

SINGLE REDUCTION

With Mobil Glygoyle 460 Lubricant



2.375 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•in.)	EFF	INPUT HP	OUTPUT TORQUE (lb•in.)	INPUT HP	OUTPUT TORQUE (lb•in.)	INPUT HP	OUTPUT TORQUE (lb•in.)						
4	SEE MODIFIED PRODUCT SECTION													
5	2500	500	6.94	830	95	5.55	664	4.63	553	350	748	1100	844	1643
	1750	350	5.89	1017	96	4.71	814	3.93	678					
	1160	232	4.81	1263	97	3.85	1010	3.21	842					
	870	174	3.97	1394	97	3.18	1115	2.65	929					
	600	120	3.03	1544	97	2.42	1235	2.02	1029					
	300	60	1.73	1754	97	1.38	1403	1.15	1169					
	100	20	0.67	1928	91	0.54	1542	0.45	1285					
7.5	2500	333	5.40	960	94	4.32	768	3.60	640	320	799	1187	968	1909
	1750	233	4.54	1168	95	3.63	934	3.03	779					
	1160	155	3.64	1431	96	2.91	1145	2.43	954					
	870	116	3.01	1581	97	2.41	1265	2.01	1054					
	600	80	2.21	1685	97	1.77	1348	1.47	1123					
	300	40	1.12	1689	96	0.90	1351	0.75	1126					
	100	13	0.40	1692	89	0.32	1354	0.27	1128					
10	2500	250	4.29	1006	93	3.43	805	2.86	671	230	895	1280	1067	1909
	1750	175	3.67	1249	95	2.94	999	2.45	833					
	1160	116	2.55	1321	95	2.04	1057	1.70	881					
	870	87	1.91	1321	95	1.53	1057	1.27	881					
	600	60	1.31	1316	95	1.05	1053	0.87	877					
	300	30	0.68	1353	95	0.54	1082	0.45	902					
	100	10	0.26	1433	88	0.21	1146	0.17	955					
15	2500	167	3.21	1101	91	2.57	881	2.14	734	234	1025	1414	1238	1909
	1750	117	2.71	1359	93	2.17	1087	1.81	906					
	1160	77	1.81	1376	93	1.45	1101	1.21	917					
	870	58	1.36	1381	94	1.09	1105	0.91	921					
	600	40	0.94	1383	94	0.75	1106	0.63	922					
	300	20	0.50	1461	92	0.40	1169	0.33	974					
	100	7	0.19	1545	84	0.15	1236	0.13	1030					
20	2500	125	2.55	1138	88	2.04	910	1.70	759	235	1025	1414	1500	1909
	1750	88	2.11	1383	91	1.69	1106	1.41	922					
	1160	58	1.60	1611	93	1.28	1289	1.07	1074					
	870	44	1.20	1613	93	0.96	1290	0.80	1075					
	600	30	0.76	1464	92	0.61	1171	0.51	976					
	300	15	0.39	1467	90	0.31	1174	0.26	978					
	100	5	0.15	1515	82	0.12	1212	0.10	1010					
25	2500	100	1.98	1068	86	1.58	854	1.32	712	235	1025	1414	1500	1909
	1750	70	1.61	1285	88	1.29	1028	1.07	857					
	1160	46	1.05	1280	89	0.84	1024	0.70	853					
	870	35	0.78	1276	90	0.62	1021	0.52	851					
	600	24	0.56	1311	90	0.45	1049	0.37	874					
	300	12	0.31	1412	88	0.25	1130	0.21	941					
	100	4	0.12	1483	81	0.10	1186	0.08	989					

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.



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





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REDUCER SIZE

E24

2.375 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	1.76	1107	83	1.41	886	1.17	738	235	1025	1414	1500	1909
	1750	58	1.45	1360	87	1.16	1088	0.97	907					
	1160	39	0.94	1350	88	0.75	1080	0.63	900					
	870	29	0.71	1359	88	0.57	1087	0.47	906					
	600	20	0.51	1380	86	0.41	1104	0.34	920					
	300	10	0.28	1498	84	0.22	1198	0.19	999					
	100	3	0.10	1583	80	0.08	1266	0.07	1055					
40	2500	63	1.38	1103	79	1.10	882	0.92	735	235	1025	1414	1500	1909
	1750	44	1.11	1335	83	0.89	1068	0.74	890					
	1160	29	0.73	1333	85	0.58	1066	0.49	889					
	870	22	0.54	1336	85	0.43	1069	0.36	891					
	600	15	0.38	1325	83	0.30	1060	0.25	883					
	300	8	0.21	1430	81	0.17	1144	0.14	953					
	100	3	0.08	1505	77	0.06	1204	0.05	1003					
50	2500	50	1.16	1112	76	0.93	890	0.77	741	235	1025	1414	1500	1909
	1750	35	0.92	1329	80	0.74	1063	0.61	886					
	1160	23	0.63	1421	83	0.50	1137	0.42	947					
	870	17	0.48	1417	82	0.38	1134	0.32	945					
	600	12	0.34	1411	80	0.27	1129	0.23	941					
	300	6	0.17	1422	78	0.14	1138	0.11	948					
	100	2	0.06	1421	74	0.05	1137	0.04	947					
60	2500	42	0.96	1055	72	0.77	844	0.64	703	235	1025	1414	1500	1909
	1750	29	0.70	1134	75	0.56	907	0.47	756					
	1160	19	0.46	1138	77	0.37	910	0.31	759					
	870	15	0.34	1144	78	0.27	915	0.23	763					
	600	10	0.24	1168	77	0.19	934	0.16	779					
	300	5	0.13	1252	75	0.10	1002	0.09	835					
	100	2	0.05	1312	71	0.04	1050	0.03	875					
80	2500	31	0.53	687	65	0.42	550	0.35	458	235	1025	1414	1500	1909
	1750	22	0.38	735	66	0.30	588	0.25	490					
	1160	15	0.29	837	67	0.23	670	0.19	558					
	870	11	0.23	892	68	0.18	714	0.15	595					
	600	8	0.16	947	71	0.13	758	0.11	631					
	300	4	0.08	988	70	0.06	790	0.05	659					
	100	1	0.03	988	64	0.02	790	0.02	659					
100	2500	25	0.34	490	57	0.27	392	0.23	327	235	1025	1414	1500	1909
	1750	18	0.27	576	59	0.22	461	0.18	384					
	1160	12	0.20	654	60	0.16	523	0.13	436					
	870	9	0.16	696	61	0.13	557	0.11	464					
	600	6	0.12	738	61	0.10	590	0.08	492					
	300	3	0.06	788	64	0.05	630	0.04	525					
	100	1	0.02	818	59	0.02	654	0.01	545					

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