




4:1 RATIO			HORSEPOWER AND TORQUE RATINGS									OVERHUNG LOAD CAPACITIES (lb)			THRUST LOAD CAPACITIES (lb)	
			MECHANICAL						THERMAL			INPUT SHAFT		OUTPUT SHAFT <sup>3,4</sup>		OUTPUT SHAFT <sup>5</sup>
SIZE	INPUT RPM <sup>2</sup>	OUTPUT RPM	1.00 SERVICE FACTOR			1.25 SERVICE FACTOR		1.50 SERVICE FACTOR		1.00 SERVICE FACTOR		ALL SHAFT INPUT MODELS	SOLID <sup>2</sup> SHAFT (e.g. MDNS)	HOLLOW 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>E13</b>	2500	625	1.30	122	94	1.04	98	0.87	81	1.30	122	200	290	n/a	594	n/a
	1750	438	1.10	149	94	0.88	119	0.73	99	1.10	149					
	1160	290	0.88	179	93	0.70	143	0.59	119	0.88	179					
	870	218	0.73	196	93	0.58	157	0.49	131	0.73	196					
	600	150	0.55	213	92	0.44	170	0.37	142	0.55	213					
	300	75	0.31	233	91	0.25	186	0.21	155	0.31	233					
	100	25	0.11	248	89	0.09	198	0.07	165	0.11	248					
<b>E17</b>	2500	625	2.30	219	95	1.84	175	1.53	146	2.30	219	200	700	700	776	1218
	1750	438	1.98	269	94	1.58	215	1.32	179	1.98	269					
	1160	290	1.65	337	94	1.32	270	1.10	225	1.65	337					
	870	218	1.42	383	93	1.14	306	0.95	255	1.42	383					
	600	150	1.11	431	92	0.89	345	0.74	287	1.11	431					
	300	75	0.65	492	91	0.52	394	0.43	328	0.65	492					
	100	25	0.24	538	88	0.19	430	0.16	359	0.24	538					
<b>E20</b>	2500	625	3.49	335	95	2.79	268	2.33	223	3.19	307	300	700	1100	865	1440
	1750	438	3.00	411	95	2.40	329	2.00	274	3.00	411					
	1160	290	2.50	515	95	2.00	412	1.67	343	2.50	515					
	870	218	2.15	586	94	1.72	469	1.43	391	2.15	586					
	600	150	1.68	660	94	1.34	528	1.12	440	1.68	660					
	300	75	0.98	754	92	0.78	603	0.65	503	0.98	754					
	100	25	0.36	824	90	0.29	659	0.24	549	0.36	824					
<b>E24</b>	2500	625	5.68	548	96	4.54	438	3.79	365	5.68	548	350	1250	1689	909	1909
	1750	438	4.74	653	96	3.79	522	3.16	435	4.74	653					
	1160	290	4.05	840	95	3.24	672	2.70	560	4.05	840					
	870	218	3.45	950	95	2.76	760	2.30	633	3.45	950					
	600	150	2.69	1066	94	2.15	853	1.79	711	2.69	1066					
	300	75	1.55	1212	93	1.24	970	1.03	808	1.55	1212					
	100	25	0.57	1320	92	0.46	1056	0.38	880	0.57	1320					

Note: Ratio shown (4:1) is exact ratio

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

4. Overhung loads are based on the output shaft and output bearing capacities only. Check Overhung Load Section for other considerations.

5. 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. See the thermal limit columns for continuous duty thermal limit ratings.

Modified



# 4:1 SINGLE REDUCTION

With Mobil Glygoyle 460 Lubricant

Special  
**Ratios**

4:1 RATIO			HORSEPOWER AND TORQUE RATINGS										OVERHUNG LOAD CAPACITIES (lb)			THRUST LOAD CAPACITIES (lb)	
SIZE	INPUT RPM <sup>2</sup>	OUTPUT RPM	MECHANICAL						THERMAL				INPUT SHAFT	OUTPUT SHAFT <sup>3,4</sup>		OUTPUT SHAFT <sup>5</sup>	
			1.00 SERVICE FACTOR			1.25 SERVICE FACTOR			1.50 SERVICE FACTOR		1.00 SERVICE FACTOR		ALL SHAFT INPUT MODELS	SOLID <sup>2</sup> SHAFT (e.g. MDNS)	HOLLOW 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>E26</b>	2500	625	7.20	695	96	5.76	556	4.80	463	6.32	609	500	1250	2177	901	2160	
	1750	438	6.19	852	96	4.95	682	4.13	568	6.19	852						
	1160	290	5.13	1061	95	4.10	849	3.42	707	5.13	1061						
	870	218	4.58	1257	95	3.66	1006	3.05	838	4.58	1257						
	600	150	3.72	1471	94	4.98	1177	2.48	981	3.72	1471						
	300	75	2.25	1751	93	1.80	1401	1.50	1167	2.25	1751						
	100	25	0.86	1967	90	0.69	1574	0.57	1311	0.86	1967						
<b>E30</b>	2500	625	10.80	1051	96	8.64	841	7.20	701	8.85	859	560	1450	2475	1071	2800	
	1750	438	9.30	1289	96	7.44	1031	6.20	859	8.66	1199						
	1160	290	7.62	1585	96	6.10	1268	5.08	1057	7.62	1585						
	870	218	6.91	1908	95	5.53	1526	4.61	1272	6.91	1908						
	600	150	5.70	2268	95	4.56	1814	3.80	1512	5.70	2268						
	300	75	3.51	2748	93	2.81	2198	2.34	1832	3.51	2748						
	100	25	1.36	3123	91	1.09	2498	0.91	2082	1.36	3123						
<b>E35</b>	2500	625	15.40	1499	97	12.32	1199	10.27	999	13.20	1290	750	2550	3600	1777	4000	
	1750	438	13.20	1838	97	10.56	1470	8.80	1225	12.70	1766						
	1160	290	11.10	2324	96	8.88	1859	7.40	1549	11.10	2324						
	870	218	9.78	2714	96	7.82	2171	6.52	1809	9.78	2714						
	600	150	8.25	3298	95	6.60	2638	5.50	2199	8.25	3298						
	300	75	5.20	4095	94	4.16	3276	3.47	2730	5.20	4095						
	100	25	2.05	4730	92	1.64	3784	1.37	3153	2.05	4730						
<b>E43</b>	2500	625	23.80	2334	97	19.04	1867	15.87	1556	21.00	2061	1000	3300	3810	2156	4500	
	1750	438	20.50	2861	97	16.40	2289	13.67	1907	19.80	2766						
	1160	290	17.20	3618	97	13.76	2894	11.47	2412	17.20	3618						
	870	218	15.10	4198	96	12.08	3358	10.07	2799	15.10	4198						
	600	150	12.90	5183	96	10.32	4146	8.60	3455	12.90	5183						
	300	75	8.25	6550	95	6.60	5240	5.50	4368	8.25	6550						
	100	25	3.29	7658	92	2.63	6126	2.19	5105	3.29	7658						

Note: Ratio shown (4:1) is exact ratio  
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 3. Overhung load is based on maximum bore size. Use of smaller driven shaft diameter may limit OHL capacity.

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Modified



2D DRAWINGS & 3D MODELS  
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