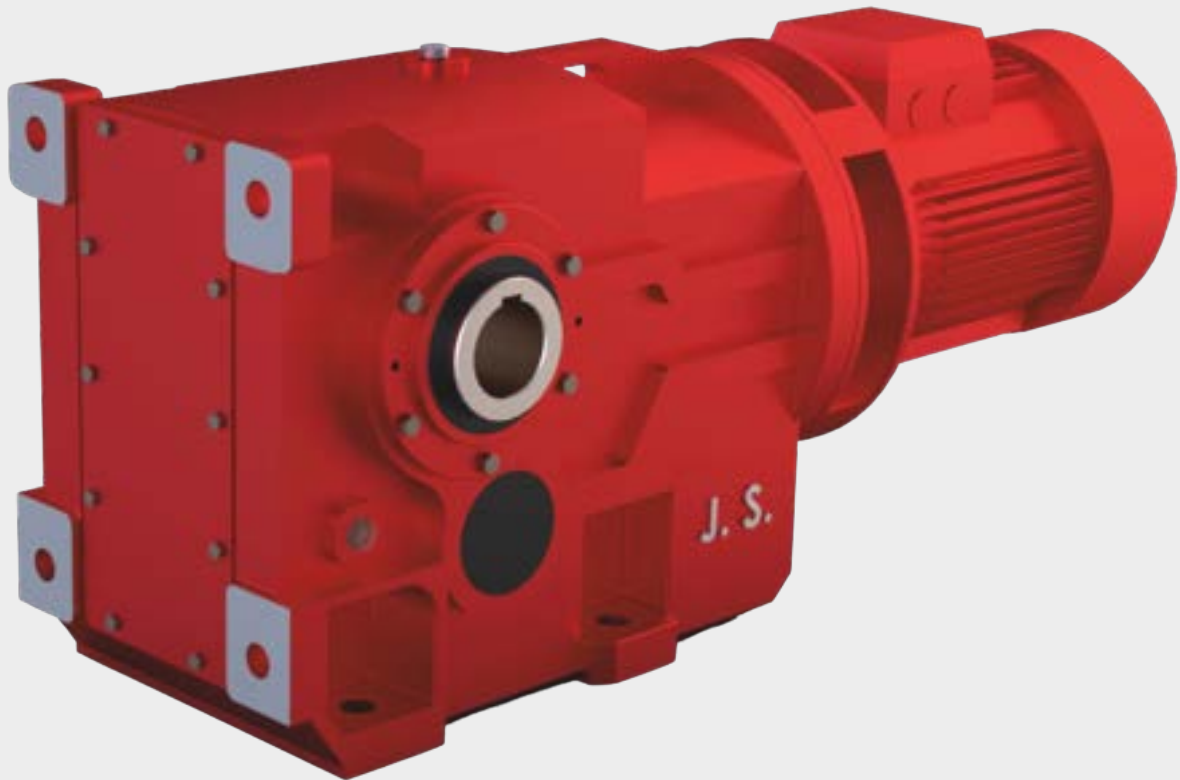




Since : 1990

HELICAL-BEVEL GEARED MOTOR



Helical Bevel Geared Motor

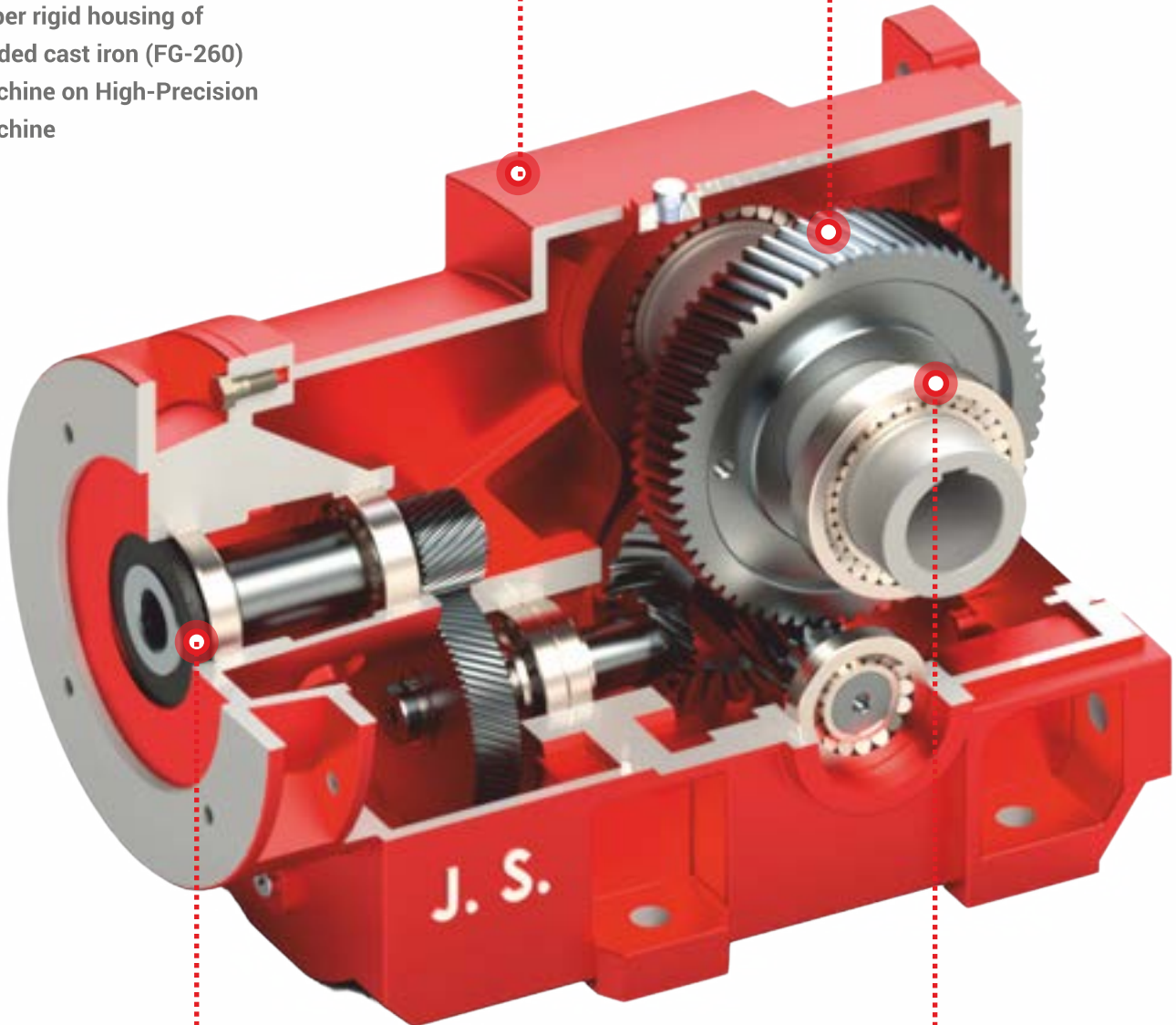
01

Gear Case

- ⚙ Super rigid housing of graded cast iron (FG-260) machine on High-Precision Machine

Gears

- ⚙ Made from High graded alloy steel case harden (HRC-58 to 60) and precision Profile ground Gear accuracy class DIN 6 / 7



Oil Seal

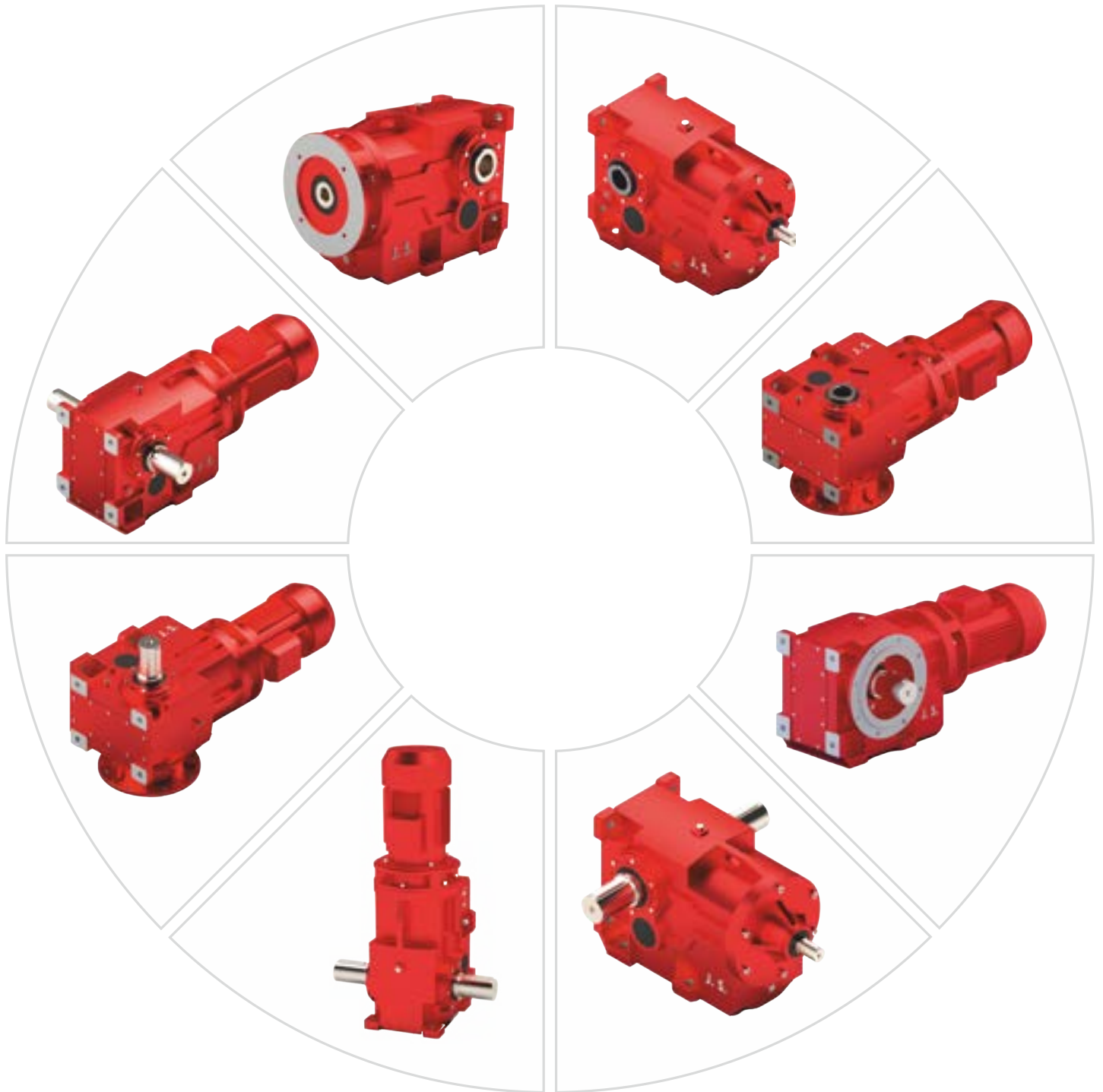
- ⚙ Input/Output shafts High Quality oil seals

Bearing

- ⚙ Roller Bearing Reputed Make

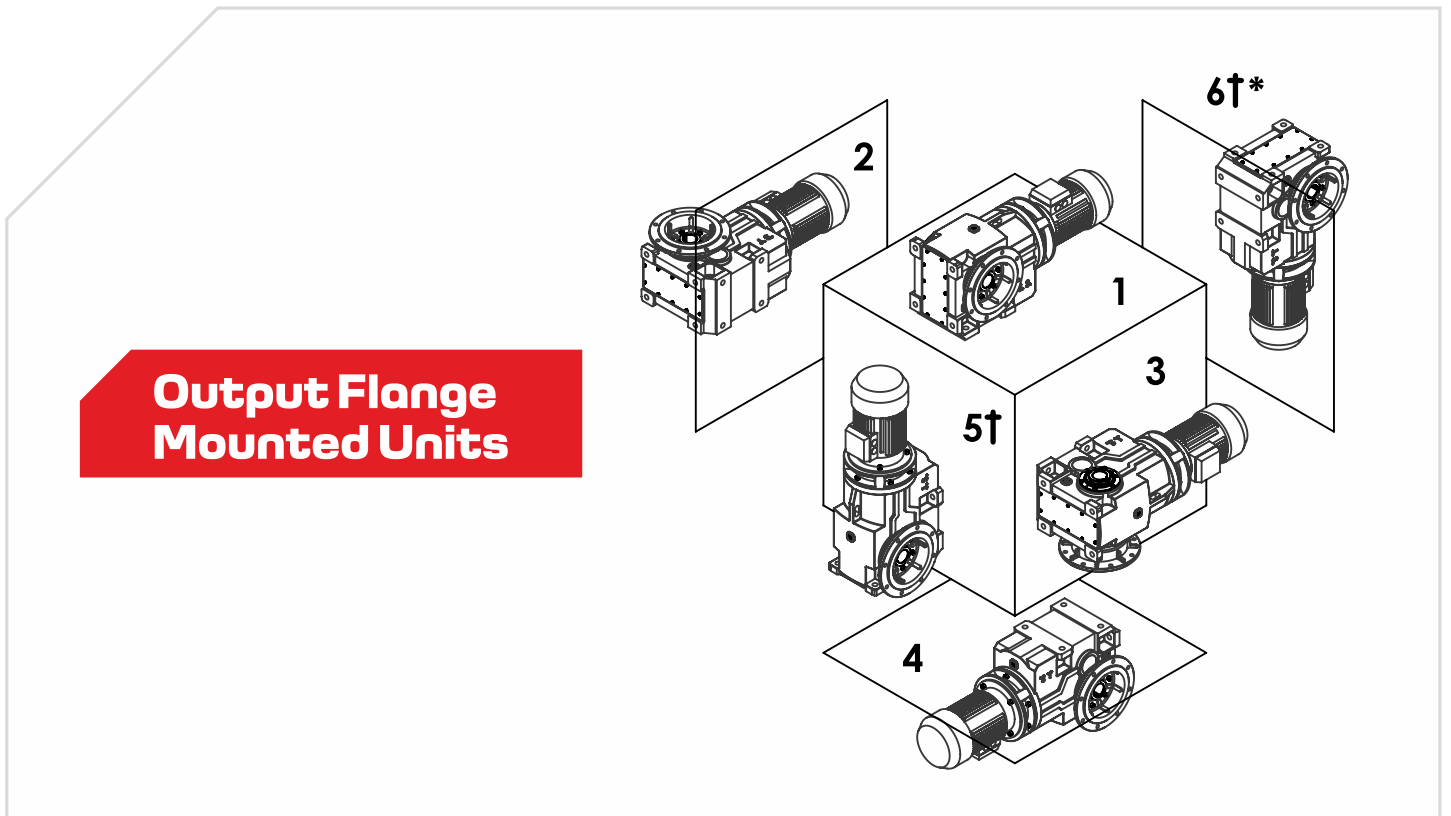
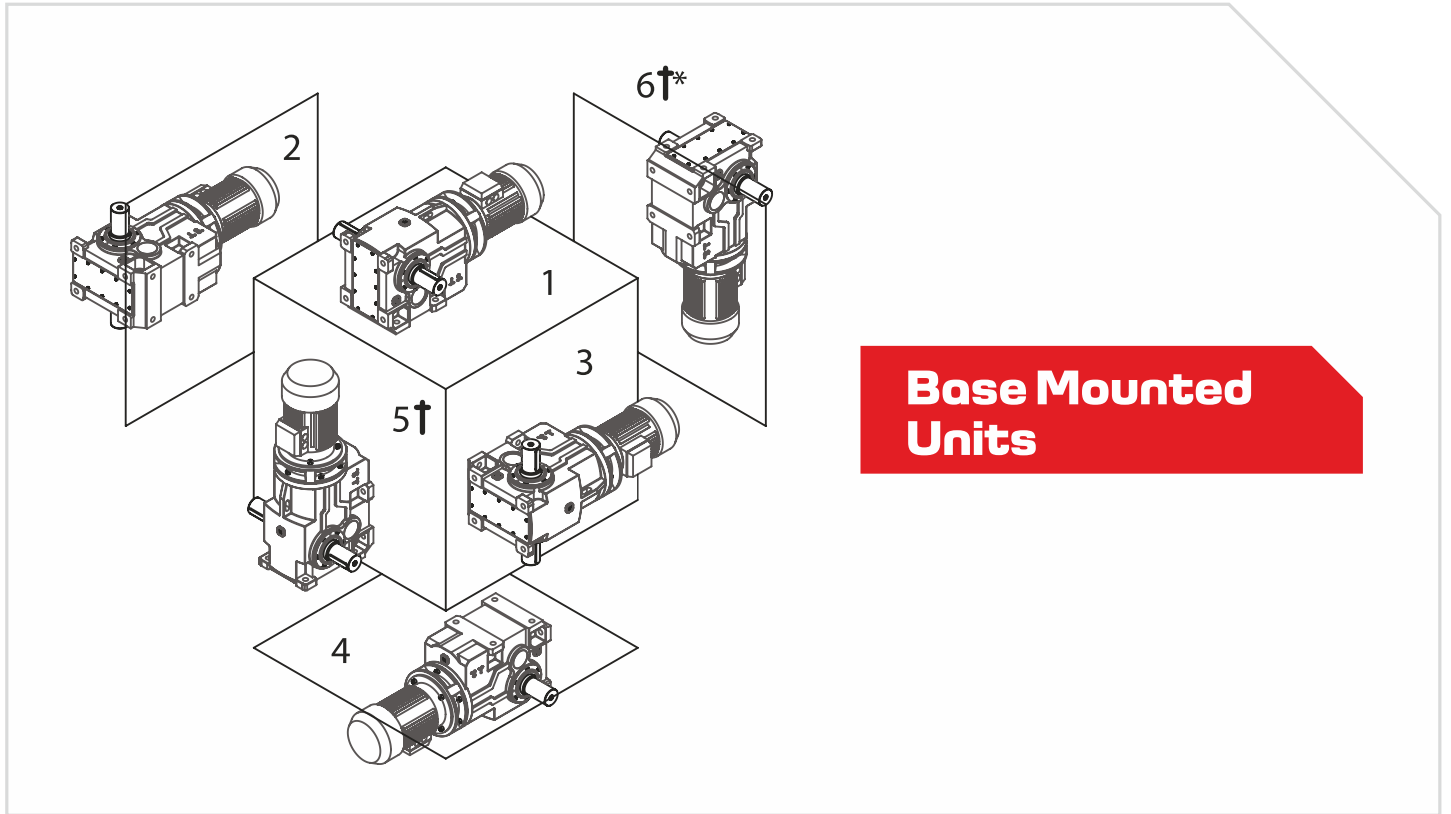
Assembly

- ⚙ Gears and housing are assembled and test-run technicians after stringent QC.
- ⚙ Bearing temperature is 100% tested during the trial operation.
- ⚙ Noise is kept below the standard 75dB*.



Mounting Positions

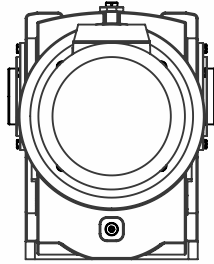
03



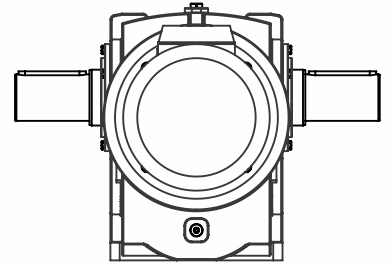
Standard Unit Handing

04

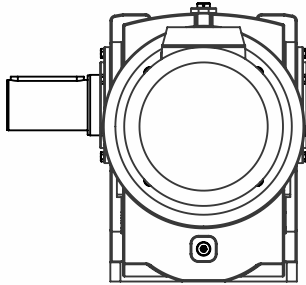
**Hollow
Shaft**



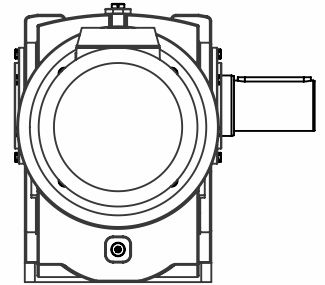
**Double
Output
Shaft**



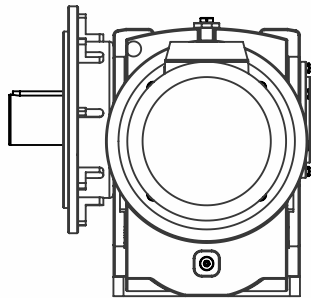
**Single
Output
Shaft
(LEFT)**



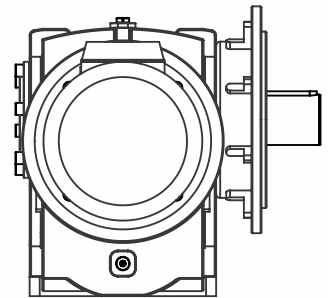
**Single
Output
Shaft
(RIGHT)**



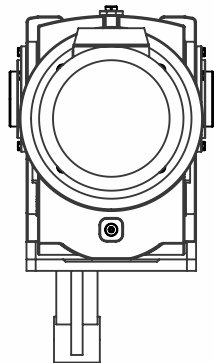
**Std Unit
With
Output
Flange
(LEFT)**



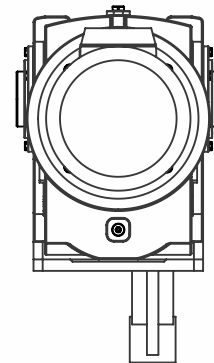
**Std Unit
With
Output
Flange
(RIGHT)**



**Std Unit
With
Torque
Bracket
(LEFT)**



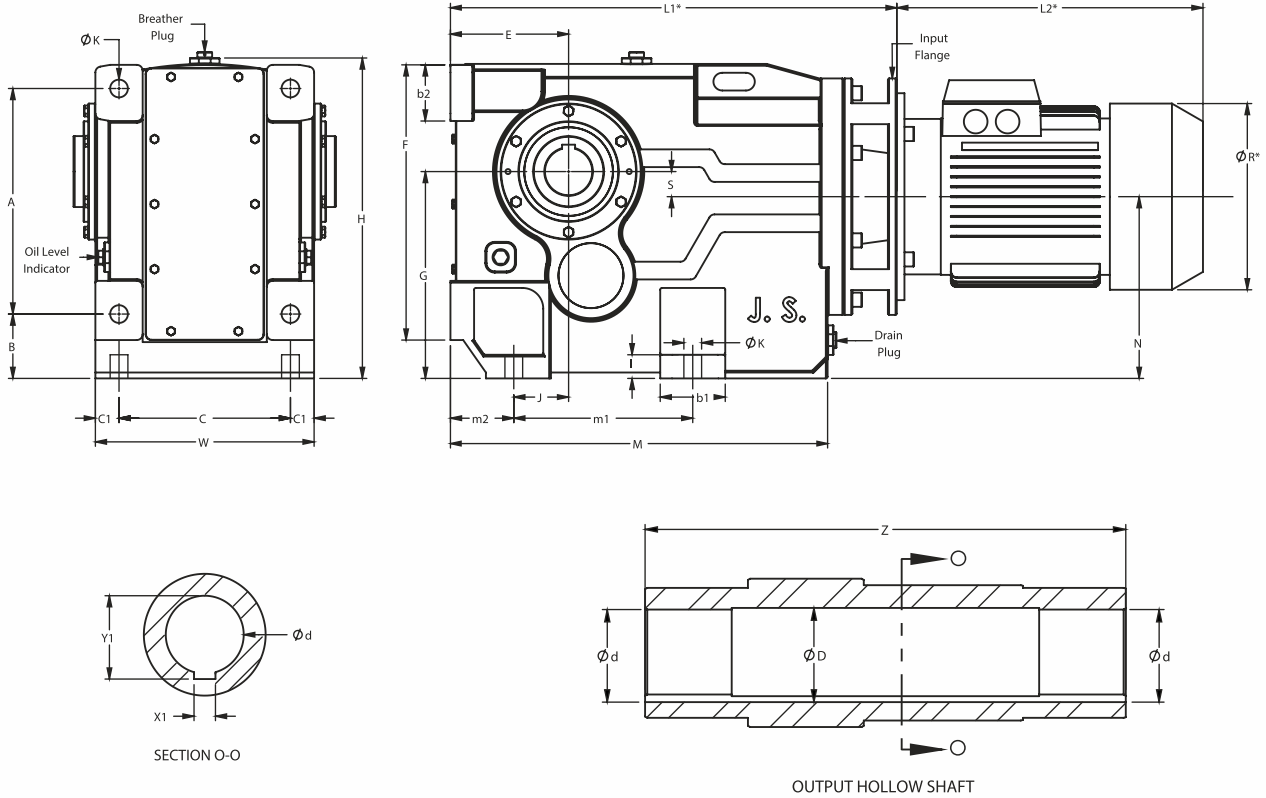
**Std Unit
With
Torque
Bracket
(RIGHT)**



Helical Bevel Geared Motor

05

Triple Reduction



Type	Output Shaft					Dimensions (mm)																Avg. Oil Wgt. Qty.							
Model	Z	Ød	ØD	X1	Y1	L1*	L2*	W	H	M	N	ØR*	E	A	B	C	c1	F	G	S	m1	m2	J	b1	b2	ØK	l	Kg	Ltr
K-7	260	50	53	14	54	515	422	220	315	425	165	260	150	205	65	180	20	270	190	25	210	65	85	70	80	18	30	85	5
K-8	305	60	63	18	64.50	560	422	260	360	475	205	260	160	230	75	210	25	315	220	15	240	75	85	90	100	22	30	125	7
K-9	370	70	73	20	75	665	607	310	430	540	255	354	190	295	80	250	30	385	265	10	270	82.50	107.50	100	100	27	35	200	10
K-10	445	80	83	22	85.50	755	685	370	540	640	307.50	394	200	380	110	290	40	466.50	350	42.50	305	105	95	110	95	30	40	350	15
K-12	465	100	105	28	106.50	890	702	400	615	715	315	450	255	440	105	320	40	550	380	65	380	112.50	142.50	120	120	35	45	450	22

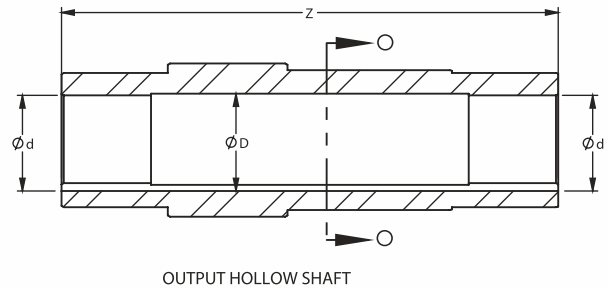
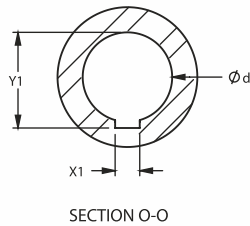
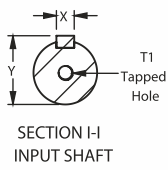
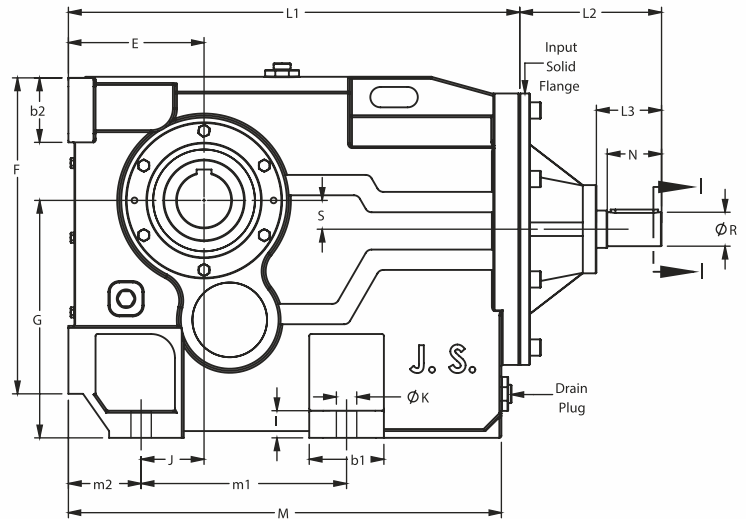
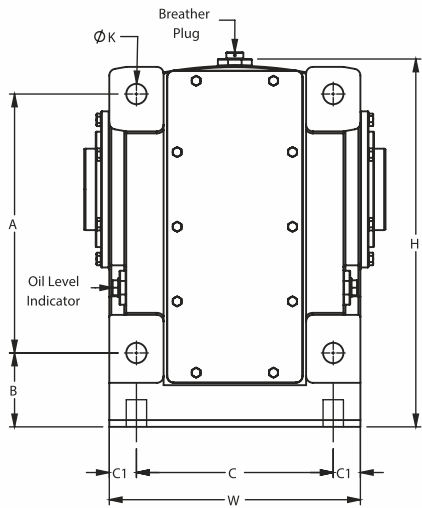
Type	MOTOR FRAME - L1*								
Model	80	90	100	112	132	160	180	200	225
K-7	480	480	515	515	515	-	-	-	-
K-8	-	-	560	560	560	-	-	-	-
K-9	-	-	630	630	630	665	665	-	-
K-10	-	-	755	755	755	755	755	755	-
K-12	-	-	890	890	890	890	890	890	890

Dimension may vary as per selection of Motor

Helical Bevel Geared Motor

06

Input Solid Shaft

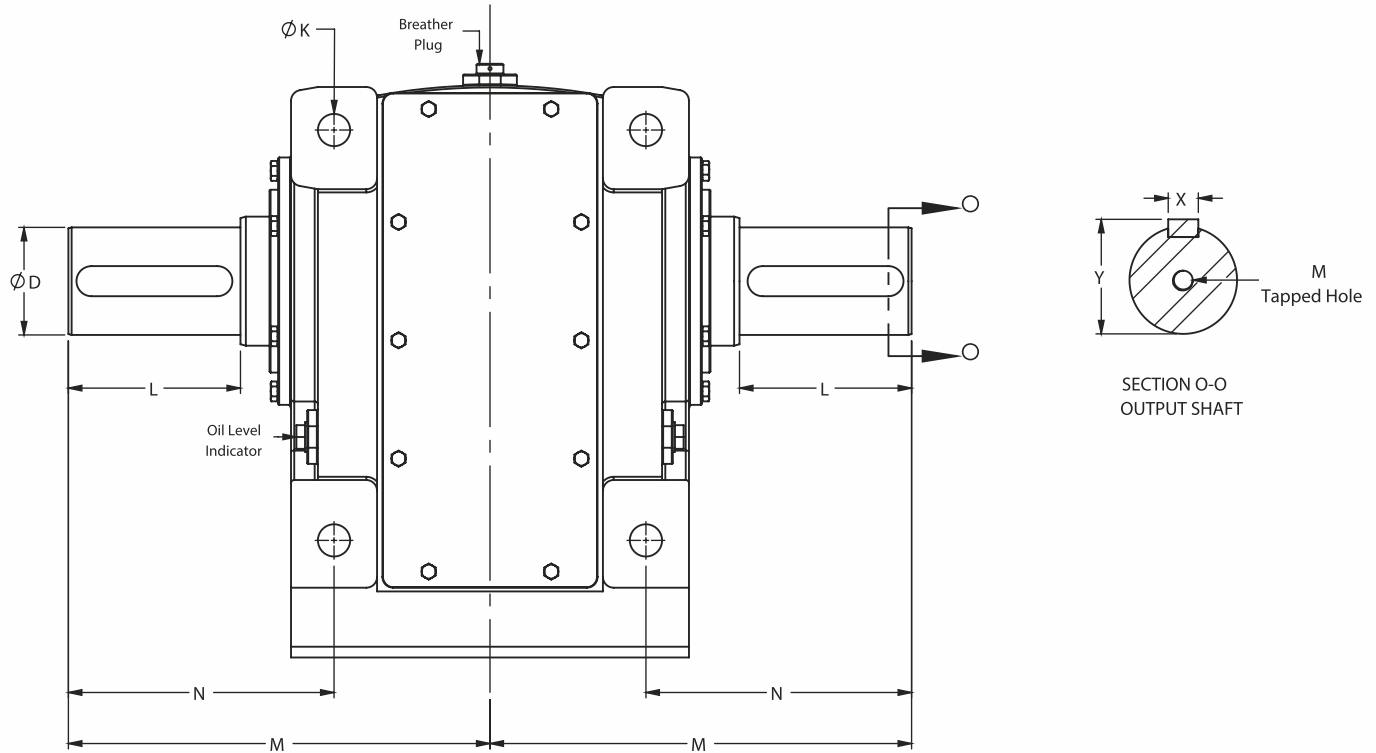


Type	Output Shaft				Input Shaft				Dimensions (mm)																	Avg. Oil Wgt. Qty.							
	Z	Ød	ØD	X1	Y1	ØR	T1	X	Y	L1	L2	L3	N	W	H	M	E	A	B	C	c1	F	G	S	m1	m2	J	b1	b2	ØK	I	Kg	Ltr
K-7	260	50	53	14	54	35	M8	10	38.50	435	135	75	60	220	315	425	150	205	65	180	20	270	190	25	210	65	85	70	80	18	30	85	5
K-8	305	60	63	18	64.50	42	M8	12	45.50	490	130	75	60	260	360	475	160	230	75	210	25	315	220	15	240	75	85	90	100	22	30	125	7
K-9	370	70	73	20	75	45	M12	14	49	565	155	85	70	310	430	540	190	295	80	250	30	385	265	10	270	82.50	107.50	100	100	27	35	200	10
K-10	445	80	83	22	85.50	50	M12	14	54	665	210	95	80	370	540	640	200	380	110	290	40	466.50	350	42.50	305	105	95	110	95	30	40	350	15
K-12	465	100	105	28	106.50	70	M16	20	75	750	260	135	120	400	615	715	255	440	105	320	40	550	380	65	380	112.50	142.50	120	120	35	45	450	22

Helical Bevel Geared Motor

07

Double Output Shaft



Type

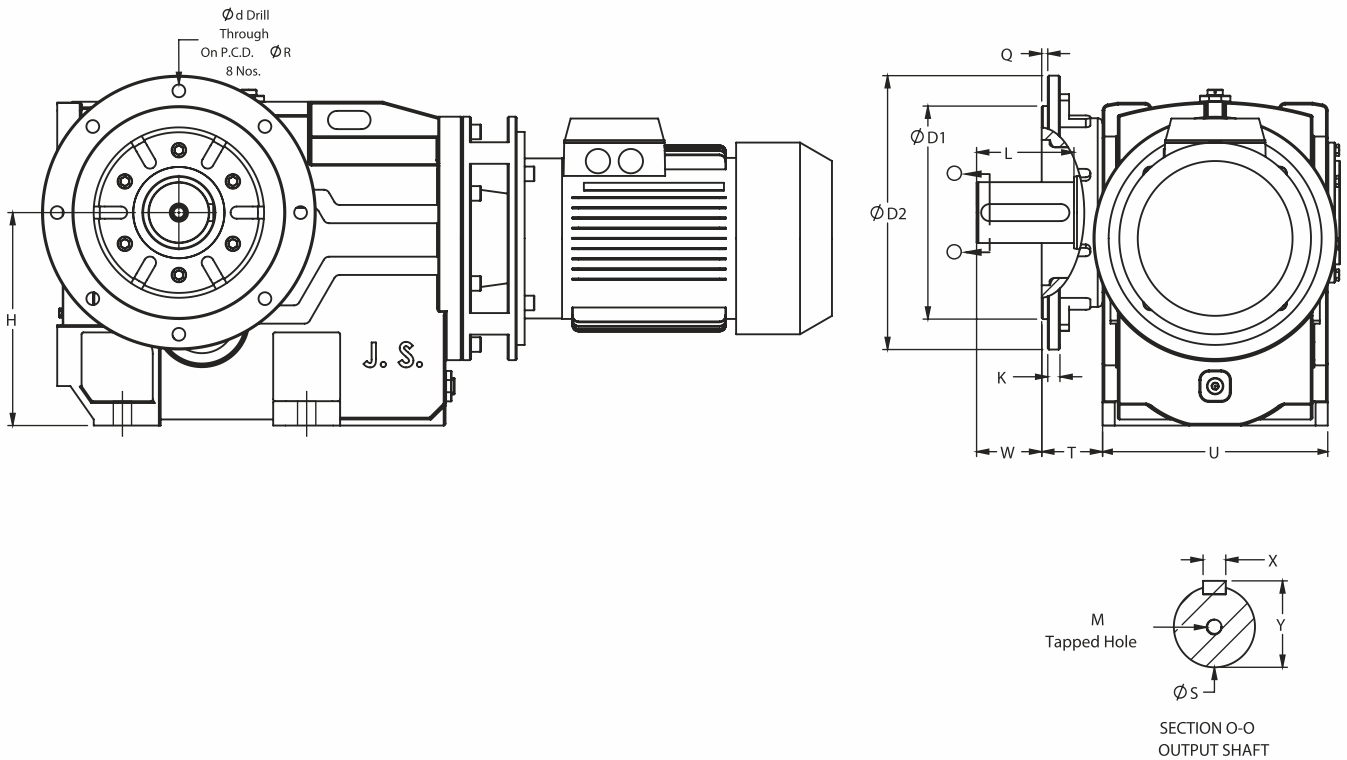
MOTOR FRAME - L1*

Model	ØD	ØK	L	N	M	X	Y	M
K-7	70	18	75	122	212	20	75	M16
K-8	80	22	100	152	257	22	85.50	M16
K-9	90	27	120	185	310	25	95.50	M16
K-10	100	30	160	247	390	28	106.50	M20
K-12	130	35	160	242	402	32	137.50	M20

Helical Bevel Geared Motor

08

Flange 



Type	Output Shaft					Dimensions (mm)									
Model	ϕS	L	X	Y	M	ϕd	ϕR	H	Q	K	$\phi D1$	$\phi D2$	W	T	U
K-7	70	75	20	75	M16	14	255	190	10	10	225	290	35	65	220
K-8	80	100	22	85.50	M16	14	295	220	10	15	260	330	55	70	260
K-9	90	120	25	95.50	M16	17.50	350	265	10	15	300	400	85	70	310
K-10	100	160	28	106.50	M20	21	400	350	10	20	350	450	105	100	370
K-12	130	160	32	137.50	M20	21	450	380	10	20	400	500	110	90	400

Selection Tables For Geared Motors

09

2.2 KW 4 POLE

N2 R/Min Output Speed	i Ratio	N.m Output Torque	Fm Service Factor	N Overhung Load	Unit
54	26.52	320	3.36	11305	K-07
54	26.52	321	3.35	11305	
49	29.17	352	3.14	11475	
49	29.17	354	3.13	11475	
43	33.52	404	2.82	11815	
42	33.52	405	2.81	11815	
37	38.01	457	2.52	12155	
37	38.01	459	2.52	12155	
34	41.92	504	2.29	12410	
34	41.92	507	2.28	12410	
30	48.01	577	2.00	11885	
30	48.01	580	2.00	11885	
26	54.28	653	1.77	11815	
26	54.28	655	1.76	11815	
23	62.94	755	1.53	11589	
23	62.94	757	1.52	11589	
19	75.07	900	1.28	11427	
19	75.07	904	1.28	11427	
17	82.21	985	1.17	11331	
17	82.21	989	1.17	11331	
14	98.65	1180	0.98	11764	
14	98.65	1184	0.98	11764	
28	51.54	620	3.12	16027	K-08
23	62.47	751	2.58	16649	
20	72.86	875	2.21	16997	
18	80.03	960	2.01	16940	
15	98.08	1177	1.64	16436	
18	77.78	935	2.92	28900	K-09
17	84.89	1017	2.99	28900	
15	93.71	1121	2.71	28900	

Selection Tables For Geared Motors

10

2.2 KW 6 POLE

N2 R/Min Output Speed	i Ratio	N.m Output Torque	Fm Service Factor	N Overhung Load	Unit
36	26.52	479	2.41	12240	K-07
33	29.17	528	2.18	12495	
28	33.52	607	1.90	11858	
25	38.01	687	1.68	11781	
23	41.92	757	1.52	11704	
20	48.01	866	1.33	11073	
18	54.28	981	1.18	10867	
15	62.94	1136	1.02	11082	
13	75.07	1349	0.86	10262	
12	82.21	1482	0.78	9682	
26	36.88	666	2.91	16320	K-08
24	40.36	729	2.65	16575	
21	45.66	825	2.35	17000	
18	51.54	931	2.08	16930	
15	62.47	1127	1.72	16730	
13	72.86	1312	1.48	15895	
12	80.03	1442	1.34	15525	
10	98.08	1764	1.10	14793	
16	60.10	1082	2.81	28900	K-09
13	70.45	1271	2.15	28900	
12	77.78	1403	1.95	28900	
11	84.89	1527	1.99	28900	
10	93.71	1685	1.80	28900	

Selection Tables For Geared Motors

11

3.00 KW 4 POLE

N2 R/Min Output Speed	i Ratio	N.m Output Torque	Fm Service Factor	N Overhung Load	Unit
54	26.52	436	2.47	10651	K-07
49	29.17	480	2.30	10764	
43	33.52	551	2.07	10997	
37	38.01	624	1.85	11226	
34	41.92	688	1.68	11379	
30	48.01	787	1.47	10896	
26	54.28	891	1.30	10747	
23	62.94	1029	1.12	10745	
19	75.07	1228	0.94	10466	
17	82.21	1343	0.86	10299	
14	98.65	1609	0.72	11220	
39	36.88	604	3.20	12920	
35	40.36	662	2.92	12920	
31	45.66	749	2.58	12920	
28	51.54	846	2.29	14968	
23	62.47	1023	1.89	15371	
20	72.86	1193	1.62	15538	
18	80.03	1309	1.48	15414	
15	98.08	1606	1.21	15100	
24	60.10	983	3.09	28900	K-09
20	70.45	1155	2.36	28900	
18	77.78	1275	2.14	28900	
17	84.89	1386	2.19	28900	
15	93.71	1529	1.99	28900	
14	99.70	1636	3.17	36890	K-10

Selection Tables For Geared Motors

12

3.00 KW 6 POLE

N2 R/Min Output Speed	i Ratio	N.m Output Torque	Fm Service Factor	N Overhung Load	Unit
71	13.37	328	2.44	10030	K-07
65	14.71	361	2.44	10285	
50	19.21	472	2.24	10795	
44	21.84	537	2.04	10965	
36	26.52	650	1.78	11265	
33	29.17	717	1.62	11410	
28	33.52	823	1.40	10840	
25	38.01	932	1.24	10674	
23	41.92	1028	1.12	10509	
20	48.01	1175	0.99	9853	
18	54.28	1331	0.87	9498	
15	62.94	1541	0.75	9870	
38	25.35	624	3.10	14195	K-08
33	28.56	701	2.76	14535	
29	33.24	815	2.37	14875	
26	36.88	904	2.14	16320	
24	40.36	989	1.96	16575	
21	45.66	1119	1.73	17000	
19	51.54	1262	1.53	15394	
15	62.47	1530	1.27	14964	
13	72.86	1779	1.09	14164	
12	80.03	1957	0.99	13525	
10	98.08	2394	0.81	12260	
21	44.89	1101	2.48	28900	K-09
19	49.87	1223	2.24	28900	
18	54.09	1322	2.30	28900	
16	60.10	1468	2.07	28900	
14	70.45	1724	1.58	28900	
12	77.78	1903	1.44	28900	
11	84.89	2071	1.47	28900	
10	93.71	2286	1.33	28900	
12	82.83	2029	2.56	36890	K-10
11	86.53	2118	2.45	36890	
10	99.70	2438	2.13	36890	

Selection Tables For Geared Motors

13

3.7 KW 4 POLE

N2 R/Min Output Speed	i Ratio	N.m Output Torque	Fm Service Factor	N Overhung Load	Unit
107	13.37	269	2.98	8755	K-07
98	14.71	296	2.98	8925	
75	19.21	387	2.53	9350	
66	21.84	440	2.30	9520	
54	26.52	535	2.01	9834	
49	29.17	588	1.88	9874	
43	33.52	675	1.69	9976	
38	38.01	765	1.52	10065	
34	41.92	843	1.38	10091	
30	48.01	965	1.19	9660	
26	54.28	1091	1.06	9412	
23	62.94	1261	0.85	9690	
19	75.07	1505	0.77	9265	
57	25.35	510	3.46	12325	K-08
50	28.56	575	3.19	12665	
43	33.24	669	2.87	12920	
39	36.88	740	2.63	12589	
36	40.36	811	2.38	12589	
31	45.66	918	2.13	12589	
28	51.54	1036	1.87	13643	
23	62.47	1255	1.55	13774	
20	72.86	1460	1.33	13714	
18	80.03	1604	1.21	13507	
15	98.08	1967	0.99	13430	
32	44.89	903	3.03	28900	K-09
29	49.87	1001	2.74	28900	
27	54.09	1088	2.80	28900	
24	60.10	1205	2.53	28900	
20	70.45	1415	1.96	28900	
18	77.78	1562	1.70	28900	
17	84.89	1697	1.79	28900	
15	93.71	1874	1.63	28900	
20	71.89	1447	3.60	36890	K-10
17	82.83	1668	3.12	36890	
17	86.53	1744	2.98	36890	
14	99.70	2004	2.59	36880	

Selection Tables For Geared Motors

14

3.7 KW 6 POLE

N2 R/Min Output Speed	i Ratio	N.m Output Torque	Fm Service Factor	N Overhung Load	Unit
72	13.37	404	1.99	9418	K-07
65	14.71	444	1.99	9605	
50	19.21	579	1.83	9911	
44	21.84	660	1.67	9965	
36	26.52	798	1.45	10047	
33	29.17	880	1.32	10056	
29	33.52	1011	1.16	9568	
25	38.01	1143	1.01	9291	
23	41.92	1261	0.85	9015	
20	48.01	1442	0.81	8329	
52	18.41	556	3.26	12580	K-08
46	20.67	624	3.02	12835	
38	25.35	766	2.53	13643	
34	28.56	860	2.25	13908	
29	33.24	1001	1.95	14153	
26	36.88	1109	1.70	16320	
24	40.36	1215	1.61	16575	
21	45.66	1373	1.41	17000	
19	51.54	1550	1.26	13473	
15	62.47	1877	1.04	12757	
13	72.86	2184	0.88	12000	
12	80.03	2401	0.82	11025	
21	44.89	1352	2.04	28900	K-09
19	49.87	1501	1.83	28900	
18	54.09	1623	1.88	28900	
16	60.10	1802	1.69	28900	
14	70.45	2116	1.28	28900	
12	77.78	2336	1.17	28900	
11	84.89	2542	1.19	28900	
10	93.71	2805	1.09	28900	
18	54.61	1639	3.17	36890	K-10
16	60.68	1807	2.81	36890	
13	71.89	2174	2.38	36890	
12	82.83	2491	2.09	36876	
11	86.53	2599	2.00	36876	
10	99.70	2991	1.74	36858	

Selection Tables For Geared Motors

15

5.5 KW 4 POLE

N2 R/Min Output Speed	i Ratio	N.m Output Torque	Fm Service Factor	N Overhung Load	Unit
108	13.37	399	2.01	8139	K-07
98	14.71	438	2.01	8249	
75	19.21	572	1.70	8470	
66	21.84	652	1.55	8523	
54	26.52	792	1.36	8608	
49	29.17	871	1.27	8542	
43	33.52	1000	1.14	8445	
38	38.01	1132	1.02	8323	
34	41.92	1249	0.93	8160	
30	48.01	1429	0.81	7807	
27	54.28	1616	0.71	7409	
78	18.41	549	3.03	10804	
70	20.67	615	2.76	10974	
57	25.35	756	2.33	12011	
50	28.56	850	2.15	12305	
43	33.24	989	1.94	12514	
39	36.88	1097	1.77	12093	
36	40.36	1201	1.62	12093	
32	45.66	1359	1.43	12093	
28	51.54	1534	1.26	11658	
23	62.47	1857	1.05	11379	
20	72.86	2163	0.89	10977	
18	80.03	2376	0.82	10645	
32	44.89	1338	2.04	28900	K-09
29	49.87	1482	1.84	28900	
27	54.09	1611	1.89	28900	
24	60.10	1785	1.70	28900	
20	70.45	2095	1.30	28900	
19	77.78	2314	1.18	28900	
17	84.89	2514	1.21	28900	
15	93.71	2775	1.10	28900	
26	54.61	1627	3.20	36890	K-10
24	60.68	1810	2.87	36890	
20	71.89	2142	2.42	36890	
17	82.83	2470	2.10	36890	
17	86.53	2583	2.01	36890	
14	99.70	2968	1.75	36866	
16	89.89	2655	3.35	52445	K-12

Selection Tables For Geared Motors

16

5.5 KW 6 POLE

N2 R/Min Output Speed	i Ratio	N.m Output Torque	Fm Service Factor	N Overhung Load	Unit
72	13.37	599	1.33	8500	K-07
65	14.71	659	1.33	8585	
50	19.21	860	1.22	8585	
44	21.84	980	1.12	8466	
36	26.52	1187	0.98	8220	
33	29.17	1307	0.88	8024	
29	33.52	1502	0.77	7659	
25	38.01	1700	0.68	7217	
75	12.80	572	2.69	11280	K-08
67	14.24	639	2.64	11566	
52	18.41	826	2.19	12033	
46	20.67	927	2.02	12233	
38	25.35	1139	1.70	12814	
34	28.56	1279	1.51	12968	
29	33.24	1488	1.30	13069	
26	36.88	1648	1.17	16320	
24	40.36	1805	1.07	16575	
21	45.66	2040	0.95	17000	
19	51.54	2303	0.84	10591	
15	62.47	2790	0.70	9446	
21	44.89	2008	1.36	28900	K-09
19	49.87	2231	1.22	28900	
18	54.09	2411	1.26	28900	
16	60.10	2678	1.14	28900	
14	70.45	3144	0.87	28900	
12	77.78	3471	0.79	28900	
11	84.89	3777	0.81	28900	
10	93.71	4169	0.73	28900	
21	45.37	2037	2.55	36890	K-10
19	50.41	2256	2.30	36890	
18	54.61	2435	2.13	36890	
16	60.68	2711	1.91	36882	
13	71.89	3232	1.61	36881	
12	82.83	3702	1.40	36854	
11	86.53	3863	1.34	36854	
10	99.70	4446	1.16	36810	
13	74.62	3327	2.63	52445	K-12
12	83.10	3697	2.36	52445	
11	89.89	3992	2.23	52445	

Selection Tables For Geared Motors

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7.5 KW 4 POLE

N2 R/Min Output Speed	i Ratio	N.m Output Torque	Fm Service Factor	N Overhung Load	Unit
108	13.37	541	1.48	7319	K-07
98	14.71	595	1.48	7348	
75	19.21	778	1.25	7297	
66	21.84	887	1.14	7195	
54	26.52	1077	1.00	6973	
50	29.17	1185	0.94	6763	
43	33.52	1358	0.84	6402	
38	38.01	1539	0.75	6001	
34	41.92	1697	0.68	5585	
113	12.80	519	2.82	9977	K-08
101	14.24	575	2.68	10147	
78	18.41	746	2.23	10605	
70	20.67	835	2.03	10775	
57	25.35	1027	1.72	11594	
51	28.56	1156	1.58	11826	
43	33.24	1345	1.42	11973	
39	36.88	1490	1.30	11433	
36	40.36	1632	1.19	11433	
32	45.66	1847	1.05	11433	
28	51.54	2085	0.93	9010	
23	62.47	2525	0.77	8186	
32	44.89	1817	1.50	28900	K-09
29	49.87	2015	1.35	28900	
27	54.09	2189	1.39	28900	
24	60.10	2426	1.25	28900	
21	70.45	2848	0.96	28900	
19	77.78	3144	0.87	28900	
17	84.89	3417	0.89	28900	
15	93.71	3771	0.81	28900	
32	45.37	1839	2.82	30260	K-10
29	50.41	2043	2.54	30260	
26	54.61	2211	2.35	36890	
24	60.68	2459	2.11	36890	
20	71.89	2910	1.79	36890	
17	82.83	3357	1.55	36890	
17	86.53	3511	1.48	36890	
14	99.70	4034	1.28	36848	
19	74.62	3012	2.90	52445	K-12
17	83.10	3351	2.61	52445	
16	89.89	3609	2.47	52445	

Selection Tables For Geared Motors

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7.5 KW 6 POLE

N2 R/Min Output Speed	i Ratio	N.m Output Torque	Fm Service Factor	N Overhung Load	Unit
75	12.80	780	1.97	10795	K-08
67	14.24	872	1.94	11008	
52	18.41	1126	1.61	11305	
46	20.67	1265	1.49	11433	
38	25.35	1553	1.25	11709	
34	28.56	1745	1.11	11714	
29	33.24	2029	0.95	11624	
26	36.88	2247	0.86	16320	
24	40.36	2462	0.79	16575	
21	45.66	2782	0.70	17000	
64	14.94	910	3.20	28900	K-09
54	17.93	1092	2.46	28900	
48	20.03	1220	2.24	28900	
44	21.61	1315	2.31	28900	
40	24.14	1466	2.07	28900	
35	27.78	1697	1.61	28900	
30	31.67	1928	1.42	28900	
29	33.47	2033	1.50	28900	
25	38.16	2313	1.32	28900	
21	44.89	2738	0.99	28900	
19	49.87	3042	0.90	28900	
18	54.09	3289	0.93	28900	
16	60.10	3651	0.83	28900	
29	33.10	2028	2.56	30260	K-10
27	35.19	2151	2.41	30260	
24	39.84	2438	2.13	30260	
21	45.37	2778	1.87	36890	
19	50.41	3076	1.69	36890	
18	54.61	3321	1.56	36890	
16	60.68	3696	1.40	36873	
13	71.89	4407	1.18	36869	
12	82.83	5047	1.03	36826	
11	86.53	5268	0.99	36826	
10	99.70	6062	0.86	36746	
18	52.76	3214	2.72	52445	K-12
17	56.39	3424	2.59	52445	
15	63.57	3862	2.30	52445	
13	74.62	4537	1.93	52445	
12	83.10	5041	1.73	52445	
11	89.89	5445	1.63	52445	

Selection Tables For Geared Motors

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9 KW 4 POLE	N2 R/Min Output Speed	i Ratio	N.m Output Torque	Fm Service Factor	N Overhung Load	Unit
	108	13.37	666	1.20	6621	K-07
	98	14.71	733	1.20	6582	
	75	19.21	957	1.02	6300	
	66	21.84	1091	0.93	6066	
	54	26.52	1325	0.82	5585	
	49	29.17	1458	0.76	5253	
	43	33.52	1672	0.68	4667	

Selection Tables For Geared Motors

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11 KW 4 POLE

N2 R/Min Output Speed	i Ratio	N.m Output Torque	Fm Service Factor	N Overhung Load	Unit
113	12.80	759	1.93	9724	K-08
102	14.24	840	1.83	9894	
79	18.41	1091	1.52	10258	
70	20.67	1221	1.39	10428	
57	25.35	1500	1.17	10864	
51	28.56	1689	1.08	10988	
44	33.24	1966	0.98	11026	
39	36.88	2179	0.89	10275	
36	40.36	2386	0.81	10275	
32	45.66	2700	0.71	10275	
117	12.40	731	3.09	28900	K-09
109	13.33	786	3.31	28900	
97	14.94	881	3.09	28900	
81	17.93	1063	2.36	28900	
72	20.03	1184	2.17	28900	
67	21.61	1276	2.35	28900	
60	24.14	1425	2.13	28900	
52	27.78	1639	1.66	28900	
46	31.67	1879	1.45	28900	
43	33.47	1978	1.54	28900	
38	38.16	2249	1.35	28900	
32	44.89	2657	1.03	28900	
29	49.87	2945	0.93	28900	
27	54.09	3200	0.95	28900	
24	60.10	3546	0.86	28900	
44	33.10	1965	2.64	30263	K-10
41	35.19	2088	2.49	30263	
36	39.84	2359	2.20	30264	
32	45.37	2689	1.93	30246	
29	50.41	2988	1.74	30239	
27	54.61	3232	1.61	36890	
24	60.68	3595	1.45	36890	
20	71.89	4254	1.22	36890	
18	82.83	4906	1.06	36890	
17	86.53	5131	1.01	36890	
15	99.70	5896	0.88	36814	
31	46.81	2773	3.15	52530	K-12
27	52.76	3125	2.80	52530	
26	56.39	3324	2.68	52557	
23	63.57	3746	2.37	52557	
19	74.62	4401	1.99	52008	
17	83.10	4897	1.79	52008	
16	89.89	5275	1.68	52445	

Selection Tables For Geared Motors

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11 KW 6 POLE

N2 R/Min Output Speed	i Ratio	N.m Output Torque	Fm Service Factor	N Overhung Load	Unit
75	12.80	1138	1.35	9945	K-08
68	14.24	1272	1.33	10030	
52	18.41	1644	1.11	10030	
47	20.67	1845	1.02	10030	
38	25.35	2266	0.86	9775	
34	28.56	2546	0.76	9520	
78	12.40	1104	2.19	28900	K-09
72	13.33	1185	2.38	28900	
65	14.94	1329	2.19	28900	
54	17.93	1594	1.68	28900	
48	20.03	1780	1.53	28900	
45	21.61	1919	1.58	28900	
40	24.14	2139	1.42	28900	
35	27.78	2475	1.11	28900	
30	31.67	2813	0.97	28900	
29	33.47	2967	1.03	28900	
25	38.16	3375	0.90	28900	
21	44.89	3995	0.68	28900	
43	22.35	1990	2.61	30260	K-10
40	24.13	2150	2.41	30260	
33	29.24	2612	1.99	30260	
29	33.10	2959	1.76	30220	
27	35.19	3139	1.66	30220	
24	39.84	3557	1.46	30220	
21	45.37	4053	1.28	36890	
19	50.41	4488	1.16	36890	
18	54.61	4846	1.07	36890	
16	60.68	5393	0.96	36857	
13	71.89	6430	0.81	36848	
12	82.83	7365	0.71	36776	
28	34.93	3108	2.86	52445	K-12
24	39.55	3520	2.52	52445	
21	46.81	4168	2.10	52445	
18	52.76	4689	1.86	52421	
17	56.39	4995	1.78	52414	
15	63.57	5636	1.58	52414	
13	74.62	6620	1.32	52445	
12	83.10	7356	1.19	52445	
11	89.89	7945	1.12	52445	

Selection Tables For Geared Motors

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15 KW 4 POLE

N2 R/Min Output Speed	i Ratio	N.m Output Torque	Fm Service Factor	N Overhung Load	Unit
114	12.80	1031	1.42	9435	K-08
102	14.24	1142	1.35	9605	
79	18.41	1483	1.12	9860	
70	20.67	1658	1.02	10030	
57	25.35	2039	0.87	10030	
51	28.56	2296	0.80	10030	
44	33.24	2672	0.71	9945	
117	12.40	994	2.28	28900	K-09
109	13.33	1068	2.43	28900	
97	14.94	1197	2.28	28900	
81	17.93	1445	1.74	28900	
73	20.03	1609	1.60	28900	
67	21.61	1734	1.73	28900	
60	24.14	1938	1.57	28900	
52	27.78	2228	1.22	28900	
46	31.67	2554	1.07	28900	
43	33.47	2688	1.13	28900	
38	38.16	3057	0.99	28900	
32	44.89	3611	0.76	28900	
29	49.87	4002	0.68	28900	
27	54.09	4349	0.70	28900	
73	20.05	1616	3.20	30260	K-10
65	22.35	1798	2.89	30260	
60	24.13	1939	2.68	30260	
50	29.24	2360	2.20	30260	
44	33.10	2671	1.95	30250	
41	35.19	2836	1.83	30250	
37	39.84	3205	1.62	30246	
32	45.37	3654	1.42	30231	
29	50.41	4060	1.28	30216	
27	54.61	4392	1.18	36890	
24	60.68	4885	1.06	36890	
20	71.89	5782	0.90	36890	
18	82.83	6668	0.78	36890	
17	86.53	6973	0.75	36890	
44	32.83	2650	3.30	52445	K-12
42	34.93	2806	3.17	52249	
37	39.55	3182	2.79	52249	
31	46.81	3768	2.32	52190	
28	52.76	4247	2.06	52190	
26	56.39	4517	1.96	52108	
23	63.57	5091	1.74	52108	
19	74.62	5981	1.46	51510	
18	83.10	6656	1.32	51510	
16	89.89	7169	1.24	52445	

Selection Tables For Geared Motors

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15 KW 6 POLE

N2 R/Min Output Speed	i Ratio	N.m Output Torque	Fm Service Factor	N Overhung Load	Unit
78	12.40	1499	1.62	28900	K-09
73	13.33	1608	1.75	28900	
65	14.94	1803	1.62	28900	
54	17.93	2162	1.24	28900	
48	20.03	2414	1.13	28900	
45	21.61	2604	1.16	28900	
40	24.14	2903	1.05	28900	
35	27.78	3358	0.82	28900	
31	31.67	3816	0.71	28900	
29	33.47	4024	0.76	28900	
70	13.89	1678	2.97	30260	
64	15.11	1825	2.85	30260	
52	18.57	2251	2.30	30260	
48	20.05	2425	2.14	30260	
43	22.35	2700	1.92	30206	
40	24.13	2917	1.78	30206	
33	29.24	3544	1.46	30206	
29	33.10	4014	1.29	30175	
28	35.19	4259	1.22	30175	
24	39.84	4825	1.08	30175	
21	45.37	5498	0.94	36890	
19	50.41	6089	0.85	36890	
18	54.61	6574	0.79	36890	
16	60.68	7316	0.71	36837	
33	28.99	3510	2.49	52445	K-12
30	32.83	3975	2.20	52445	
28	34.93	4217	2.11	52421	
25	39.55	4775	1.86	52421	
21	46.81	5654	1.55	52414	
18	52.76	6361	1.38	52394	
17	56.39	6777	1.31	52380	
15	63.57	7645	1.16	52380	
13	74.62	8981	0.98	52445	
12	83.10	9979	0.88	52445	
11	89.89	10778	0.82	52445	

Selection Tables For Geared Motors

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18.5 KW 4 POLE

N2 R/Min Output Speed	i Ratio	N.m Output Torque	Fm Service Factor	N Overhung Load	Unit
119	12.40	1213	1.86	28900	K-09
110	13.33	1304	2.00	28900	
98	14.94	1461	1.86	28900	
82	17.93	1764	1.43	28900	
73	20.03	1964	1.31	28900	
68	21.61	2117	1.42	28900	
61	24.14	2366	1.28	28900	
53	27.78	2719	1.00	28900	
46	31.67	3119	0.88	28900	
44	33.47	3281	0.93	28900	
39	38.16	3732	0.82	28900	
79	18.57	1828	2.78	30260	
73	20.05	1972	2.63	30250	
66	22.35	2195	2.36	30250	
61	24.13	2367	2.19	30250	
50	29.24	2882	1.80	30250	
44	33.10	3261	1.59	30238	
42	35.19	3463	1.50	30238	
37	39.84	3913	1.33	30229	
32	45.37	4461	1.16	30218	
29	50.41	4956	1.05	30195	
27	54.61	5361	0.97	36890	
24	60.68	5964	0.87	36890	
20	71.89	7058	0.74	36890	
45	32.83	3235	2.70	52281	K-12
42	34.93	3425	2.59	52021	
37	39.55	3885	2.29	52021	
31	46.81	4599	1.90	51893	
28	52.76	5184	1.68	51893	
26	56.39	5514	1.62	51716	
23	63.57	6214	1.43	51716	
20	74.62	7302	1.20	51073	
18	83.10	8124	1.08	51073	
16	89.89	8752	1.01	52445	

Selection Tables For Geared Motors

25

18.5 KW 6 POLE

N2 R/Min Output Speed	i Ratio	N.m Output Torque	Fm Service Factor	N Overhung Load	Unit
79	12.40	1839	1.32	28900	K-09
73	13.33	1973	1.43	28900	
65	14.94	2213	1.32	28900	
54	17.93	2654	1.01	28900	
49	20.03	2962	0.92	28900	
45	21.61	3195	0.95	28900	
40	24.14	3562	0.85	28900	
78	12.55	1865	2.41	30260	K-10
70	13.89	2059	2.41	30201	
65	15.11	2240	2.32	30201	
53	18.57	2762	1.88	30201	
49	20.05	2976	1.74	30201	
44	22.35	3312	1.56	30159	
40	24.13	3579	1.45	30159	
33	29.24	4348	1.20	30159	
29	33.10	4926	1.05	30135	
28	35.19	5226	0.99	30135	
24	39.84	5921	0.88	30135	
21	45.37	6746	0.77	36890	
19	50.41	7471	0.70	36890	
75	12.96	1924	2.90	52445	
69	14.21	2104	2.90	52445	
62	15.61	2314	2.90	52445	
54	18.20	2692	2.90	52445	
48	20.17	2991	2.90	52445	
44	21.93	3250	2.74	52445	
40	24.29	3600	2.47	52445	
34	28.99	4306	2.03	52422	
30	32.83	4878	1.79	52422	
28	34.93	5175	1.72	52401	
25	39.55	5859	1.51	52401	
21	46.81	6939	1.26	52388	
18	52.76	7806	1.12	52370	
17	56.39	8316	1.07	52350	
15	63.57	9381	0.94	52350	
13	74.62	11020	0.79	52445	
12	83.10	12244	0.71	52445	

Selection Tables For Geared Motors

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22 KW 4 POLE

N2 R/Min Output Speed	i Ratio	N.m Output Torque	Fm Service Factor	N Overhung Load	Unit
119	12.40	1443	1.56	28900	K-09
110	13.33	1551	1.67	28900	
98	14.94	1738	1.56	28900	
82	17.93	2097	1.20	28900	
73	20.03	2337	1.10	28900	
68	21.61	2518	1.19	28900	
61	24.14	2814	1.08	28900	
53	27.78	3234	0.84	28900	
46	31.67	3709	0.74	28900	
44	33.47	3902	0.78	28900	
117	12.55	1468	3.03	30260	K-10
106	13.89	1623	3.06	30260	
97	15.11	1765	2.94	30248	
79	18.57	2175	2.34	30248	
73	20.05	2345	2.20	30240	
66	22.35	2610	1.99	30240	
61	24.13	2815	1.84	30240	
50	29.24	3426	1.51	30240	
44	33.10	3878	1.34	30226	
42	35.19	4118	1.26	30226	
32	45.37	5305	0.98	30205	
29	50.41	5894	0.88	30175	
27	54.61	6376	0.82	36890	
24	60.68	7092	0.73	36890	
61	24.29	2839	3.13	52445	K-12
51	28.99	3397	2.58	52445	
45	32.83	3848	2.27	52118	
42	34.93	4073	2.18	51792	
37	39.55	4621	1.92	51792	
31	46.81	5470	1.60	51595	
28	52.76	6165	1.42	51595	
26	56.39	6557	1.35	51323	
23	63.57	7390	1.20	51323	
20	74.62	8684	1.00	50637	
18	83.10	9662	0.90	50637	
16	89.89	10407	0.85	52445	

Selection Tables For Geared Motors

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22 KW 6 POLE

N2 R/Min Output Speed	i Ratio	N.m Output Torque	Fm Service Factor	N Overhung Load	Unit
79	12.40	2187	1.11	28900	K-09
73	13.33	2346	1.20	28900	
65	14.94	2631	1.11	28900	
54	17.93	3156	0.85	28900	
49	20.03	3523	0.77	28900	
45	21.61	3800	0.80	28900	
40	24.14	4236	0.71	28900	
78	12.55	2218	2.03	30182	K-10
70	13.89	2449	2.03	30141	
65	15.11	2663	1.95	30141	
53	18.57	3284	1.58	30141	
49	20.05	3539	1.47	30141	
44	22.35	3940	1.32	30112	
40	24.13	4256	1.22	30112	
33	29.24	5171	1.00	30112	
29	33.10	5857	0.88	30095	
28	35.19	6215	0.83	30095	
75	12.96	2288	2.44	52445	K-12
69	14.21	2502	2.44	52445	
62	15.61	2751	2.44	52437	
54	18.20	3202	2.44	52428	
48	20.17	3557	2.44	52420	
44	21.93	3864	2.30	52420	
40	24.29	4281	2.07	52420	
34	28.99	5121	1.71	52400	
30	32.83	5801	1.50	52400	
28	34.93	6154	1.45	52381	
25	39.55	6968	1.28	52381	
21	46.81	8251	1.06	52362	
18	52.76	9283	0.94	52346	
17	56.39	9889	0.90	52319	
15	63.57	11155	0.80	52319	

Selection Tables For Geared Motors

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30 KW 4 POLE

N2 R/Min Output Speed	i Ratio	N.m Output Torque	Fm Service Factor	N Overhung Load	Unit
119	12.40	1968	1.15	28900	K-09
110	13.33	2116	1.23	28900	
98	14.94	2371	1.15	28900	
82	17.93	2860	0.88	28900	
73	20.03	3187	0.81	28900	
68	21.61	3433	0.88	28900	
61	24.14	3836	0.79	28900	
117	12.55	2002	2.23	30230	K-10
106	13.89	2213	2.24	30230	
97	15.11	2408	2.16	30223	
79	18.57	2966	1.72	30223	
73	20.05	3199	1.62	30218	
66	22.35	3560	1.46	30218	
61	24.13	3839	1.35	30218	
50	29.24	4672	1.11	30218	
44	33.10	5288	0.99	30199	
42	35.19	5616	0.93	30199	
37	39.84	6345	0.82	30175	
113	12.96	2070	2.69	52445	K-12
103	14.21	2263	2.69	52445	
94	15.61	2488	2.69	52445	
81	18.20	2896	2.69	52445	
73	20.17	3219	2.65	52445	
67	21.93	3495	2.54	52445	
61	24.29	3872	2.30	52114	
51	28.99	4632	1.89	52114	
45	32.83	5247	1.67	51744	
42	34.93	5554	1.60	51270	
37	39.55	6301	1.41	51270	
31	46.81	7460	1.17	50915	
28	52.76	8407	1.04	50915	
26	56.39	8941	0.99	50425	
23	63.57	10078	0.88	50425	
20	74.62	11842	0.74	49640	

Selection Tables For Geared Motors

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30 KW 6 POLE

N2 R/Min Output Speed	i Ratio	N.m Output Torque	Fm Service Factor	N Overhung Load	Unit
79	12.40	2967	0.82	28900	K-09
74	13.33	3183	0.88	28900	
66	14.94	3569	0.82	28900	
78	12.55	3009	1.50	30005	K-10
71	13.89	3322	1.50	30005	
65	15.11	3613	1.44	30005	
53	18.57	4457	1.16	30005	
49	20.05	4802	1.08	30005	
44	22.35	5345	0.97	30005	
41	24.13	5775	0.90	30005	
34	29.24	7015	0.74	30005	
76	12.96	3105	1.79	52445	K-12
69	14.21	3395	1.79	52445	
63	15.61	3732	1.79	52418	
54	18.20	4344	1.79	52391	
49	20.17	4826	1.79	52364	
45	21.93	5243	1.69	52364	
40	24.39	5808	1.53	52364	
34	28.99	6948	1.26	52349	
30	32.83	7871	1.11	52349	
28	34.93	8349	1.06	52335	
25	39.55	9454	0.94	52335	
21	46.81	11195	0.78	52302	
19	52.76	12594	0.70	52292	

Selection Tables For Geared Motors

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37 KW 4 POLE

N2 R/Min Output Speed	i Ratio	N.m Output Torque	Fm Service Factor	N Overhung Load	Unit
119	12.40	2419	0.94	28900	K-09
111	13.33	2600	1.00	28900	
99	14.94	2914	0.94	28900	
82	17.93	3516	0.71	28900	
68	21.61	4220	0.71	28900	
118	12.55	2461	1.81	30204	K-10
106	13.89	2720	1.83	30204	
98	15.11	2960	1.75	30201	
79	18.57	3646	1.39	30201	
74	20.05	3931	1.32	30197	
66	22.35	4376	1.19	30197	
61	24.13	4719	1.10	30197	
50	29.24	5743	0.90	30197	
45	33.10	6499	0.80	30175	
42	35.19	6903	0.76	30175	
114	12.96	2544	2.19	52008	
104	14.21	2781	2.19	52148	
94	15.61	3058	2.19	52167	
81	18.20	3559	2.19	52018	
73	20.17	3957	2.15	51978	
67	21.93	4297	2.07	52118	
61	24.29	4759	1.87	51826	
51	28.99	5693	1.54	51826	
45	32.83	6450	1.35	51417	
42	34.93	6827	1.30	50814	
37	39.55	7744	1.15	50814	
32	46.81	9169	0.95	50320	
28	52.76	10333	0.85	50320	
26	56.39	10991	0.81	49640	
23	63.57	12386	0.71	49640	

Selection Tables For Geared Motors

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	N2 R/Min Output Speed	i Ratio	N.m Output Torque	Fm Service Factor	N Overhung Load	Unit
37 KW 6 POLE	76	12.96	3829	1.45	52445	K-12
	69	14.21	4187	1.45	52445	
	63	15.61	4604	1.45	52402	
	54	18.20	5358	1.45	52358	
	49	20.17	5953	1.45	52315	
	45	21.93	6466	1.38	52315	
	40	24.29	7163	1.24	52315	
	34	28.99	8569	1.02	52305	
	30	32.83	9707	0.90	52305	
	28	34.93	10297	0.87	52294	
	25	39.55	11659	0.77	52294	

Selection Tables For Geared Motors

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45 KW 4 POLE

N2 R/Min Output Speed	i Ratio	N.m Output Torque	Fm Service Factor	N Overhung Load	Unit
119	12.40	2942	0.77	28900	K-09
111	13.33	3162	0.82	28900	
99	14.94	3544	0.77	28900	
118	12.55	2993	1.49	30175	K-10
106	13.89	3307	1.50	30175	
98	15.11	3600	1.45	30175	
79	18.57	4434	1.15	30175	
74	20.05	4781	1.08	30175	
66	22.35	5322	0.98	30175	
61	24.13	5739	0.90	30175	
50	29.24	6985	0.74	30175	
114	12.96	3094	1.80	51510	K-12
104	14.21	3383	1.80	51808	
94	15.61	3720	1.80	51850	
81	18.20	4329	1.80	51531	
73	20.17	4812	1.77	51446	
67	21.93	5226	1.70	51744	
61	24.29	5788	1.54	51496	
51	28.99	6925	1.27	51496	
45	32.83	7844	1.11	51043	
42	34.93	8303	1.07	50292	
37	39.55	9419	0.94	50292	
32	46.81	11151	0.78	49640	
28	52.76	12568	0.70	49640	

Selection Tables For Geared Motors

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	N2 R/Min Output Speed	i Ratio	N.m Output Torque	Fm Service Factor	N Overhung Load	Unit
45 KW 6 POLE	76	12.96	4658	1.20	52445	K-12
	69	14.21	5092	1.20	52445	
	63	15.61	5599	1.20	52383	
	54	18.20	6516	1.20	52321	
	49	20.17	7240	1.20	52260	
	45	21.93	7864	1.13	52260	
	40	24.29	8712	1.02	52260	
	34	28.99	10422	0.84	52254	
	30	32.83	11807	0.74	52254	
	28	34.93	12523	0.71	52248	



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