

# MAN marine diesel engines

## Water-cooled 4-stroke diesel engines for marine propulsion

Table of models and data

Engine model	Number of cylinders, arrangement <sup>1)</sup>	Nominal rating <sup>2)</sup>	Engine classifiable <sup>3)</sup>	Rated speed	Fuel consumption at nominal rating	Bore/Stroke/Swept volume	Length up to flywheel house edge <sup>4)</sup>	Width <sup>4)</sup>	Height <sup>4)</sup>	Height from top of engine to crankshaft centre <sup>4)</sup>	Average weight of engine ready for installation (dry)	Exhaust-gas status
		kW (hp)		rpm	g/kWh l/h	mm/mm l	mm	mm	mm	mm		

### Heavy duty<sup>5)</sup>

D 2866 LXE 40	6 R	190 (258)	● <sup>6)</sup>	1800	211 48	128/155 11.97	1448	897	1148	817	1020	IMO, ZKR1
D 2866 LXE 47	6 R	221 (300)	–	1800	210 55	128/155 11.97	1448	897	1148	817	1020	IMO, ZKR1
D 2866 LXE 40	6 R	250 (340)	● <sup>6)</sup>	1800	209 62	128/155 11.97	1448	897	1148	817	1020	IMO, ZKR1
D 2876 LE 403	6 R	331 (450)	● <sup>6)</sup>	1800	213 84	128/166 12.82	1320	882	966	665	1290	IMO, ZKR1
D 2842 LE	12 V	441 (600)	● <sup>6)</sup>	1800	206 108	128/142 21.93	1638	1203	1171	769	1720	IMO, ZKR1
D 2842 LE 403	12 V	529 (720)	● <sup>6)</sup>	1800	216 136	128/142 21.93	1491	1230	1105	685	1790	IMO, ZKR1
D 2842 LE 412	12 V	588 (800)	● <sup>6)</sup>	1800	212 148	128/142 21.93	1491	1230	1105	685	1790	IMO, ZKR1
D 2842 LE 405	12 V	662 (900)	● <sup>6)</sup>	2100	218 172	128/142 21.93	1491	1230	1105	685	1790	IMO, ZKR1

### Medium duty<sup>5)</sup>

D 0836 LE 402 <sup>EDC</sup>	6 R	265 (360)	–	2400	218 69	108/125 6.87	1127	740	925	590	730	IMO
D 2866 LXE 40	6 R	294 (400)	● <sup>6)</sup>	2100	216 76	128/155 11.97	1448	897	1148	817	1020	IMO, ZKR1
D 2866 LE 403	6 R	368 (500)	● <sup>6)</sup>	2100	227 99	128/155 11.97	1320	869	998	667	1160	IMO, ZKR1
D 2876 LE 402 <sup>EDC</sup>	6 R	412 (560)	● <sup>6)</sup>	2100	222 109	128/166 12.82	1320	882	966	665	1290	IMO
D 2848 LE 405	8 V	478 (650)	–	2100	215 122	128/142 14.62	1176	1230	1073	685	1390	IMO, ZKR1
D 2840 LE 401	10 V	478 (650)	● <sup>6)</sup>	2100	212 121	128/142 18.27	1334	1217	1071	660	1580	IMO, ZKR1
D 2842 LE	12 V	497 (676)	● <sup>6)</sup>	2100	212 125	128/142 21.93	1638	1203	1171	769	1720	IMO, ZKR1
D 2842 LE 401	12 V	588 (800)	● <sup>6)</sup>	2100	212 148	128/142 21.93	1491	1217	1082	662	1790	IMO, ZKR1
D 2842 LE 413	12 V	735 (1000)	● <sup>6)</sup>	2100	227 199	128/142 21.93	1491	1230	1105	685	1790	IMO, ZKR1
D 2842 LE 410 <sup>EDC</sup>	12 V	809 (1100)	● <sup>6)</sup>	2100	210 202	128/142 21.93	1491	1230	1105	685	1860	IMO, ZKR1

### Light duty<sup>5)</sup>

D 0836 LE 401 <sup>EDC</sup>	6 R	331 (450)	–	2600	225 89	108/125 6.87	1127	740	925	590	730	IMO, ZKR1
R6-550	6 R	404 (550)	–	2600	230 111	108/125 6.87	1121	867	939	602	900	IMO, EPA TIER 2, RCD 94/25/EC
D 2876 LE 404 <sup>EDC</sup>	6 R	463 (630)	–	2200	220 121	128/166 12.82	1320	882	966	665	1290	IMO
R 6-730 <sup>6)</sup>	6 R	537 (730)	–	2300	225 145	128/166 12.82	1320	882	978	665	1305	IMO, SAV, EPA TIER 2, RCD 94/25/EC
R 6-800 <sup>6)</sup>	6 R	588 (800)	–	2300	225 158	128/166 12.82	1320	882	978	665	1305	IMO, SAV, EPA TIER 2, RCD 94/25/EC
D 2848 LE 403	8 V	588 (800)	● <sup>6)</sup>	2300	225 158	128/142 14.62	1176	1230	1063	685	1390	IMO
V 8-900 <sup>6)</sup>	8 V	662 (900)	–	2300	230 181	128/142 14.62	1176	1230	1120	730	1565	IMO, SAV, EPA TIER 2, RCD 94/25/EC
V 10-1100 <sup>6)</sup>	10 V	809 (1100)	–	2300	225 217	128/142 18.27	1334	1230	1183	730	1855	IMO, SAV, EPA TIER 2, RCD 94/25/EC
V 12-1224 <sup>6)</sup>	12 V	900 (1224)	–	2300	217 233	128/142 21.93	1491	1230	1185	730	1965	IMO, EPA TIER 2, RCD 94/25/EC
D 2842 LE 404 <sup>EDC</sup>	12 V	956 (1300)	● <sup>6)</sup>	2300	225 256	128/142 21.93	1491	1230	1105	685	1860	IMO
V 12-1360 <sup>6)</sup>	12 V	1000 (1360)	–	2300	222 264	128/142 21.93	1491	1230	1185	730	1965	IMO, EPA TIER 2, RCD 94/25/EC
V 12-1550 <sup>6)</sup>	12 V	1140 (1550)	–	2300	226 307	128/142 21.93	1491	1380	1270	800	2165	IMO, EPA TIER 2, RCD 94/25/EC

<sup>1)</sup> No. and arrangement of cylinders  
R = cylinders arranged in-line  
V = cylinders in 90° V arrangement

<sup>2)</sup> Nominal ratings are to DIN ISO 3046-1. Other ratings and engine-speed settings on request.

<sup>3)</sup> Classification society and classifiable performance on request

<sup>4)</sup> Minimum dimensions. Precise dimensions on request.

<sup>5)</sup> Definition of duty types  
Heavy duty  
Unlimited number of hours of operation per year  
Up to 100% of time at full load  
Medium duty  
Up to 3000 hours of operation per year  
Up to 50% of time at full load  
Light duty  
Up to 1000 hours of operation per year  
Up to 20% of time at full load

<sup>6)</sup> Only for operation of private yachts.

All specifications in this data sheet represent the status at the time of going to press. We reserve the right to make modifications in the course of technical progress.