



Industrial Worm Gear Reducer

VARIODRIVE SERIES

Ratings Chart

All ratings are based on 1750 Input RPM

Model	Ratio	5	7.5	10	15	20	25	30	40	50	60	80	100
BMQ030 B030	Input HP	1.02	0.69	0.54	0.38	0.30	0.30	0.25	0.19	0.15	0.13	0.09	NA
	Output Torque*	159	159	159	159	159	186	177	159	150	140	115	NA
	Output RPM	350	233	175	117	88	70	58	44	35	29	22	NA
	Output OHL**	113	129	142	163	179	193	205	225	243	259	284	NA
BMQ040 B040	Input HP	1.88	1.51	1.16	0.80	0.61	0.50	0.53	0.39	0.31	0.25	0.19	0.15
	Output Torque*	301	354	354	354	345	336	398	363	345	319	292	257
	Output RPM	350	233	175	117	88	70	58	44	35	29	22	18
	Output OHL**	221	253	279	319	350	378	403	441	476	507	556	595
BMQ050 B050	Input HP	3.43	2.64	2.06	1.48	1.14	0.90	0.96	0.70	0.57	0.47	0.38	0.28
	Output Torque*	549	628	637	655	646	619	743	672	646	602	575	487
	Output RPM	350	233	175	117	88	70	58	44	35	29	22	18
	Output OHL**	322	369	406	464	510	551	586	643	694	739	810	866
BMQ063 B063	Input HP	NA	4.77	3.67	2.76	2.05	1.64	1.77	1.27	1.01	0.86	0.66	0.57
	Output Torque*	NA	1133	1150	1239	1194	1150	1416	1283	1194	1150	1079	1044
	Output RPM	NA	223	175	117	88	70	58	44	35	29	22	18
	Output OHL**	NA	463	510	583	641	692	736	807	871	928	1017	1088
BMQ075 B075	Input HP	NA	6.81	5.45	3.86	3.15	2.46	2.48	1.88	1.50	1.26	0.97	0.80
	Output Torque*	NA	1637	1725	1770	1858	1770	2035	1947	1858	1770	1681	1593
	Output RPM	NA	233	175	117	88	70	58	44	35	29	22	18
	Output OHL**	NA	549	604	691	759	820	873	957	1033	1099	1205	1289
BMQ090 B090	Input HP	NA	10.56	8.56	6.86	5.19	4.08	4.31	2.95	2.32	1.90	1.39	1.12
	Output Torque*	NA	2566	2743	3185	3141	3008	3628	3185	3008	2831	2522	2389
	Output RPM	NA	233	175	117	88	70	58	44	35	29	22	18
	Output OHL**	NA	631	694	794	873	942	1003	1100	1187	1264	1386	1482
BMQ110 B110	Input HP	NA	17.48	14.36	10.86	8.10	6.90	6.53	4.81	3.93	3.19	2.25	1.79
	Output Torque*	NA	4247	4601	5043	4955	5220	5574	5397	5309	4955	4336	4070
	Output RPM	NA	233	175	117	88	70	58	44	35	29	22	18
	Output OHL**	NA	776	853	976	1073	1158	1233	1352	1459	1553	1073	1821
BMQ130 B130	Input HP	NA	27.01	22.64	17.33	13.00	10.88	10.65	8.27	6.42	5.12	3.79	2.84
	Output Torque*	NA	6636	7255	8140	8052	8229	9202	9290	8672	7963	7432	6548
	Output RPM	NA	233	175	117	88	70	58	44	35	29	22	18
	Output OHL**	NA	1017	1119	1279	1407	1518	1616	1772	1913	2036	2233	2387
BMQ150 B150	Input HP	NA	43.22	33.86	23.27	18.58	14.04	11.85	12.21	9.05	7.07	5.20	3.84
	Output Torque*	NA	10618	10972	11060	11502	10618	10618	13715	12387	11149	10175	8848
	Output RPM	NA	233	175	117	88	70	58	44	35	29	22	18
	Output OHL**	NA	1425	1568	1793	1971	2117	2265	2484	2680	2854	3129	3346

*Torque measured in inch-lbs

**Over Hang Load measured in lbs

LIMITATIONS ON HORSEPOWER AND TORQUE RATINGS: The horsepower and torque ratings given here are generalizations. Different conditions for various applications may result in higher or lower horsepower capacities. Under certain conditions the maximum indicated RPM may be exceeded. For these reasons the ratings cannot be guaranteed for any application. Prototype testing should be conducted for each application before production.