

# 700 SERIES SINGLE REDUCTION RATIO & CAPACITY SELECTION TABLES

## HORSEPOWER AND TORQUE CAPACITIES AT LISTED RPM INPUTS

(SERVICE FACTOR 1.0)

SERIES SIZE			710			713			715			718		
RATIO	INPUT RPM	OUT-PUT RPM	OUTPUT			OUTPUT			OUTPUT			OUTPUT		
			INPUT HP	HP	TORQUE (lb-in)	INPUT HP	HP	TORQUE (lb-in)	INPUT HP	HP	TORQUE (lb-in)	INPUT HP	HP	TORQUE (lb-in)
<b>5</b>	1750	350	.69	.63	113	1.39	1.31	235	1.72	1.62	291	2.55	2.40	432
	1150	230	.40	.36	98	.84	.73	200	1.15	1.04	285	1.42	1.28	350
	690	138	.26	.23	105	.50	.45	205	.80	.72	330	.97	.87	400
	100	20	.044	.036	115	.091	.076	240	.14	.12	370	.17	.14	460
<b>10</b>	1750	175	.44	.38	138	.86	.78	281	1.20	1.10	397	1.61	1.49	536
	1150	115	.23	.21	118	.51	.44	243	.73	.64	350	.98	.87	480
	690	69	.16	.14	128	.33	.29	266	.47	.42	384	.66	.58	534
	100	10	.03	.022	140	.060	.047	296	.086	.068	432	.12	.097	610
<b>15</b>	1750	116.7	.33	.27	146	.66	.58	305	.91	.79	428	1.13	1.02	552
	1150	77.7	.17	.15	125	.37	.32	262	.53	.46	376	.67	.57	472
	690	46	.12	.10	134	.26	.21	288	.36	.30	415	.46	.39	534
	100	6.7	.023	.016	147	.049	.034	322	.070	.050	468	.086	.063	597
<b>20</b>	1750	87.5	.27	.21	149	.52	.43	308	.72	.60	435	.97	.82	590
	1150	57.5	.14	.12	129	.29	.24	265	.43	.35	380	.58	.48	525
	690	34.5	.091	.074	136	.19	.16	286	.28	.23	420	.38	.32	580
	100	5.0	.017	.012	150	.040	.026	330	.056	.038	485	.080	.055	690
<b>25</b>	1750	70	—	—	—	.43	.34	307	.60	.49	437	.76	.64	574
	1150	46	—	—	—	.24	.19	260	.35	.27	375	.48	.36	500
	690	27.6	—	—	—	.15	.12	280	.22	.18	410	.30	.24	540
	100	4.0	—	—	—	.031	.020	310	.043	.028	451	.063	.042	660
<b>30</b>	1750	58.3	.20	.14	150	.39	.29	311	.54	.41	446	.65	.53	573
	1150	38.3	.10	.081	133	.21	.16	270	.31	.23	388	.40	.32	530
	690	23	.068	.051	140	.14	.11	300	.20	.17	460	.29	.22	600
	100	3.3	.013	.008	155	.029	.018	340	.040	.026	496	.057	.037	710
<b>40</b>	1750	43.8	.17	.10	151	.31	.21	307	.43	.31	441	.57	.42	609
	1150	28.8	.081	.059	129	.18	.12	265	.24	.17	380	.33	.24	525
	690	17.3	.051	.037	130	.10	.078	286	.15	.11	420	.22	.16	580
	100	2.5	.011	.006	150	.025	.013	330	.036	.019	485	.052	.027	690
<b>50</b>	1750	35	.15	.090	153	.25	.17	297	.35	.24	429	.44	.32	573
	1150	23	.060	.042	114	.12	.090	248	.18	.13	360	.24	.17	470
	690	13.8	.041	.029	130	.083	.058	265	.12	.085	390	.17	.12	520
	100	2.0	.008	.004	140	.018	.009	300	.027	.014	440	.038	.019	590
<b>60</b>	1750	29.2	.12	.070	144	.22	.13	271	.28	0.18	399	.35	.24	527
	1150	19.2	.065	.032	105	.171	.093	201	.164	.095	312	.21	.13	440
	690	11.5	.044	.020	112	.101	.046	253	.114	.061	338	.14	.084	480
	100	1.7	.008	.003	121	.021	.007	285	.022	.009	371	.030	.014	530
<b>80</b>	1750	21.9	—	—	—	—	—	—	—	—	—	.23	.13	375
	1150	14.4	—	—	—	—	—	—	—	—	—	.16	.089	390
	690	8.6	—	—	—	—	—	—	—	—	—	.10	.048	350
	100	1.3	—	—	—	—	—	—	—	—	—	.020	.009	470
<b>100</b>	1750	17.5	—	—	—	.080	.040	144	—	—	—	—	—	—
	1150	11.5	—	—	—	.070	.028	152	—	—	—	—	—	—
	690	6.9	—	—	—	.050	.018	164	—	—	—	—	—	—
	100	1	—	—	—	.010	.003	180	—	—	—	—	—	—
OVERHUNG LOAD*			150 LBS.			200 LBS.			300 LBS.			500 LBS.		
OUTPUT SHAFT THRUST LOAD			200 LBS.			300 LBS.			400 LBS.			500 LBS.		

RATINGS SHOWN REFLECT MAXIMUM GEAR CAPACITY WITH KLUBERSYNTH UH1 6-460.

\* Overhung Load is at centerline of output shaft projection and with NO THRUST Load.

Note: For input speeds above 1750 RPM. Do NOT exceed 1750 RPM input horsepower (See page 337).

# 700 SERIES SINGLE REDUCTION RATIO & CAPACITY SELECTION TABLES

## HORSEPOWER AND TORQUE CAPACITIES AT LISTED RPM INPUTS (SERVICE FACTOR 1.0)

SERIES SIZE			721			724			726			730		
RATIO	INPUT RPM	OUT-PUT RPM	OUTPUT			OUTPUT			OUTPUT			OUTPUT		
			INPUT HP	HP	TORQUE (lb-in)	INPUT HP	HP	TORQUE (lb-in)	INPUT HP	HP	TORQUE (lb-in)	INPUT HP	HP	TORQUE (lb-in)
<b>5</b>	1750	350	3.66	3.44	620	4.94	4.65	838	6.11	5.74	1034	8.32	7.82	1408
	1150	230	2.33	2.10	575	3.05	2.74	750	4.05	3.64	1000	5.85	5.47	1500
	690	138	1.64	1.47	670	2.25	2.01	920	3.04	2.74	1250	5.25	4.83	2206
	100	20	.30	.26	820	.43	.38	1200	.58	.51	1600	1.06	.91	2873
<b>10</b>	1750	175	2.34	2.19	789	3.18	2.97	1069	3.94	3.74	1345	5.28	4.96	1787
	1150	115	1.49	1.32	725	2.09	1.87	1025	2.82	2.54	1390	4.25	3.84	2107
	690	69	1.00	.89	814	1.46	1.31	1200	1.97	1.75	1600	3.15	2.79	2548
	100	10	.19	.15	968	.27	.23	1430	.37	.31	1960	.63	.51	3234
<b>15</b>	1750	116.7	1.72	1.56	840	2.34	2.15	1159	2.95	2.71	1465	3.97	3.64	1969
	1150	77.7	1.06	.91	752	1.51	1.29	1060	2.01	1.73	1425	3.41	2.95	2425
	690	46.0	.72	.61	832	1.05	.90	1239	1.41	1.22	1675	2.55	2.14	2928
	100	6.7	.13	.10	968	.19	.15	1463	.28	.22	2057	.51	.38	3610
<b>20</b>	1750	87.5	1.40	1.24	892	1.95	1.71	1233	2.34	2.06	1483	3.14	2.81	2024
	1150	57.5	.86	.72	782	1.27	1.06	1160	1.63	1.36	1500	2.68	2.23	2470
	690	35	.57	.48	875	.83	.70	1280	1.11	.94	1725	1.67	1.52	2739
	100	5.0	.11	.080	1018	.17	.12	1550	.20	.16	2050	.41	.38	3584
<b>25</b>	1750	70	1.16	.97	875	1.55	1.33	1199	1.94	1.68	1514	2.61	2.28	2051
	1150	46	.72	.58	790	1.03	.84	1150	1.31	1.11	1525	2.3	1.86	2560
	690	27.6	.47	.38	875	.69	.56	1280	.93	.77	1750	1.5	1.26	2830
	100	4.0	.094	.062	975	.14	.095	1500	.18	.13	2075	.30	.21	3400
<b>30</b>	1750	58.3	.99	.81	871	1.33	1.11	1200	1.68	1.41	1521	2.27	1.89	2045
	1150	38.3	.62	.48	795	.89	.70	1170	1.20	.96	1575	1.99	1.53	2510
	690	23	.41	.32	880	.60	.47	1300	.81	.65	1790	1.51	1.09	3000
	100	3.3	.086	.055	1050	.12	.078	1500	.16	.11	2100	.32	.20	3702
<b>40</b>	1750	43.8	.81	.61	876	1.08	.84	1206	1.33	1.05	1512	1.78	1.43	2041
	1150	28.8	.49	.36	785	.70	.53	1160	.89	.68	1500	1.46	1.14	2470
	690	17.3	.33	.24	875	.46	.35	1280	.61	.47	1725	.99	.78	2900
	100	2.5	.074	.040	1018	.11	.061	1550	.14	.081	2050	.23	.14	3600
<b>50</b>	1750	35	.66	.48	857	.87	.65	1177	1.08	.82	1484	1.45	1.12	2016
	1150	23	.38	.27	750	.56	.40	1100	.75	.54	1482	1.2	.87	2400
	690	13.8	.26	.18	840	.37	.26	1225	.51	.37	1675	.87	.61	2750
	100	2.0	.057	.031	970	.084	.045	1425	.11	.063	1975	.19	.10	3200
<b>60</b>	1750	29.2	.55	.38	826	.73	.52	1128	.89	.64	1385	1.20	.89	1921
	1150	19.2	.34	.22	730	.49	.32	1040	.64	.42	1390	1.01	.68	2285
	690	11.5	.23	.15	805	.33	.21	1154	.44	.29	1570	.27	.45	2580
	100	1.7	.055	.025	930	.073	.036	1330	.10	.050	1840	.13	.080	3080
<b>80</b>	1750	21.9	—	—	—	—	—	—	.76	.38	1100	—	—	—
	1150	14.4	—	—	—	—	—	—	.47	.29	1252	—	—	—
	690	8.6	—	—	—	—	—	—	.35	.18	1340	—	—	—
	100	1.3	—	—	—	—	—	—	.07	.030	1600	—	—	—
OVERHUNG LOAD*			700 LBS.			900 LBS.			1000 LBS.			1250 LBS.		
OUTPUT SHAFT THRUST LOAD			700 LBS.			800 LBS.			900 LBS.			1000 LBS.		

RATINGS SHOWN REFLECT MAXIMUM GEAR CAPACITY WITH KLUBERSYNTH UH1 6-460.

\* Overhung Load is at centerline of output shaft projection and with NO THRUST Load.

Note: For input speeds above 1750 RPM. Do NOT exceed 1750 RPM input horsepower (See page 337).

# SINGLE REDUCTION RATIO & CAPACITY SELECTION TABLES

## HORSEPOWER AND TORQUE CAPACITIES AT LISTED RPM INPUTS (SERVICE FACTOR 1.0)

SERIES SIZE			732			732F			738			738F		
RATIO	INPUT RPM	OUT-PUT RPM	OUTPUT			OUTPUT			OUTPUT			OUTPUT		
			INPUT HP	HP	TORQUE (lb-in)	INPUT HP	HP	TORQUE (lb-in)	INPUT HP	HP	TORQUE (lb-in)	INPUT HP	HP	TORQUE (lb-in)
<b>10</b>	<b>1750</b>	175	6.22	5.85	2106	7.75	7.03	2532	8.37	7.87	2834	9.96	8.94	3221
	<b>1150</b>	115	4.41	3.92	2150	5.03	4.47	2450	6.19	5.56	3050	6.90	6.20	3400
	<b>690</b>	69	3.17	2.85	2600	3.40	3.06	2800	4.54	4.05	3700	4.79	4.27	3900
	<b>100</b>	10	.62	.52	3300	.62	.52	3300	.87	.47	4700	.87	.47	4700
<b>15</b>	<b>1750</b>	116.7	4.65	4.34	2344	5.80	5.15	2782	6.28	5.84	3154	7.47	6.56	3543
	<b>1150</b>	77.7	3.15	2.74	2250	3.63	3.16	2600	4.30	3.77	3100	4.99	4.38	3600
	<b>690</b>	46.0	2.35	2.04	2800	2.52	2.19	3000	3.25	2.85	3900	3.50	3.06	4200
	<b>100</b>	6.7	.48	.39	3700	.48	.39	3700	.68	.55	5200	.68	.55	5200
<b>20</b>	<b>1750</b>	87.5	3.71	3.35	2413	4.63	3.97	2558	5.00	4.56	3285	5.95	5.15	3707
	<b>1150</b>	57.5	2.77	2.37	2600	3.20	2.74	3000	4.10	3.56	3900	4.55	3.94	4325
	<b>690</b>	34.5	1.99	1.70	3100	2.15	1.83	3850	2.91	2.52	4600	3.10	2.68	4900
	<b>100</b>	5.0	.41	.30	3846	.41	.30	3846	.61	.46	5800	.61	.46	5800
<b>25</b>	<b>1750</b>	70	3.08	2.71	2443	3.85	3.21	2891	—	—	—	—	—	—
	<b>1150</b>	46	2.29	1.90	2600	2.65	2.19	3000	—	—	—	—	—	—
	<b>690</b>	27.6	1.51	1.27	2900	1.67	1.40	3200	—	—	—	—	—	—
	<b>100</b>	4.0	.31	.22	3500	.31	.22	3500	—	—	—	—	—	—
<b>30</b>	<b>1750</b>	58.3	2.64	2.27	2456	3.30	2.69	2902	3.56	3.10	3354	4.23	3.48	3757
	<b>1150</b>	38.3	2.80	2.23	2675	2.36	1.88	3100	2.87	2.37	3900	3.38	2.67	4400
	<b>690</b>	23	1.41	1.16	3200	1.55	1.28	3500	2.08	1.68	4600	2.22	1.79	4900
	<b>100</b>	3.3	.30	.21	4000	.30	.21	4000	.42	.29	5600	.42	.29	5600
<b>40</b>	<b>1750</b>	43.8	2.10	1.70	2444	2.62	2.04	2944	2.80	2.30	3320	3.33	2.60	3747
	<b>1150</b>	28.8	1.52	1.19	2600	1.75	1.37	3000	2.25	1.78	3900	2.49	1.98	4325
	<b>690</b>	17.3	1.08	.85	3100	1.17	.91	3350	1.58	1.25	4600	1.68	1.33	4900
	<b>100</b>	2.5	.25	.15	3846	.25	.15	3846	.37	.23	5800	.37	.23	5800
<b>50</b>	<b>1750</b>	35	1.70	1.33	2403	2.12	1.55	2791	2.28	1.82	3280	2.71	2.01	3626
	<b>1150</b>	23	1.21	.89	2450	1.41	1.04	2850	1.67	1.24	3400	1.96	1.46	4000
	<b>690</b>	13.8	.87	.61	2800	.95	.67	3050	1.19	.85	3900	1.28	.92	4200
	<b>100</b>	2.0	.19	.10	3325	.19	.10	3325	.25	.14	4500	.25	.14	4500
<b>60</b>	<b>1750</b>	29.2	1.40	1.06	2281	1.75	1.18	2549	1.88	1.45	3128	2.24	1.52	3277
	<b>1150</b>	19.2	1.05	.70	2300	1.23	.82	2700	1.50	1.02	3350	1.72	1.17	3850
	<b>690</b>	11.5	.71	.48	2650	.78	.53	2900	1.02	.69	3800	1.10	.75	4100
	<b>100</b>	1.7	.16	.083	3100	.16	.083	3100	.22	.12	4400	.22	.12	4400
OVERHUNG LOAD*			1300 LBS.			1300 LBS.			2000 LBS.			2000 LBS.		
OUTPUT SHAFT THRUST LOAD			1100 LBS			1100 LBS.			1300 LBS.			1300 LBS.		

RATINGS SHOWN REFLECT MAXIMUM GEAR CAPACITY WITH KLUBERSYNTH UH1 6-460.

\*Overhung Load is at centerline of output shaft projection and with NO THRUST Load.

Note: For input speeds above 1750 RPM. Do NOT exceed 1750 RPM input horsepower (See page 337).

# SINGLE REDUCTION RATIO & CAPACITY SELECTION TABLES

## HORSEPOWER AND TORQUE CAPACITIES AT LISTED RPM INPUTS (SERVICE FACTOR 1.0)

SERIES SIZE			752			752F			760			760F		
RATIO	INPUT RPM	OUT-PUT RPM	OUTPUT			OUTPUT			OUTPUT			OUTPUT		
			INPUT HP	HP	TORQUE (lb- in)	INPUT HP	HP	TORQUE (lb- in)	INPUT HP	HP	TORQUE (lb- in)	INPUT HP	HP	TORQUE (lb- in)
<b>10</b>	1750	175	17.31	16.27	5860	21.63	19.94	7182	28.83	22.40	8067	26.13	24.04	8658
	1150	115	12.27	11.31	6200	14.25	13.14	7200	18.60	17.15	9400	20.78	19.16	10500
	690	69	9.58	8.54	7800	10.55	9.41	8600	14.87	13.41	12250	16.09	14.51	13250
	100	10	1.93	1.67	10500	1.93	1.67	10500	3.19	2.79	17600	3.19	2.79	17600
<b>15</b>	1750	116.7	13.06	12.25	6618	16.32	14.49	7829	17.87	16.76	9055	22.33	19.83	10712
	1150	77.7	9.14	8.15	6700	10.50	9.37	7700	12.56	11.20	9200	14.73	13.14	10800
	690	46.0	7.19	6.42	8800	7.74	6.92	9475	9.20	8.21	11250	10.76	9.61	13184
	100	6.7	1.56	1.26	11900	1.56	1.26	11900	2.18	1.81	17000	2.18	1.81	17000
<b>20</b>	1750	87.5	10.19	9.49	6830	12.74	11.21	8075	14.02	13.07	9412	17.52	15.38	11080
	1150	57.5	7.57	6.66	7300	8.70	7.66	4325	10.63	9.35	10250	11.93	10.49	11500
	690	34.5	5.59	4.93	9000	5.97	5.25	4900	7.83	6.89	12600	8.54	7.53	13750
	100	5.0	1.18	.92	11585	1.18	.92	5800	1.63	1.34	17000	1.63	1.34	17000
<b>25</b>	1750	70	—	—	—	—	—	—	—	—	—	—	—	—
	1150	46	—	—	—	—	—	—	—	—	—	—	—	—
	690	27.6	—	—	—	—	—	—	—	—	—	—	—	—
	100	4.0	—	—	—	—	—	—	—	—	—	—	—	—
<b>30</b>	1750	58.3	7.30	6.45	6964	9.12	7.72	8336	9.81	8.89	9603	12.26	10.38	11219
	1150	38.3	5.50	4.68	7700	6.29	5.34	8800	7.50	6.38	10500	8.39	7.14	11750
	690	23	4.03	3.43	9400	4.38	3.72	10200	5.48	4.67	12800	5.91	5.04	13800
	100	3.3	.93	.64	12250	.93	.64	12250	1.24	.92	17500	1.24	.92	17500
<b>40</b>	1750	43.8	5.60	4.78	6889	7.00	5.68	8178	7.65	6.64	9566	9.56	7.77	11197
	1150	28.8	4.06	3.33	7300	4.68	3.84	8400	5.74	4.68	10250	6.44	5.25	11500
	690	17.3	3.01	2.46	9000	3.21	2.62	9600	4.21	3.44	12600	4.60	3.75	13750
	100	2.5	.71	.46	11585	.71	.46	11585	1.00	.67	17000	1.00	.67	17000
<b>50</b>	1750	35	4.49	3.75	6751	5.61	4.26	7678	6.12	5.21	9378	7.65	5.46	9836
	1150	23	3.34	2.48	6800	3.93	2.92	8000	4.68	3.58	9800	5.25	4.01	11000
	690	13.8	2.32	1.77	8100	2.52	1.93	8800	3.52	2.68	12250	3.80	2.90	13250
	100	2.0	.46	.28	9000	.46	.28	9000	.80	.51	16000	.80	.51	16000
<b>60</b>	1750	29.2	3.67	2.97	6416	4.59	3.22	6953	5.03	4.13	8934	6.29	4.41	9528
	1150	19.2	2.89	2.04	6700	3.33	2.34	7700	4.31	2.98	9800	4.84	3.35	11000
	690	11.5	2.07	1.46	8000	2.25	1.59	8700	3.22	2.23	12200	3.48	2.41	13200
	100	1.7	.43	.24	9000	.43	.24	9000	.74	.43	16000	.74	.43	16000
OVERHUNG LOAD*			2200 LBS.			2200 LBS.			2400 LBS.			2400 LBS.		
OUTPUT SHAFT THRUST LOAD			1900 LBS			1900 LBS.			2100 LBS.			2100 LBS.		

RATINGS SHOWN REFLECT MAXIMUM GEAR CAPACITY WITH KLUBERSYNTH UH1 6-460.

\* Overhung Load is at centerline of output shaft projection and with NO THRUST Load.

**Note:** For input speeds above 1750 RPM. Do NOT exceed 1750 RPM input horsepower (See page 337).