

PROPULSION ENGINES

POWER: HEAVY DUTY	147-588 kW
MEDIUM DUTY	176-809 kW
LIGHT DUTY	198-956 kW



Engine and Gearbox:

MAN 4-stroke high-speed marine diesel engines and all well-known gearboxes, for fixed as well as controllable pitch propeller.

Construction:

All sets are delivered with engine and gearbox foundation for direct installation in the ship.

Cooling System:

The sets are available with sea water/fresh water cooling incl. all pumps, all mounted on the set. Alternatively for connection to box coolers.

Starting System:

24V electric start or compressed air.

Control System:

The sets are delivered with control systems according to the customers' demands, i.e. instrument panels for engine room, bridge with necessary alarms and shut-downs according to the classification rules, if requested.

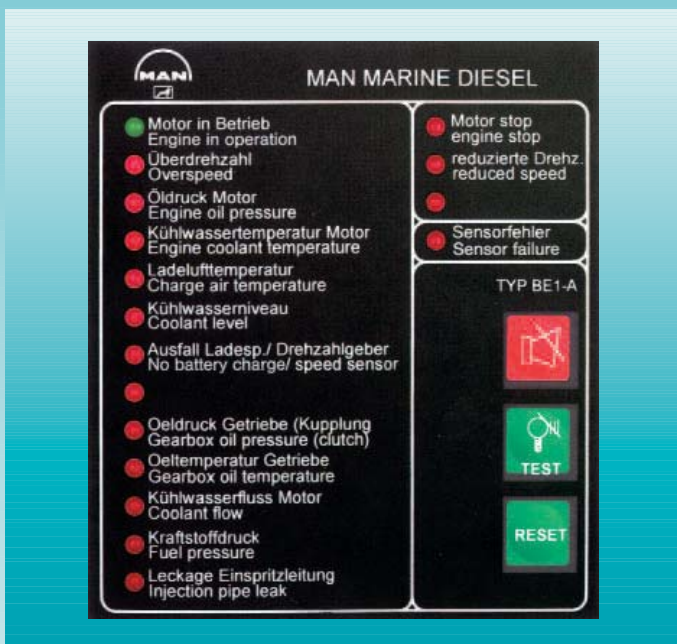
Furthermore, the sets are available with remote control levers for Engine speed and propeller rotation/pitch of propeller.

Quality, Economy:

The engines are characterized by:

- **Low fuel oil consumption, approx. 190 g/kW**
- **Long lifetime, 20,000 operation hours before first overhaul**
- **Low maintenance costs**
- **Low noise level, approx. 95 dB**
- **Compactness and low weight, approx. 3,5 kg/kW**
- **New Turbo-system with a so-called wastegate to prevent black smoke at low engine speed**
- **Meet newest environmental standards**

All these advantages, together with the high quality, make a DEMP propulsion engine a valuable, long-term investment.



RATING LIST

Engine type ¹⁾	Cylinder arrangement and quantity ²⁾	① MCR rating, heavy duty ³⁾	② MCR rating, medium duty ³⁾	③ MCR rating, light duty ³⁾	Max. rating for classification ⁴⁾	Speed	Fuel oil consumption	Bore / Stroke / Volume	Max. length ⁵⁾	Width ⁵⁾	Height with low oil sump ⁵⁾	Height from middle crankshaft to top of engine ⁵⁾	Weight, dry ⁶⁾	Proposal for gearboxes ⁹⁾	Gearbox weight
		kW (HP)	kW (HP)	kW (HP)	kW (HP)	rpm	g/kWh	mm/mm/ltr	mm	mm	mm	mm	kg		kg
D 0826 LE 40	6 R	147 (200)	---	---	147 (200)	2100	203	108/120	1130	855	830	554	640	HSW 800 A2 ^③	64
		---	176 (240)	---	176 (240)	2400	208	6,6						MG 5050 A ^③	80
		---	---	198 (270)	198 (270)	2600	215								
D 2866 E	6 R	125 (170)	132 (180)	---	125 (170)	1500	208	128/155	1500	860	1026	695	985	MG 5081 ^①	179
		151 (205)	162 (220)	---	151 (205)	1800	213	11,97						IRM 310 PL ^①	142
		165 (224)	178 (242)	---	165 (224)	2100	220							MG 507-1 ^②	159
		---	---	185 (252)	170 (231)	2200	225							IRM 301 PL-2 ^②	94
D 2866 TE	6 R	190 (258)	206 (280)	---	206 (280)	1800	210	128/155	1448	897	1148	817	1000	MG 5081 ^①	179
		---	221 (300)	---	221 (300)	2100	217	11,97						IRM 311 PL ^①	149
		---	225 (306)	235 (320)	235 (320)	2200	225							IRM 301A-2 ^③	99
D 2866 TE 9)	6 R	203 (276)	223 (303)	---	218 (296)	1800	210	128/155	1448	897	1148	817	1000	MG 5091 ^①	220
		---	225 (306)	---	225 (306)	2100	215	11,97						MG 5081 ^②	179
		---	---	250 (340)	250 (340)	2200	218							IRM 301 A-2 ^③	99
D 2866 LXE 40	6 R	250 (340)	279 (379)	---	279 (379)	1800	202	128/155	1448	897	1148	817	1020	MG 5114 ^①	203
		---	294 (400)	---	294 (400)	2100	212	11,97						IRM 350 PL ^①	256
		---	---	324 (440)	324 (440)	2200	220							IRM 310 A ^③	149
D 2866 LE 403	6 R	---	368 (500)	---	368 (500)	2100	234	128/155	1320	869	998	667	1160	MG 5114 ^①	203
		---	---	---	---	---	---	11,97						IRM 350 PL ^②	256
D 2866 LE 402	6 R	---	---	368 (500)	368 (500)	2200	233	128/155						MG 5085 A ^③	123
		---	---	---	---	---	---	11,97						IRM 310 A ^②	149
D 2866 LE 405	6 R	---	---	449 (610)	441 (600)	2200	227	128/155						MG 5090 A ^③	215
		---	---	---	---	---	---	11,97						IRM 311 A ^③	150
D 2848 LE	8 V	280 (380)	294 (400)	---	294 (400)	1800	205	128/142	1176	1206	998	640	1210	MG 5114 ^①	203
		---	331 (450)	---	331 (450)	2100	208	14,62						BW 155 ^①	263
		---	347 (472)	---	375 (510)	2300	210							MG 5091 ^②	220
D 2848 LE 401	8 V	---	397 (540)	---	397 (540)	2100	219	128/142	1176	1216	1048	660	1310	MG 5114 ^②	203
		---	---	500 (680)	500 (680)	2300	232	14,62						IRM 350 A ^③	234
D 2848 LE 405	8 V	---	478 (650)	---	---	2100	212	128/142	1176	1230	1073	685	1340	BW 155 ^②	263
		---	---	---	---	---	---	14,62							
D 2848 LE 403	8 V	---	---	588 (800)	---	2300	230	128/142	1176	1230	1073	685	1340	MG 5114 A ^③	206
		---	---	---	---	---	---	14,62						IRM 350 A ^③	234
D 2840 LE	10 V	346 (470)	365 (496)	---	365 (496)	1800	200	128/142	1480	1183	1072	691	1410	MG 5141 ^①	281
		---	412 (560)	---	412 (560)	2100	208	18,27						WAF 242 ^①	500
		---	434 (590)	---	467 (635)	2300	210							BW 155 ^①	263
D 2840 LE 402	10 V	441 (600)	---	---	441 (600)	1800	212	128/142	1334	1219	1170	660	1510	MG 5202 ^①	587
		---	---	---	---	---	---	18,27						BW 191-2 ^①	680
D 2840 LE 401	10 V	---	478 (650)	---	478 (650)	2100	212	128/142	1334	1211	1069	660	1520	BW 155 ^②	263
		---	---	603 (820)	603 (820)	2300	222	18,27						MG 5114 A ^③	206
D 2840 LE 403	10 V	---	---	772 (1050)	---	2300	227	128/142	1334	1230	1118	685	1570	IRM 350 A ^③	234
		---	---	---	---	---	---	18,27						BW 155 ^③	263
D 2842 LE	12 V	420 (571)	441 (600)	---	441 (600)	1800	200	128/142	1638	1183	1172	769	1610	WAF 340 ^①	600
		---	497 (676)	---	497 (676)	2100	208	21,93						BW 190 ^①	333
		---	520 (707)	---	559 (760)	2300	210							BW 155 ^②	263
D 2842 LE 403	12 V	529 (720)	---	---	---	1800	216	128/142	1491	1230	1105	685	1750	MG 5202 ^①	587
		---	---	---	---	---	---	21,93						BW 191-2 ^①	680
D 2842 LE 401	12 V	---	588 (800)	---	588 (800)	2100	212	128/142	1491	1211	1082	660	1700	BW 190 ^②	333
		---	---	735 (1000)	735 (1000)	2300	222	21,93						WVS 234 M ^③	280
D 2842 LE 408	12 V	---	735 (1000)	---	735 (1000)	2100	216	128/142	1491	1230	1105	685	1750	BW 160/A ^③	286
		---	---	---	---	---	---	21,93						WVS 430/1 ^②	505
D 2842 LE 402	12 V	---	---	809 (1100)	809 (1100)	2300	224	128/142	1491	1211	1082	660	1720	BW 190/A ^②	333
		---	---	---	---	---	---	21,93						WVS 234 M ^③	280
D 2842 LE 406	12 V	---	---	882 (1200)	---	2300	228	128/142	1491	1230	1105	685	1750	BW 165/A ^③	288
		---	---	---	---	---	---	21,93						WVS 234 M ^③	280
D 2842 LE 40410)	12 V	---	---	956 (1300)	---	2300	228	128/142	1491	1230	1105	685	1800	BW 165 P3/A3 ^③	272
		---	---	---	---	---	---	21,93						BW 165 P4 ^③	280
														WVS 234/2 ^③	335

Agent for:



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