24.82	1845	5.3	"	3102	181
57	29.31	2179	4.5	"	3327	"
52	32.48	2414	4.0	"	3462	"
43	38.85	2888	3.4	"	3597	"
39	43.05	3200	3.0	"	3597	"
33	50.31	3740	2.6	"	3597	"
30	55.76	4145	2.3	"	3597	"
28	60.90	4527	2.2	"	3597	"
25	67.49	5017	1.9	"	3597	"
25	68.32	5078	1.9	VLH60Z/T0941	3597	223
22	75.71	5628	1.7	"	3597	"
18	91.09	6771	1.4	"	3597	"
17	101.00	7507	1.3	"	3597	"
14	119.20	8860	1.1	"	3597	"
13	132.10	9819	1.0	"	3597	"
10.6	158.00	11744	0.8	"	3597	"
9.6	175.10	13015	0.7	"	3597	"

3.00 HP

491	3.42	373	1.1	VLH10/T0942	146	57
385	4.36	475	1.0	"	146	"
315	5.34	582	0.9	"	139	"
248	6.78	739	0.7	"	148	"
208	8.07	880	0.7	"	148	"
505	3.33	363	1.9	VLH20/T0942	411	62
384	4.38	477	1.6	"	447	"
306	5.49	599	1.4	"	472	"
259	6.48	706	1.3	"	506	"
209	8.02	874	1.2	"	562	"
203	8.29	904	1.0	"	506	"
189	8.91	971	1.1	"	584	"
174	9.65	1052	0.9	"	506	"
159	10.54	1149	1.0	"	607	"
143	11.71	1277	0.9	"	629	"
127	13.21	1440	0.9	"	652	"
115	14.67	1599	0.8	"	686	"
108	15.58	1698	0.8	"	697	"
97	17.31	1887	0.7	"	719	"
84	19.95	2175	0.7	"	753	"
494	3.40	371	2.8	VLH30/T0942	355	73
399	4.21	459	2.8	"	366	"
309	5.44	593	2.5	"	375	"
249	6.75	736	2.2	"	396	"
212	7.91	862	1.9	"	396	"
195	8.60	938	1.9	"	629	"
176	9.55	1041	1.8	"	674	"
158	10.65	1161	1.7	"	663	"
142	11.82	1289	1.5	"	719	"

Slower Speeds on Request



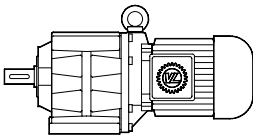
Three Phase
Selection Table
Helical Inline Gear Motors



3.00 HP

Output Speed (rpm)	Ratio	Output Torque (lb.in)	Service Factor	Model	Max OHL (lbf)	Weight (lbs)
122	13.77	1501	1.4	VLH30/T0942	708	73
110	15.27	1665	1.3	"	776	"
98	17.06	1860	1.2	"	832	"
89	18.93	2064	1.1	"	922	"
84	19.99	2179	1.0	"	944	"
76	22.18	2418	0.9	"	1034	"
66	25.45	2774	0.8	"	1090	"
59	28.24	3079	0.7	"	1146	"
56	29.83	3252	0.7	"	1169	"
527	3.19	348	5.0	VLH40/T0942	528	104
423	3.97	433	4.3	"	540	"
340	4.94	539	3.8	"	551	"
267	6.29	686	3.3	"	584	"
220	7.62	831	2.7	"	596	"
202	8.31	906	2.9	"	922	"
187	9.00	981	2.3	"	596	"
182	9.23	1006	2.7	"	978	"
162	10.35	1128	2.5	"	978	"
146	11.49	1253	2.4	"	1034	"
131	12.86	1402	2.2	"	1012	"
118	14.28	1557	2.1	"	1102	"
103	16.39	1787	1.8	"	1191	"
92	18.19	1983	1.7	"	1259	"
85	19.84	2163	1.5	"	1304	"
76	22.02	2401	1.4	"	1349	"
72	23.43	2554	1.3	"	1394	"
65	26.01	2836	1.2	"	1461	"
57	29.34	3199	1.0	"	1529	"
52	32.57	3551	0.9	"	1574	"
49	34.20	3728	0.9	"	1574	"
44	37.96	4138	0.8	"	1574	"
42	40.19	4381	0.7	"	1574	"
38	44.62	4864	0.7	"	1574	"
342	4.91	535	5.7	VLH50/T0942	787	121
249	6.74	735	4.8	"	843	"
193	8.70	948	4.1	"	1191	"
174	9.65	1052	3.8	"	1259	"
139	12.06	1315	3.4	"	1281	"
126	13.36	1456	3.1	"	1371	"
102	16.53	1802	2.7	"	1461	"
92	18.33	1998	2.4	"	1619	"
77	21.96	2394	2.0	"	1798	"
69	24.34	2653	1.8	"	1956	"
57	29.62	3229	1.5	"	1798	"
51	32.84	3580	1.4	"	1956	"
44	37.89	4131	1.2	"	2248	"
40	42.00	4579	1.1	"	2248	"
36	47.02	5126	0.9	"	2248	"
32	52.12	5682	0.9	"	2248	"
28	59.42	6478	0.8	"	2248	"
26	65.86	7180	0.7	"	2248	"

Slower Speeds on Request



Three Phase
Selection Table
Helical Inline Gear Motors

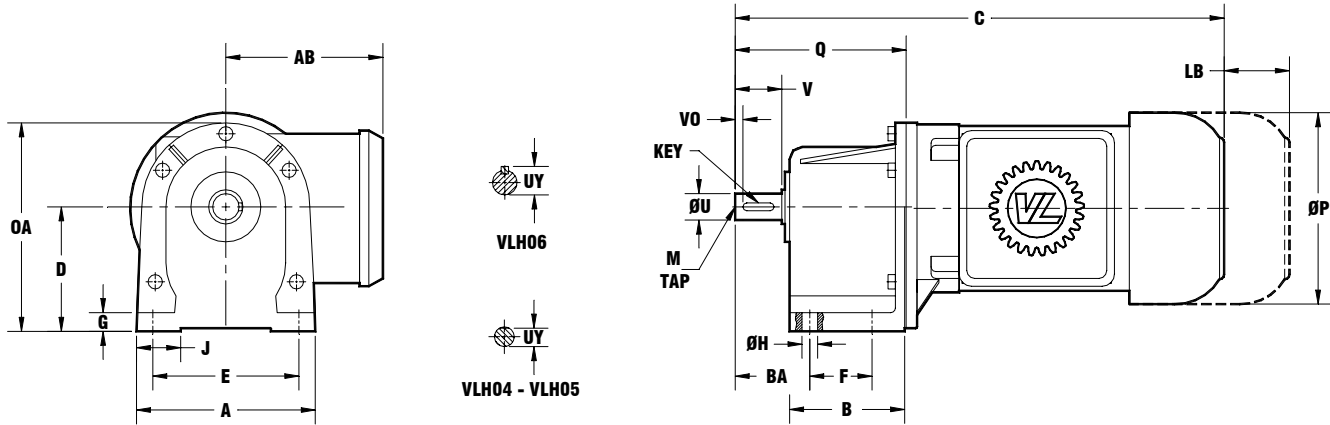


3.00 HP

Output Speed (rpm)	Ratio	Output Torque (lb.in)	Service Factor	Model	Max OHL (lbf)	Weight (lbs)
244	6.88	750	8.4	VLH60/T0942	1933	190
184	9.13	995	7.2	"	2203	"
166	10.12	1103	6.7	"	2293	"
138	12.16	1326	6.0	"	2428	"
125	13.47	1468	5.6	"	2518	"
100	16.80	1831	4.9	"	2698	"
90	18.62	2030	4.6	"	2788	"
75	22.40	2442	4.0	"	2990	"
68	24.82	2706	3.6	"	3102	"
57	29.31	3195	3.0	"	3327	"
52	32.48	3541	2.7	"	3462	"
43	38.85	4235	2.3	"	3597	"
39	43.05	4693	2.1	"	3597	"
33	50.31	5485	1.8	"	3597	"
30	55.76	6079	1.6	"	3597	"
28	60.90	6639	1.5	"	3597	"
25	67.49	7358	1.3	"	3597	"
25	68.32	7448	1.3	VLH60Z/T0942	3597	232
22	75.71	8254	1.2	"	3597	"
18	91.09	9930	1.0	"	3597	"
17	101.00	11011	0.9	"	3597	"
14	119.20	12995	0.7	"	3597	"
13	132.10	14401	0.7	"	3597	"

FOR LARGER MOTOR POWERS
PLEASE CALL 1-866-267-8077

Single & Three Phase Helical Inline Gear Motors Foot Mounted VLH04 to VLH06



GEARCASE

Model	A	B	BA	D	E	F	G	H	J	OA	Q
VLH04	3.74	2.31	1.43	2.20	3.18	1.10	0.35	0.27	0.67	3.72	3.32
VLH05	4.13	2.43	1.43	2.55	3.58	1.57	0.39	0.27	0.69	4.31	3.59
VLH06	4.52	2.94	1.88	3.14	3.70	1.57	0.47	0.39	1.12	5.27	4.32

OUTPUT SHAFT

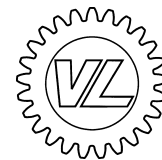
Model	U	UY	V	VO	KEY	M
VLH04	0.500	0.467	1.00	-	Flat	-
VLH05	0.500	0.467	1.00	-	Flat	-
VLH06	0.625	0.710	1.18	0.20	0.188□ x 0.80	1/4-20UNC

MOTOR

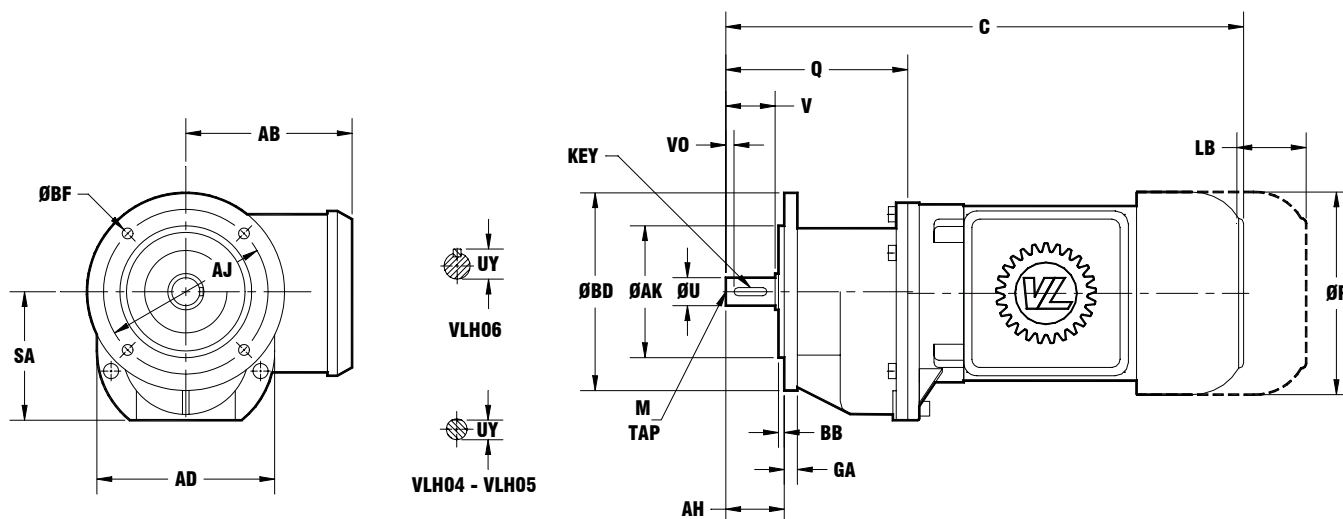
Model		T04	S04	T05	S05	T06	S06
	AB	4.41	4.41	4.61	4.61	4.69	4.69
	LB	1.69	1.69	1.65	1.65	1.65	1.65
	P	4.37	4.37	4.84	4.84	4.84	4.84
VLH04	C	10.47	10.47	-	-	-	-
VLH05	C	10.82	10.82	11.96	11.96	11.96	11.96
VLH06	C	11.22	11.22	12.36	12.36	12.36	12.36

Dimensions are in inches
Dimension LB is for brake option
CAD drawings upon request

Single & Three Phase Helical Inline Gear Motors Flange Mounted



VLHF04 to VLHF06



GEARCASE

Model	AD	SA	Q
VLHF04	3.03	2.16	3.32
VLHF05	3.50	2.51	3.59
VLHF06	4.25	3.07	4.32

FLANGE

AH	AJ	AK	BB	BD	BF	GA
1.12	2.55	1.968	0.12	3.14	0.24	0.27
1.16	3.14	2.362	0.12	3.93	0.25	0.31
1.37	3.94	3.149	0.14	4.72	0.26	0.31

OUTPUT SHAFT

Model	U	UY	V	VO	KEY	M
VLHF04	0.500	0.467	1.00	-	Flat	-
VLHF05	0.500	0.467	1.00	-	Flat	-
VLHF06	0.625	0.710	1.18	0.20	0.188 x 0.80	1/4-20UNC

MOTOR

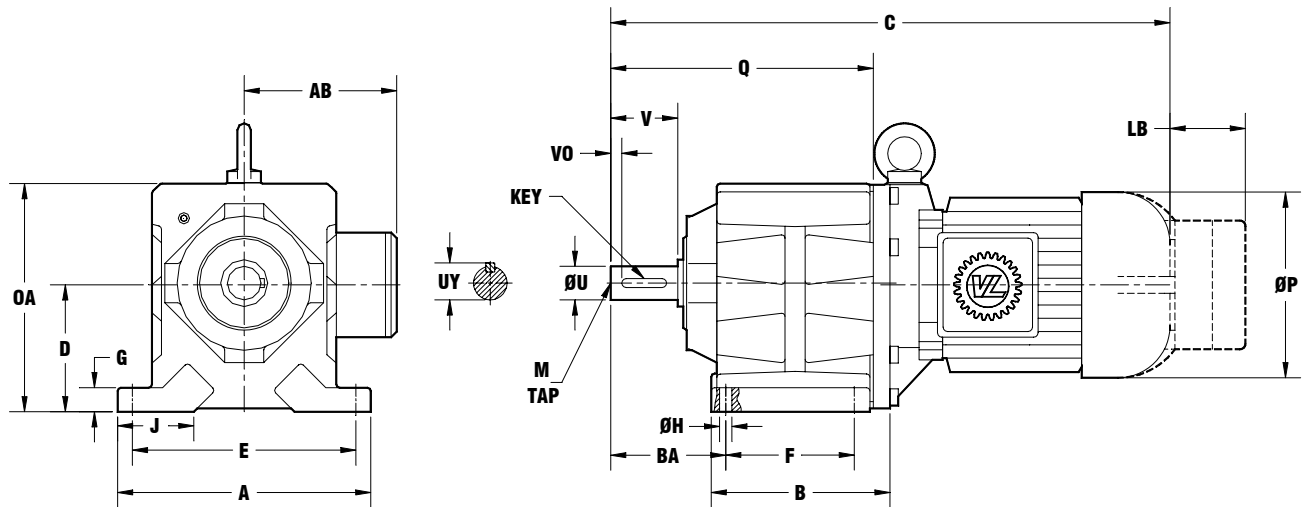
Model		T04	S04	T05	S05	T06	S06
	AB	4.41	4.41	4.61	4.61	4.69	4.69
	LB	1.69	1.69	1.65	1.65	1.65	1.65
	P	4.37	4.37	4.84	4.84	4.84	4.84
VLHF04	C	10.47	10.47	-	-	-	-
VLHF05	C	10.82	10.82	11.96	11.96	11.96	11.96
VLHF06	C	11.22	11.22	12.36	12.36	12.36	12.36

Dimensions are in inches

Dimension LB is for brake option

CAD drawings upon request

Single & Three Phase Helical Inline Gear Motors Foot Mounted VLH10 to VLH60



GEARCASE

Model	A	B	BA	D	E	F	G	H	J	OA	Q
VLH10(Z)	7.08	5.42	2.98	3.54	6.29	3.54	0.59	0.35	1.58	5.90	7.63
VLH20(Z)	7.87	5.38	3.52	3.93	6.88	3.93	0.76	0.35	1.38	7.08	8.05
VLH30(Z)	8.91	6.28	4.05	4.52	7.87	4.52	0.84	0.43	2.69	8.03	9.24
VLH40(Z)	10.62	6.76	4.28	5.11	9.25	4.92	1.18	0.53	2.36	9.01	9.87
VLH50(Z)	11.81	7.86	5.41	6.10	10.43	5.51	1.37	0.68	3.19	10.86	11.83
VLH60(Z)	13.77	9.55	6.36	7.87	12.20	7.08	1.65	0.68	3.82	13.58	14.39

OUTPUT SHAFT

Model	U	UY	V	VO	KEY	M
VLH10(Z)	1.000	1.11	1.97	0.25	0.250□ x 1.26	3/8 – 16UNC
VLH20(Z)	1.000	1.11	1.97	0.28	0.250□ x 1.57	3/8 – 16UNC
VLH30(Z)	1.250	1.36	2.36	0.28	0.250□ x 1.97	3/8 – 16UNC
VLH40(Z)	1.250	1.36	2.36	0.28	0.250□ x 1.97	3/8 – 16UNC
VLH50(Z)	1.625	1.79	3.15	0.20	0.375□ x 2.76	5/8 – 11UNC
VLH60(Z)	2.125	2.35	3.94	0.39	0.500□ x 3.15	3/4 – 10UNC

MOTOR

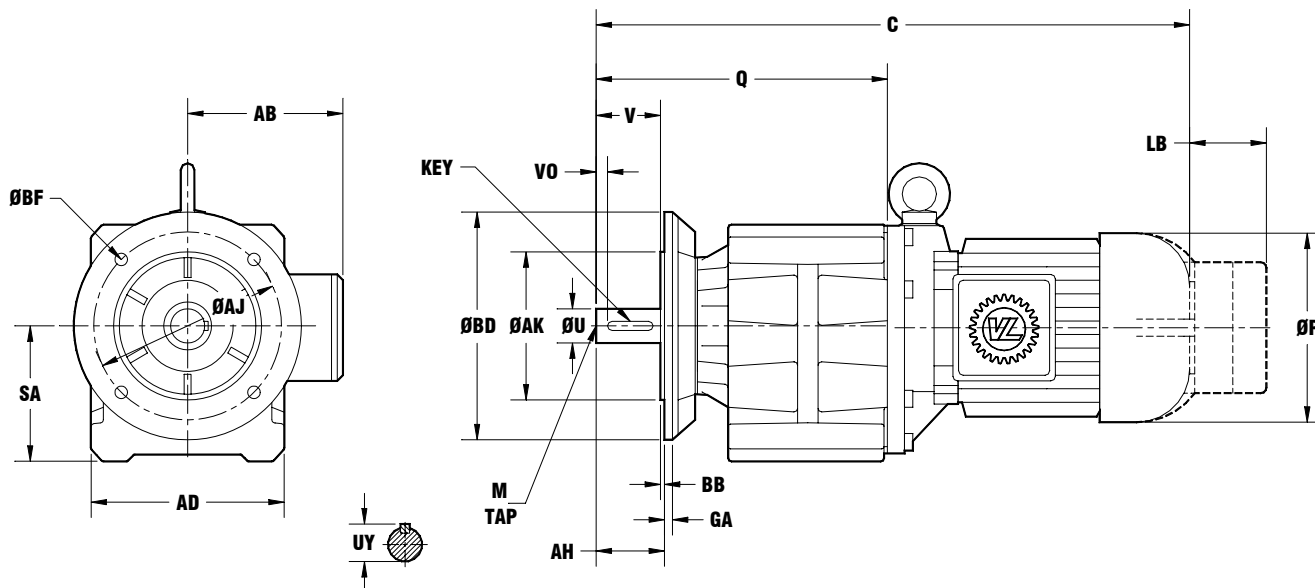
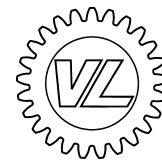
Model		T06	S06	T08	S08	T09	S09
	AB	4.69	4.69	5.39	5.39	6.50	6.50
	LB	1.70	1.70	3.43	3.43	3.07	3.07
	P	4.84	4.84	6.14	6.14	6.92	6.92
VLH10	C	16.37	16.37	17.71	17.71	20.31	20.31
VLH10Z	C	17.40	17.40	20.31	20.31	-	-
VLH20	C	17.12	17.12	18.46	18.46	21.06	21.06
VLH20Z	C	18.77	18.77	21.69	21.69	-	-
VLH30	C	18.22	18.22	19.56	19.56	22.16	22.16
VLH30Z	C	21.22	21.22	22.55	22.55	25.11	25.11
VLH40	C	-	-	20.11	20.11	22.71	22.71
VLH40Z	C	22.04	22.04	23.38	23.38	25.94	25.94
VLH50	C	-	-	22.59	22.59	25.19	25.19
VLH50Z	C	24.64	24.64	25.98	25.98	28.58	28.58
VLH60	C	-	-	-	-	27.67	27.67
VLH60Z	C	-	-	29.40	29.40	32.00	32.00

Dimensions are in inches

Dimension LB is for brake option

CAD drawings upon request

Single & Three Phase Helical Inline Gear Motors Flange Mounted VLHF10 to VLHF60



GEARCASE

Model	AD	SA	Q
VLHF10(Z)	5.35	3.70	7.85
VLHF20(Z)	5.92	4.09	8.70
VLHF30(Z)	6.69	4.68	10.08
VLHF40(Z)	7.99	5.29	10.63
VLHF50(Z)	9.44	6.25	12.76
		8.07	15.32

FLANGE

AH	AJ	AK	BB	BD	BF	GA
1.97	4.527	3.740	0.12	5.51	0.35	0.39
1.97	5.118	4.330	0.14	6.30	0.35	0.39
2.36	6.496	5.118	0.14	7.87	0.43	0.47
2.36	6.496	5.118	0.14	7.87	0.43	0.47
3.15	8.464	7.086	0.16	9.84	0.53	0.63
3.94	10.433	9.055	0.16	11.81	0.53	0.79

OUTPUT SHAFT

Model	U	UY	V	VO	KEY	M
VLHF10(Z)	1.000	1.11	1.97	0.25	0.250□ x 1.57	3/8 – 16UNC
VLHF20(Z)	1.000	1.11	1.97	0.28	0.250□ x 1.57	3/8 – 16UNC
VLHF30(Z)	1.250	1.36	2.36	0.28	0.250□ x 1.97	3/8 – 16UNC
VLHF40(Z)	1.250	1.36	2.36	0.28	0.250□ x 1.97	3/8 – 16UNC
VLHF50(Z)	1.625	1.79	3.15	0.20	0.375□ x 2.76	5/8 – 11UNC
VLHF60(Z)	2.125	2.35	3.94	0.39	0.500□ x 3.15	3/4 – 10UNC

MOTOR

Model		T06	S06	T08	S08	T09	S09
	AB	4.69	4.69	5.39	5.39	6.50	6.50
	LB	1.70	1.70	3.43	3.43	3.07	3.07
	P	4.84	4.84	6.14	6.14	6.92	6.92
VLHF10	C	16.99	16.99	18.33	18.33	20.93	20.93
VLHF10Z	C	18.02	18.02	20.93	20.93	-	-
VLHF20	C	17.77	17.77	19.11	19.11	21.71	21.71
VLHF20Z	C	19.42	19.42	22.34	22.34	-	-
VLHF30	C	19.05	19.05	20.39	20.39	22.99	22.99
VLHF30Z	C	22.05	22.05	23.38	23.38	25.94	25.94
VLHF40	C	-	-	20.86	20.86	23.46	23.46
VLHF40Z	C	22.79	22.79	24.13	24.13	26.69	26.69
VLHF50	C	-	-	23.52	23.52	26.12	26.12
VLHF50Z	C	25.57	25.57	26.91	26.91	29.51	29.51
VLHF60	C	-	-	-	-	28.60	28.60
VLHF60Z	C	-	-	30.33	30.33	32.93	32.93

Dimensions are in inches

Dimension LB is for brake option

CAD drawings upon request



60Hz Three Phase Motor Data

P _n	Frame Size	n ₁ (rpm)	T _n (lb.in)	I _n			I _a /I _n (%)	T _a /T _n (%)	T _k /T _n (%)	Cos φ	WK ² _{Rotor} (lb.ft ²)
				230V	460V	575V					
0.10	T0441	1620	3.9	0.64	0.32	0.26	300	350	350	0.64	0.00415
0.12	T0442	1620	4.7	0.80	0.40	0.32	290	310	310	0.70	0.00415
0.15	T0443	1620	5.7	0.82	0.41	0.33	280	250	250	0.80	0.00415
0.25	T0541	1620	9.3	1.20	0.60	0.48	340	280	280	0.65	0.00700
0.25	T0641	1620	9.3	1.20	0.60	0.48	340	280	280	0.65	0.00700
0.33	T0542	1620	13.0	1.60	0.79	0.63	320	260	260	0.69	0.00700
0.33	T0642	1620	13.0	1.60	0.79	0.63	320	260	260	0.69	0.00700
0.50	T0643	1620	18.5	2.00	1.00	0.80	290	200	210	0.74	0.00700
0.75	T0841	1680	27.5	3.00	1.50	1.20	370	210	250	0.77	0.02100
1.00	T0842	1680	37.5	4.20	2.10	1.68	400	220	250	0.76	0.02750
1.50	T0843	1680	55	5.00	2.50	2.00	380	190	210	0.85	0.03550
2.00	T0941	1680	75	6.50	3.25	2.60	450	230	250	0.85	0.05800
3.00	T0942	1680	110	8.80	4.40	2.20	500	230	260	0.83	0.07600

P_n = Rated Motor Power
 n₁ = Full Load Speed
 T_n = Full Load Torque
 I_n = Full Load Current
 I_a/I_n = Starting Current Ratio

T_a/T_n = Starting Torque Ratio
 T_k/T_n = Breakdown Torque Ratio
 Cos φ = Power Factor
 WK² = Rotor Inertia