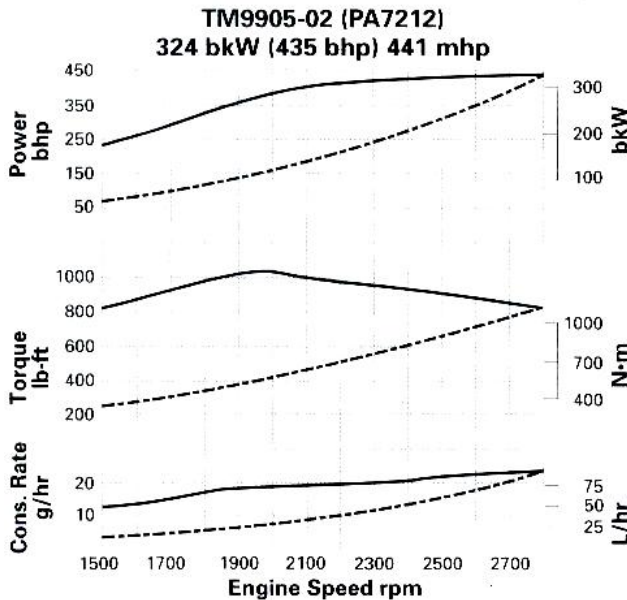


PERFORMANCE CURVES

Turbocharged-Aftercooled (DITA) — Separate Circuit Aftercooling 30° C (86° F) sea water

E Rating – 2800 rpm



Prop Demand ----- 3.0 Exponent
(for displacement hulls only)
Engine Performance Parameters:
Power ± 3%
Specific Fuel Consumption ± 3%
Fuel Rate ± 5%

Cubic Prop Demand Curve Data
(for displacement hulls only)

Speed rpm	Power kW	Torque N-m	Fuel Cons g/bkW-hr	Fuel Rate L/hr
2800	325	1107	235	90.7
2600	260	954	217	67.3
2400	204	813	209	50.8
2200	157	683	206	38.6
2000	118	565	207	29.2
1800	86	457	215	22.0
1700	73	408	222	19.2
1600	61	361	229	16.6
1500	50	318	232	13.8

Max Power Curve Data

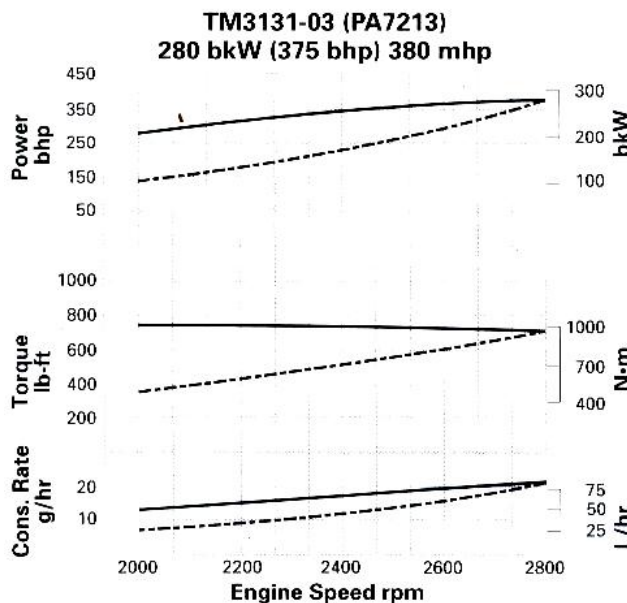
Power kW	Torque N-m	Fuel Cons g/bkW-hr	Fuel Rate L/hr
325	1107	235	90.7
322	1184	221	85.1
315	1251	209	78.3
303	1314	205	73.9
293	1397	210	73.1
255	1352	214	65.1
221	1241	215	56.7
194	1158	217	50.2
174	1105	225	46.6

Speed rpm	Power bhp	Torque lb-ft	Fuel Cons lb/bhp-hr	Fuel Rate g/hr
2800	435	816	.386	24.0
2600	348	704	.357	17.8
2400	274	600	.344	13.4
2200	211	504	.339	10.2
2000	159	417	.340	7.7
1800	116	337	.353	5.8
1700	97	301	.365	5.1
1600	81	266	.376	4.4
1500	67	235	.381	3.6

Power bhp	Torque lb-ft	Fuel Cons lb/bhp-hr	Fuel Rate g/hr
435	816	.386	24.0
432	873	.363	22.5
422	923	.344	20.7
406	969	.337	19.5
392	1030	.345	19.3
342	997	.352	17.2
296	915	.353	15.0
260	854	.357	13.3
233	815	.370	12.3

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

E Rating – 2800 rpm



Prop Demand ----- 3.0 Exponent
(for displacement hulls only)

Cubic Prop Demand Curve Data
(for displacement hulls only)

Speed rpm	Power kW	Torque N-m	Fuel Cons g/bkW-hr	Fuel Rate L/hr
2800	280	956	238	79.5
2600	224	824	225	60.1
2400	176	702	217	45.5
2000	102	490	202	24.5

Max Power Curve Data

Power kW	Torque N-m	Fuel Cons g/bkW-hr	Fuel Rate L/hr
280	956	238	79.5
269	991	229	73.5
254	1015	210	63.7
209	1000	199	49.6

Speed rpm	Power bhp	Torque lb-ft	Fuel Cons lb/bhp-hr	Fuel Rate g/hr
2800	375	703	.391	21.0
2600	300	606	.370	15.9
2400	236	516	.357	12.0
2000	137	360	.332	6.5

Power bhp	Torque lb-ft	Fuel Cons lb/bhp-hr	Fuel Rate g/hr
375	703	.391	21.0
361	729	.376	19.4
341	746	.345	16.8
280	735	.327	13.1

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

Engine performance parameters:

Power $\pm 3\%$
Specific Fuel Consumption $\pm 3\%$
Fuel Rate $\pm 5\%$