

SINGLE REDUCTION

With Mobil Glygoyle 460 Lubricant



1.750 CENTER DISTANCE			HORSEPOWER AND TORQUE RATINGS							OVERHUNG LOAD CAPACITIES (lb)			THRUST LOAD CAPACITIES (lb)	
RATIO ¹	INPUT RPM ²	OUTPUT RPM	MECHANICAL							INPUT SHAFT ALL SHAFT INPUT MODELS	OUTPUT SHAFT ^{5,6}		OUTPUT SHAFT ⁶	
			1.00 SERVICE FACTOR			1.25 SERVICE FACTOR		1.50 SERVICE FACTOR			SOLID ³ SHAFT (e.g. MDNS)	HOLLOW ⁴ SHAFT (e.g. MDSS)	SOLID SHAFT (e.g. MDNS)	HOLLOW SHAFT (e.g. MDSS)
INPUT HP	OUTPUT TORQUE (lb-ft-in.)	EFF	INPUT HP	OUTPUT TORQUE (lb-ft-in.)	INPUT HP	OUTPUT TORQUE (lb-ft-in.)	INPUT HP	OUTPUT TORQUE (lb-ft-in.)						
4	SEE MODIFIED PRODUCT SECTION													
5	2500	500	3.18	379	95	2.54	303	2.12	253	183	572	578	711	823
	1750	350	2.69	462	95	2.15	370	1.79	308					
	1160	232	2.16	562	96	1.73	450	1.44	375					
	870	174	1.78	619	96	1.42	495	1.19	413					
	600	120	1.34	678	97	1.07	542	0.89	452					
	300	60	0.74	749	97	0.59	599	0.49	499					
	100	20	0.27	801	94	0.22	641	0.18	534					
7.5	2500	333	2.46	435	93	1.97	348	1.64	290	205	617	626	823	952
	1750	233	2.06	525	94	1.65	420	1.37	350					
	1160	155	1.58	610	95	1.26	488	1.05	407					
	870	116	1.27	656	95	1.02	525	0.85	437					
	600	80	0.89	668	96	0.71	534	0.59	445					
	300	40	0.44	666	96	0.35	533	0.29	444					
	100	13	0.15	667	92	0.12	534	0.10	445					
10	2500	250	2.02	470	92	1.62	376	1.35	313	159	650	683	894	1052
	1750	175	1.64	554	94	1.31	443	1.09	369					
	1160	116	1.24	632	93	0.99	506	0.83	421					
	870	87	0.93	635	94	0.74	508	0.62	423					
	600	60	0.64	638	94	0.51	510	0.43	425					
	300	30	0.32	627	94	0.26	502	0.21	418					
	100	10	0.11	627	90	0.09	502	0.07	418					
15	2500	167	1.43	484	90	1.14	387	0.95	323	152	650	700	894	1310
	1750	117	1.15	568	91	0.92	454	0.77	379					
	1160	77	0.78	571	90	0.62	457	0.52	381					
	870	58	0.58	571	91	0.46	457	0.39	381					
	600	40	0.39	566	91	0.31	453	0.26	377					
	300	20	0.20	580	91	0.16	464	0.13	387					
	100	7	0.07	606	88	0.06	485	0.05	404					
20	2500	125	1.18	521	87	0.94	417	0.79	347	149	650	700	894	1440
	1750	88	0.94	604	89	0.75	483	0.63	403					
	1160	58	0.67	645	88	0.54	516	0.45	430					
	870	44	0.50	647	89	0.40	518	0.33	431					
	600	30	0.34	645	90	0.27	516	0.23	430					
	300	15	0.17	644	89	0.14	515	0.11	429					
	100	5	0.06	646	86	0.05	517	0.04	431					
25	2500	100	0.97	523	85	0.78	418	0.65	349	153	650	700	894	1440
	1750	70	0.70	547	87	0.56	438	0.47	365					
	1160	46	0.47	554	86	0.38	443	0.31	369					
	870	35	0.36	555	85	0.29	444	0.24	370					
	600	24	0.25	558	86	0.20	446	0.17	372					
	300	12	0.13	566	86	0.10	453	0.09	377					
	100	4	0.04	588	84	0.03	470	0.03	392					

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.





SINGLE REDUCTION

With Mobil Glygoyle 460 Lubricant

REDUCER SIZE

E17

1.750 CENTER DISTANCE			HORSEPOWER AND TORQUE RATINGS							OVERHUNG LOAD CAPACITIES (lb)			THRUST LOAD CAPACITIES (lb)	
RATIO ¹	INPUT RPM ²	OUTPUT RPM	MECHANICAL							INPUT SHAFT	OUTPUT SHAFT ^{5,6}		OUTPUT SHAFT ⁶	
			1.00 SERVICE FACTOR			1.25 SERVICE FACTOR		1.50 SERVICE FACTOR		ALL SHAFT INPUT MODELS	SOLID ³ SHAFT (e.g. MDNS)	HOLLOW ⁴ 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	0.84	525	82	0.67	420	0.56	350	129	650	700	894	1440
	1750	58	0.66	596	84	0.53	477	0.44	397					
	1160	39	0.48	660	84	0.38	528	0.32	440					
	870	29	0.36	659	85	0.29	527	0.24	439					
	600	20	0.25	657	85	0.20	526	0.17	438					
	300	10	0.13	658	83	0.10	526	0.09	439					
	100	3	0.04	655	80	0.03	524	0.03	437					
40	2500	63	0.66	521	79	0.53	417	0.44	347	149	650	700	894	1440
	1750	44	0.52	603	80	0.42	482	0.35	402					
	1160	29	0.39	676	80	0.31	541	0.26	451					
	870	22	0.30	716	82	0.24	573	0.20	477					
	600	15	0.21	716	81	0.17	573	0.14	477					
	300	8	0.11	719	79	0.09	575	0.07	479					
	100	3	0.04	718	77	0.03	574	0.03	479					
50	2500	50	0.53	504	75	0.42	403	0.35	336	171	650	700	894	1440
	1750	35	0.41	558	76	0.33	446	0.27	372					
	1160	23	0.28	564	75	0.22	451	0.19	376					
	870	17	0.21	565	75	0.17	452	0.14	377					
	600	12	0.14	568	77	0.11	454	0.09	379					
	300	6	0.07	567	76	0.06	454	0.05	378					
	100	2	0.02	568	74	0.02	454	0.01	379					
60	2500	42	0.38	413	72	0.30	330	0.25	275	202	650	700	894	1440
	1750	29	0.27	417	72	0.22	334	0.18	278					
	1160	19	0.19	435	72	0.15	348	0.13	290					
	870	15	0.15	459	71	0.12	367	0.10	306					
	600	10	0.11	482	70	0.09	386	0.07	321					
	300	5	0.06	509	73	0.05	407	0.04	339					
	100	2	0.02	528	71	0.02	422	0.01	352					
83	2500	30	0.21	273	63	0.17	218	0.14	182	200	650		894	1440
	1750	21	0.16	311	64	0.13	249	0.11	207					
	1160	14	0.12	346	64	0.10	277	0.08	231					
	870	10	0.10	364	63	0.08	291	0.07	243					
	600	7	0.07	382	63	0.06	306	0.05	255					
	300	4	0.04	403	63	0.03	322	0.03	269					
	100	1	0.01	417	63	0.01	334	0.01	278					
100	2500	25	0.15	211	57	0.12	169	0.10	141	125	650		894	1440
	1750	18	0.11	236	59	0.09	189	0.07	157					
	1160	12	0.08	257	59	0.06	206	0.05	171					
	870	9	0.06	268	59	0.05	214	0.04	179					
	600	6	0.04	279	59	0.03	223	0.03	186					
	300	3	0.02	292	59	0.02	234	0.01	195					
	100	1	0.01	300	58	0.01	240	0.01	200					

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Ratings



2D DRAWINGS & 3D MODELS
www.WINSMITH.com

