

# Hitachi Nico Transmission Co., Ltd.

## Intermediate Duty Marine Gear Ratings Model MGN Series (Vertical Offset Type)

Model	SAE Hsg.	Standard Ratios	Input Rating						Max. Speed min <sup>-1</sup>
			1200 min <sup>-1</sup>		1600 min <sup>-1</sup>		1800 min <sup>-1</sup>		
			kW	HP	kW	HP	kW	HP	
MGN 80EL	0, 1	3.56, 4.13	392	525	523	701	588	788	2300
		4.56	391	524	521	698	586	785	
		4.91	366	490	488	654	549	736	
		5.24	343	460	457	612	514	689	
MGN 90BL	0	2.51, 3.06, 3.48, 3.93, 4.46	632	847	842	1129	948	1270	2350
		4.79	569	763	759	1017	854	1144	
MGN 91BL	0	5.04, 5.52, 5.92	644	863	858	1150	965	1293	2350
		6.45	597	800	797	1068	896	1201	
		6.86	542	726	723	969	813	1089	
			1900 min <sup>-1</sup>		2100 min <sup>-1</sup>		2300 min <sup>-1</sup>		
MGN 123	1, 2, 3	1.52, 1.97, 2.57	242	325	267	358	293	393	3300
		3.08	227	305	251	337	275	369	
		3.46	214	287	236	316	259	347	
MGN 133-A	0, 1, 2	1.65, 2.00, 2.48	416	557	460	616	503	674	2800
		2.92	384	515	424	568	465	623	
		3.25	335	449	371	497	406	544	
		3.43	312	418	344	461	377	505	
MGN 153	0, 1, 2	1.65, 2.00, 2.48, 2.92, 3.25, 3.43	366	491	404	542	443	594	2800
MGN 173	0, 1	1.53, 1.97, 2.44, 2.93	415	557	459	616	502	673	2600
		3.54	374	502	413	554	453	607	
			1800 min <sup>-1</sup>		1900 min <sup>-1</sup>		2100 min <sup>-1</sup>		
MGN 253	1	1.11	778	1043	802	1075	864	1159	2500
		1.49, 1.72	731	980	757	1015	808	1084	
		1.97	685	919	705	945	757	1015	
		2.54	572	767	603	809	654	877	
		2.92	441	591	518	695	575	771	
MGN 293B	0, 1	1.07, 1.50, 1.66, 1.74, 1.97, 2.04	841	1127	875	1173	942	1262	2500
		2.45	812	1088	857	1148	937	1256	
		2.82	701	939	740	992	818	1096	
MGN 294B	0, 1	2.46, 3.03	882	1182	925	1240	1000	1340	2500
		3.48	849	1138	882	1182	945	1266	
		3.93	774	1037	804	1077	861	1154	
		4.43	722	967	750	1005	804	1077	
MGN 335E	0	3.30, 4.11	819	1097	864	1159	955	1281	2300
		4.68, 4.72	777	1041	820	1100	906	1215	
		5.22	694	930	732	982	809	1085	
		6.05	617	826	651	873	719	964	
MGN 353B	0	1.15, 1.33, 1.53, 1.73	1047	1403	1087	1457	1166	1562	2500
		2.03	1025	1374	1142	1530	1142	1530	
		2.32	1019	1365	1136	1522	1136	1522	
		2.44	987	1323	1100	1474	1100	1474	
		2.72	915	1226	1019	1365	1019	1365	
MGN 433E	00, 0	1.18	1260	1690	1330	1784	1470	1971	2500
		1.53, 1.71, 2.06	1350	1810	1425	1911	1575	2112	
MGN 433G	0, 1	1.18, 1.53, 1.73, 2.06	1450	1944	1530	2052	1691	2268	2500
		2.52	1248	1674	1318	1767	1457	1954	
MGN 453A	00, 0	1.18, 1.54, 2.06, 2.52, 2.92	1655	2219	1747	2343	1931	2589	2100
		3.25	1401	1879	1478	1982	1634	2191	
		3.43	1126	1510	1189	1594	1314	1762	
MGN 493A	00, 0	1.16, 2.08, 1.52	2252	3020	2378	3189	2628	3524	2100
		2.47	2206	2958	2328	3122	2573	3450	
		2.96	2196	2945	2317	3107	2560	3433	
MGN 532	0	1.45, 1.57, 1.70, 1.84, 2.00	2343	3142	2473	3317	2734	3666	2100
		2.36	2171	2911	2292	3074	2533	3397	
		2.50	2039	2734	2152	2886	2379	3190	
MGN 533	---	2.60, 2.79	2343	3142	2473	3316	2734	3666	2100
		3.00, 3.24	2171	2911	2292	3074	2533	3397	
		3.50	2039	2734	2152	2886	2379	3190	
			1500 min <sup>-1</sup>		1600 min <sup>-1</sup>		1800 min <sup>-1</sup>		
MGN 632	---	1.49, 1.68, 1.83, 2.00, 2.29, 2.52	2493	3343	2660	3567	2992	4012	2000
MGN 633	---	2.64, 2.85, 3.09, 3.37, 3.52	2493	3343	2660	3567	2992	4012	2000
MGN 732	---	1.46, 1.68, 1.84, 2.03, 2.25, 2.50	3122	4187	3330	4466	3747	5025	2000
MGN 733	---	2.66, 2.90, 3.03, 3.33, 3.50	3122	4187	3330	4466	3747	5025	2000
MGN 832	---	1.45, 1.72, 1.88, 2.06, 2.27, 2.50	4016	5385	4284	5745	4819	6462	1800

# Hitachi Nico Transmission Co., Ltd.

## Intermediate Duty Marine Gear Ratings

### Model MGNV Series (Down Angle Type)

Model	SAE Hsg.	Standard Ratios	Input Rating						Max. Speed min <sup>-1</sup>
			1900 min <sup>-1</sup>		2100 min <sup>-1</sup>		2300 min <sup>-1</sup>		
			kW	HP	kW	HP	kW	HP	
MGNV 123	3	1.53, 2.03, 2.46	258	346	285	382	312	418	3300
		2.96	246	330	272	365	298	399	
MGNV 133	1	1.57, 1.97, 2.48	366	491	405	543	443	594	2800
		2.96	366	491	405	543	436	584	
MGNV 172E	0, 1	1.56, 1.78, 2.03, 2.37	514	689	568	762	623	835	2600
MGNV 172EC	---	1.56, 1.78, 2.03, 2.37	514	689	568	762	623	835	2600
MGNV 253	1	1.51, 1.73	822	1102	897	1203	959	1286	2500
		2.07	695	932	746	1000	795	1066	
		2.44	600	805	648	869	692	928	
		2.95	530	711	577	774	618	829	
MGNV 253C	---	1.51, 1.73	750	1006	806	1081	864	1159	2500
		2.07	684	917	736	987	791	1061	
		2.44	600	805	647	867	695	932	
		2.95	530	711	586	786	642	861	
			1800 min <sup>-1</sup>		1900 min <sup>-1</sup>		2100 min <sup>-1</sup>		
MGNV 293B	0, 1	1.29, 1.51, 1.74	894	1198	929	1245	996	1335	2500
		2.03, 2.48	765	1025	853	1143	909	1218	
		2.80	754	1010	840	1126	895	1199	
MGNV 293BC	---	1.29, 1.51, 1.74	894	1198	929	1245	996	1335	2500
		2.03, 2.48	765	1025	795	1065	853	1143	
		2.80	754	1010	783	1049	840	1126	
MGNV 353B	0	1.55, 1.72, 2.09	1103	1478	1165	1561	1287	1725	2500
		2.42	979	1312	1018	1364	1091	1462	
		2.73	870	1166	904	1211	970	1300	
MGNV 353BC	---	1.55	1024	1372	1064	1426	1141	1529	2500
		1.72	990	1327	1029	1379	1104	1479	
		2.09	944	1250	981	1315	1052	1410	
		2.42	907	1215	942	1262	1011	1355	
		2.73	822	1101	854	1144	916	1227	
MGNV 453A	00, 0	1.48, 1.97, 2.50, 2.79	1693	2270	1787	2396	1975	2648	2100
MGNV 453AC	---	2.93	1646	2207	1737	2329	1920	2575	
MGNV 493A	00, 0	1.49, 2.08	2340	3138	2470	3312	2730	3661	2100
MGNV 493AC	---	2.44, 2.93	2196	2945	2317	3107	2560	3433	