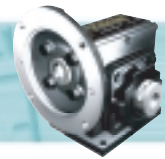


# SINGLE REDUCTION

With Mobil Glygoyle 460 Lubricant



3.000 CENTER DISTANCE			HORSEPOWER AND TORQUE RATINGS							OVERHUNG LOAD CAPACITIES (lb)			THRUST LOAD CAPACITIES (lb)	
RATIO <sup>1</sup>	INPUT RPM <sup>2</sup>	OUTPUT RPM	MECHANICAL							INPUT SHAFT ALL SHAFT INPUT MODELS	OUTPUT SHAFT <sup>5,6</sup>		OUTPUT SHAFT <sup>6</sup>	
			1.00 SERVICE FACTOR			1.25 SERVICE FACTOR		1.50 SERVICE FACTOR			SOLID <sup>3</sup> SHAFT (e.g. MDNS)	HOLLOW <sup>4</sup> SHAFT (e.g. MDSS)	SOLID SHAFT (e.g. MDNS)	HOLLOW SHAFT (e.g. MDSS)
INPUT HP	OUTPUT TORQUE (lbf-in.)	EFF	INPUT HP	OUTPUT TORQUE (lbf-in.)	INPUT HP	OUTPUT TORQUE (lbf-in.)	INPUT HP	OUTPUT TORQUE (lbf-in.)						
<b>4</b>	SEE MODIFIED PRODUCT SECTION													
<b>5</b>	2500	500	12.68	1534	96	10.14	1227	8.45	1023	560	1116	1175	1137	1856
	1750	350	10.87	1886	96	8.70	1509	7.25	1257					
	1160	232	8.75	2303	97	7.00	1842	5.83	1535					
	870	174	7.35	2583	97	5.88	2066	4.90	1722					
	600	120	5.73	2913	97	4.58	2330	3.82	1942					
	300	60	3.39	3395	95	2.71	2716	2.26	2263					
	100	20	1.34	3815	90	1.07	3052	0.89	2543					
<b>7.5</b>	2500	333	10.42	1881	95	8.34	1505	6.95	1254	600	1190	1260	1301	2146
	1750	233	8.59	2232	96	6.87	1786	5.73	1488					
	1160	155	7.11	2802	97	5.69	2242	4.74	1868					
	870	116	5.90	3109	97	4.72	2487	3.93	2073					
	600	80	4.69	3575	97	3.75	2860	3.13	2383					
	300	40	2.80	4192	95	2.24	3354	1.87	2795					
	100	13	1.08	4573	89	0.86	3658	0.72	3049					
<b>10</b>	2500	250	8.45	2016	95	6.76	1613	5.63	1344	400	1298	1368	1434	2365
	1750	175	7.11	2448	96	5.69	1958	4.74	1632					
	1160	116	5.31	2768	96	4.25	2214	3.54	1845					
	870	87	3.97	2761	96	3.18	2209	2.65	1841					
	600	60	2.77	2779	95	2.22	2223	1.85	1853					
	300	30	1.51	2949	93	1.21	2359	1.01	1966					
	100	10	0.57	3169	88	0.46	2535	0.38	2113					
<b>15</b>	2500	167	6.04	2120	93	4.83	1696	4.03	1413	450	1350	1583	1724	2711
	1750	117	5.07	2578	94	4.06	2062	3.38	1719					
	1160	77	3.35	2580	94	2.68	2064	2.23	1720					
	870	58	2.53	2595	94	2.02	2076	1.69	1730					
	600	40	1.92	2851	94	1.54	2281	1.28	1901					
	300	20	1.09	3166	92	0.87	2533	0.73	2111					
	100	7	0.42	3394	85	0.34	2715	0.28	2263					
<b>20</b>	2500	125	4.88	2253	92	3.90	1802	3.25	1502	450	1350	1750	1966	2800
	1750	88	3.95	2645	93	3.16	2116	2.63	1763					
	1160	58	2.70	2745	93	2.16	2196	1.80	1830					
	870	44	2.03	2752	94	1.62	2202	1.35	1835					
	600	30	1.44	2831	93	1.15	2265	0.96	1887					
	300	15	0.81	3116	91	0.65	2493	0.54	2077					
	100	5	0.32	3322	83	0.26	2658	0.21	2215					
<b>25</b>	2500	100	3.89	2200	90	3.11	1760	2.59	1467	500	1350	1890	2167	2800
	1750	70	3.24	2676	92	2.59	2141	2.16	1784					
	1160	46	2.19	2749	92	1.75	2199	1.46	1833					
	870	35	1.65	2768	93	1.32	2214	1.10	1845					
	600	24	1.15	2780	92	0.92	2224	0.77	1853					
	300	12	0.65	3042	90	0.52	2434	0.43	2028					
	100	4	0.25	3230	81	0.20	2584	0.17	2153					

1. Exact ratio.  
 2. If input speed is below 1160 RPM, please specify speed and mounting position to ensure proper lubrication.  
 3. Overhung load given at a distance equal to one shaft diameter from the face of the output seal.  
 4. Overhung load is based on maximum bore size. Use of smaller driven shaft diameter may limit OHL capacity.

5. Overhung loads are based on the output shaft and output bearing capacities only. Check Overhung Load Section for other considerations.  
 6. Overhung load and thrust load ratings are computed independent of each other. For combined load applications, contact Winsmith.

  Mechanical ratings shaded above exceed speed reducer thermal limitations under continuous duty conditions. Refer to Appendix (page 229) for Continuous Duty Thermal Limit Ratings.





# SINGLE REDUCTION

With Mobil Glygoyle 460 Lubricant

REDUCER SIZE

# E30

3.000 CENTER DISTANCE			HORSEPOWER AND TORQUE RATINGS							OVERHUNG LOAD CAPACITIES (lb)			THRUST LOAD CAPACITIES (lb)	
RATIO <sup>1</sup>	INPUT RPM <sup>2</sup>	OUTPUT RPM	MECHANICAL							INPUT SHAFT	OUTPUT SHAFT <sup>5,6</sup>		OUTPUT SHAFT <sup>6</sup>	
			1.00 SERVICE FACTOR			1.25 SERVICE FACTOR		1.50 SERVICE FACTOR		ALL SHAFT INPUT MODELS	SOLID <sup>3</sup> SHAFT (e.g. MDNS)	HOLLOW <sup>4</sup> SHAFT (e.g. MDSS)	SOLID SHAFT (e.g. MDNS)	HOLLOW SHAFT (e.g. MDSS)
			INPUT HP	OUTPUT TORQUE (lbf-in.)	EFF	INPUT HP	OUTPUT TORQUE (lbf-in.)	INPUT HP	OUTPUT TORQUE (lbf-in.)					
30	2500	83	3.42	2272	88	2.74	1818	2.28	1515	500	1350	2020	2400	2800
	1750	58	2.67	2586	90	2.14	2069	1.78	1724					
	1160	39	1.95	2891	91	1.56	2313	1.30	1927					
	870	29	1.46	2894	91	1.17	2315	0.97	1929					
	600	20	1.05	2936	89	0.84	2349	0.70	1957					
	300	10	0.60	3250	86	0.48	2600	0.40	2167					
	100	3	0.24	3478	77	0.19	2782	0.16	2319					
40	2500	63	2.64	2263	85	2.11	1810	1.76	1509	500	1350	2020	2400	2800
	1750	44	2.08	2617	87	1.66	2094	1.39	1745					
	1160	29	1.59	3101	90	1.27	2481	1.06	2067					
	870	22	1.23	3137	88	0.98	2510	0.82	2091					
	600	15	0.87	3133	85	0.70	2506	0.58	2089					
	300	8	0.45	3132	83	0.36	2506	0.30	2088					
	100	3	0.18	3301	73	0.14	2641	0.12	2201					
50	2500	50	2.08	2132	81	1.66	1706	1.39	1421	500	1350	2020	2400	2800
	1750	35	1.72	2643	85	1.38	2114	1.15	1762					
	1160	23	1.29	3057	87	1.03	2446	0.86	2038					
	870	17	0.99	3059	85	0.79	2447	0.66	2039					
	600	12	0.70	3047	83	0.56	2438	0.47	2031					
	300	6	0.36	3067	80	0.29	2454	0.24	2045					
	100	2	0.14	3099	71	0.11	2479	0.09	2066					
60	2500	42	1.72	2033	78	1.38	1626	1.15	1355	500	1350	2020	2400	2800
	1750	29	1.34	2367	82	1.07	1894	0.89	1578					
	1160	19	0.88	2381	83	0.70	1905	0.59	1587					
	870	15	0.67	2395	83	0.54	1916	0.45	1597					
	600	10	0.49	2490	80	0.39	1992	0.33	1660					
	300	5	0.28	2712	78	0.22	2170	0.19	1808					
	100	2	0.11	2798	69	0.09	2238	0.07	1865					
80	2500	31	0.98	1434	72	0.78	1147	0.65	956	500	1350	2580	2400	2800
	1750	22	0.71	1478	73	0.57	1182	0.47	985					
	1160	15	0.54	1735	74	0.43	1388	0.36	1157					
	870	11	0.43	1876	76	0.34	1501	0.29	1251					
	600	8	0.32	2019	76	0.26	1615	0.21	1346					
	300	4	0.17	2050	73	0.14	1640	0.11	1367					
	100	1	0.06	2050	64	0.05	1640	0.04	1367					
100	2500	25	0.58	967	66	0.46	774	0.39	645	500	1350	2580	2400	2800
	1750	18	0.48	1160	67	0.38	928	0.32	773					
	1160	12	0.37	1356	67	0.30	1085	0.25	904					
	870	9	0.30	1465	67	0.24	1172	0.20	977					
	600	6	0.22	1573	70	0.18	1258	0.15	1049					
	300	3	0.12	1696	69	0.10	1357	0.08	1131					
	100	1	0.04	1696	61	0.03	1357	0.03	1131					

Ratings

1. Exact ratio.  
 2. If input speed is below 1160 RPM, please specify speed and mounting position to ensure proper lubrication.  
 3. Overhung load given at a distance equal to one shaft diameter from the face of the output seal.  
 4. Overhung load is based on maximum bore size. Use of smaller driven shaft diameter may limit OHL capacity.

5. Overhung loads are based on the output shaft and output bearing capacities only. Check Overhung Load Section for other considerations.  
 6. Overhung load and thrust load ratings are computed independent of each other. For combined load applications, contact Winsmith.

Mechanical ratings shaded above exceed speed reducer thermal limitations under continuous duty conditions. Refer to Appendix (page 229) for Continuous Duty Thermal Limit Ratings.



2D DRAWINGS & 3D MODELS  
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