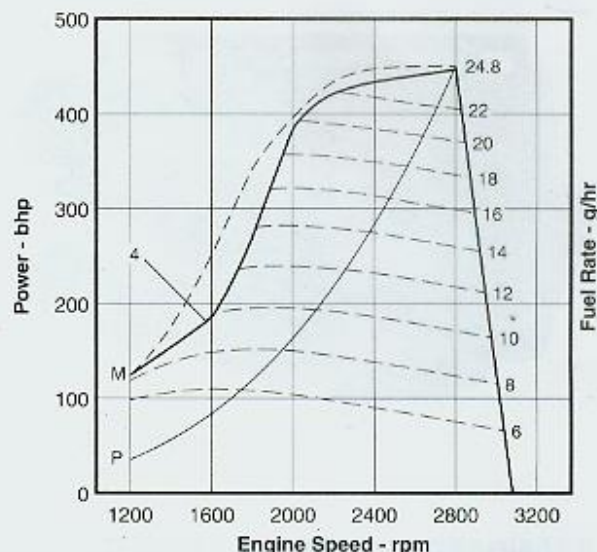
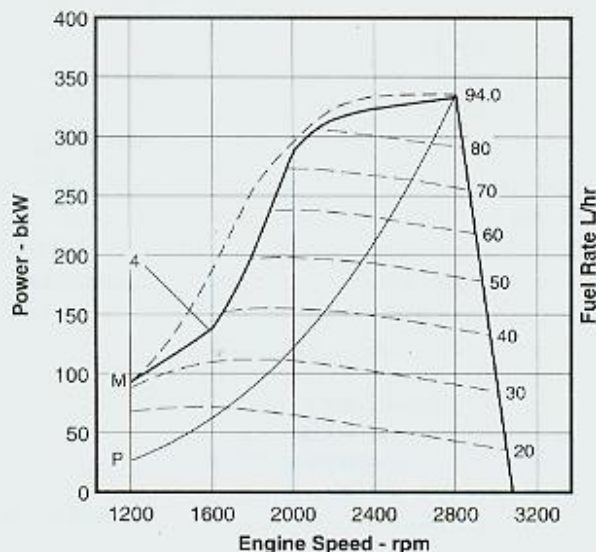


### PERFORMANCE CURVES

E Rating — DM6181-00

IMO Compliant



**336 kW**

**SI Metric**

#### Performance Data

	Engine Speed rpm	Engine Power kW	BSFC g/kWh-h	Fuel Rate L/h	Boost Press kPa Gauge	Intake Air Flow m <sup>3</sup> /min	Exh Manif Temp °C	Exn Gas Flow m <sup>3</sup> /min
<b>Zone</b>	2600	335.5	235	94.0	267.1	27.5	639	63.5
<b>Limit</b>	2600	328.4	231	90.4	270.5	26.2	636	60.6
<b>Curve: 4</b>	2400	323.5	226	87.1	269.6	24.5	639	57.1
	2200	314.4	221	82.7	260.6	22.3	642	52.8
	2000	287.5	216	73.9	235.7	19.1	644	45.6
	1800	201.0	213	51.1	130.3	11.9	646	29.5
	1600	138.4	222	38.7	63.2	7.3	644	19.0
	1400	114.9	254	34.7	41.7	5.4	643	14.4
	1200	93.0	309	34.2	28.2	4.0	605	10.5
<b>Max</b>	2800	335.5	235	94.0	267.1	27.5	639	63.5
<b>Lug</b>	2600	335.5	232	92.8	274.3	26.4	650	62.1
<b>Curve: M</b>	2400	333.8	227	90.3	275.9	24.9	655	59.1
	2200	323.9	222	85.6	267.8	22.7	653	54.6
	2000	295.5	217	76.3	244.8	19.6	652	47.0
	1800	255.2	215	65.3	192.4	15.2	682	38.5
	1600	167.3	223	49.8	108.0	9.4	715	25.9
	1400	130.9	254	39.6	52.7	5.8	688	16.4
	1200	93.0	309	34.2	28.2	4.0	605	10.5
<b>Prop</b>	2800	335.5	235	94.0	267.1	27.5	639	63.5
<b>Demand</b>	2600	268.6	223	71.3	230.8	23.6	539	49.1
<b>Curve: P</b>	2400	211.3	217	54.6	171.0	18.2	501	37.0
	2200	162.7	216	42.3	111.6	13.2	487	27.3
	2000	122.3	224	32.6	65.9	9.3	479	19.9
	1800	99.1	231	24.5	36.3	6.8	456	14.4
	1600	62.6	239	17.9	18.8	5.2	410	10.4
	1400	41.9	258	12.9	8.7	4.0	346	7.5
	1200	26.4	294	9.2	3.1	3.2	280	5.5

Brake Mean Effective Pressure .....1972 kPa

**450 bhp**

**English**

#### Performance Data

	Engine Speed rpm	Engine Power bhp	BSFC lb/bhp-h	Fuel Rate gph	Boost Press in.Hg. Gauge	Intake Air Flow cfm	Exh Manif Temp °F	Exn Gas Flow cfm
<b>Zone</b>	2800	450	.386	24.8	79.1	971	1183	2242
<b>Limit</b>	2600	440	.380	23.9	80.1	925	1177	2140
<b>Curve: 4</b>	2400	434	.372	23.0	79.8	865	1182	2016
	2200	422	.363	21.8	77.2	789	1187	1865
	2000	386	.354	19.5	69.8	675	1192	1610
	1800	270	.351	13.5	38.6	420	1195	1042
	1600	186	.365	9.7	18.7	258	1190	671
	1400	154	.417	9.2	12.3	191	1189	509
	1200	125	.507	9.0	8.4	141	1120	371
<b>Max</b>	2800	450	.386	24.8	79.1	971	1183	2242
<b>Lug</b>	2600	450	.382	24.5	81.2	932	1202	2193
<b>Curve: M</b>	2400	448	.373	23.9	81.7	879	1212	2087
	2200	434	.364	22.6	79.3	802	1208	1928
	2000	396	.356	20.2	72.5	692	1205	1660
	1800	342	.353	17.3	57.0	537	1259	1360
	1600	251	.366	13.2	32.0	332	1319	915
	1400	176	.417	10.5	15.6	205	1270	579
	1200	125	.507	9.0	8.4	141	1120	371
<b>Prop</b>	2800	450	.386	24.8	79.1	971	1183	2242
<b>Demand</b>	2600	360	.366	18.8	68.3	833	1002	1734
<b>Curve: P</b>	2400	283	.357	14.4	50.6	643	933	1307
	2200	218	.359	11.2	35.0	466	909	964
	2000	164	.368	8.6	19.5	328	895	703
	1800	119	.379	6.5	10.7	240	853	509
	1600	84	.394	4.7	5.6	184	770	367
	1400	56	.424	3.4	2.6	141	655	265
	1200	35	.483	2.4	0.9	113	537	194

Brake Mean Effective Pressure .....286 psi

