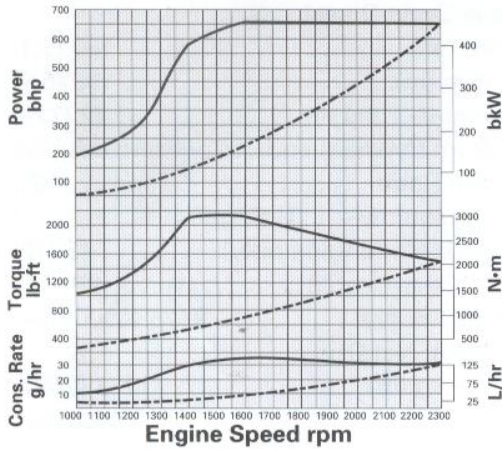




3196 MARINE ENGINE – 365-492 bkW

PERFORMANCE CURVES

E Rating – 2300 rpm 492 bkW (660 bhp) 669 mhp

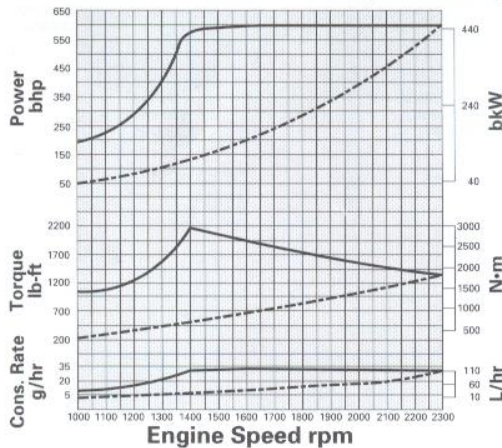


Prop Demand Curve Data					Max Power Curve Data			
Speed rpm	Power bkW	Torque N-m	Fuel Cons g/bkW-hr	Fuel Rate L/hr	Power bkW	Torque N-m	Fuel Cons g/bkW-hr	Fuel Rate L/hr
2300	492	2044	214	125.4	492	2044	214	125.4
2200	431	1870	207	106.0	492	2136	213	124.9
2000	324	1545	201	77.6	492	2350	212	125.0
1800	236	1252	202	56.9	492	2611	218	124.0
1600	166	989	207	40.9	492	2937	228	133.7
1400	111	757	213	28.1	431	2940	225	115.5
1200	70	556	216	18.0	218	1734	220	57.1
1000	41	386	258	12.4	145	1383	225	38.9
800	21	247	396	9.8	96	1147	237	27.1

Speed rpm	Power bhp	Torque lb-ft	Fuel Cons lb/bhp-hr	Fuel Rate g/hr	Power bhp	Torque lb-ft	Fuel Cons lb/bhp-hr	Fuel Rate g/hr
2300	660	1508	.351	33.1	660	1508	.351	33.1
2200	578	1379	.339	28.0	660	1575	.350	33.0
2000	434	1140	.331	20.5	660	1733	.348	32.8
1800	316	923	.332	15.0	660	1926	.358	33.8
1600	222	729	.340	10.8	660	2166	.375	35.3
1400	149	558	.349	7.4	578	2168	.370	30.5
1200	94	410	.355	4.8	292	1279	.361	15.1
1000	54	285	.423	3.3	194	1020	.370	10.3
800	28	182	.651	2.6	129	846	.389	7.2

E RATING – Planing hull vessels such as pleasure craft, harbor patrol, harbor master, and some fishing and pilot boats.

E Rating – 2300 rpm 448 bkW (600 bhp) 608 mhp



Prop Demand Curve Data					Max Power Curve Data			
Speed rpm	Power bkW	Torque N-m	Fuel Cons g/bkW-hr	Fuel Rate L/hr	Power bkW	Torque N-m	Fuel Cons g/bkW-hr	Fuel Rate L/hr
2300	448	1858	210	112.2	448	1858	210	112.2
2200	392	1700	205	95.8	448	1942	208	111.0
2000	294	1405	202	70.9	448	2136	206	110.9
1800	215	1138	203	52.0	448	2374	210	112.1
1600	151	899	209	37.4	448	2670	223	118.7
1400	101	688	215	25.8	431	2938	224	114.8
1200	64	506	221	16.7	218	1734	220	57.1
1000	37	351	270	11.9	145	1383	225	38.9
800	19	225	435	9.8	96	1147	237	27.1

Speed rpm	Power bhp	Torque lb-ft	Fuel Cons lb/bhp-hr	Fuel Rate g/hr	Power bhp	Torque lb-ft	Fuel Cons lb/bhp-hr	Fuel Rate g/hr
2300	600	1370	.346	29.6	600	1370	.346	29.6
2200	525	1254	.337	25.3	600	1432	.342	29.3
2000	395	1036	.332	18.7	600	1575	.339	29.0
1800	288	839	.334	13.7	600	1751	.346	29.6
1600	202	663	.343	9.9	600	1969	.366	31.4
1400	135	507	.353	6.8	578	2167	.368	30.3
1200	85	373	.363	4.4	292	1279	.362	15.1
1000	49	259	.445	3.1	194	1020	.370	10.3
800	25	166	.716	2.6	129	846	.389	7.2

E RATING – Planing hull vessels such as pleasure craft, harbor patrol, harbor master, and some fishing and pilot boats.

- Prop Demand ----- 3.0 Exponent
- Engine Performance Parameters: Power +/- 3%;

Specific Fuel Consumption $\pm 3\%$; Fuel Rate $\pm 5\%$.