

# KDI Marine Propulsion

40.8 - 50 HP



 **LOMBARDINI**  
**Marine**  
**KOHLER** Engines

# KDI 1903M-MP

## QUICK SPECIFICS

**3** Mechanical Engine

CYLINDERS

**40.8** | **30.0** @ 2600 rpm  
HP | kW STAGE III A

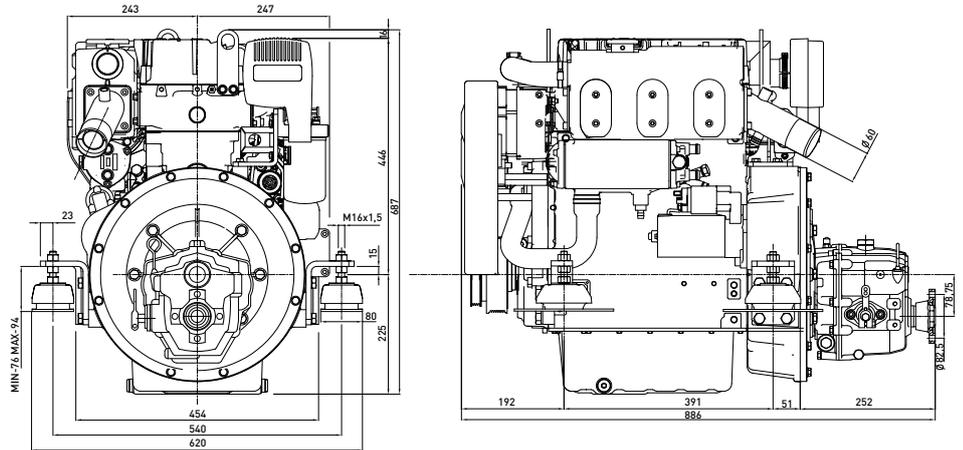
**133** @ 1500 rpm  
Nm



## DATA

### DIMENSIONS (mm)

KDI 1903M-MP with TMC60 marine gear



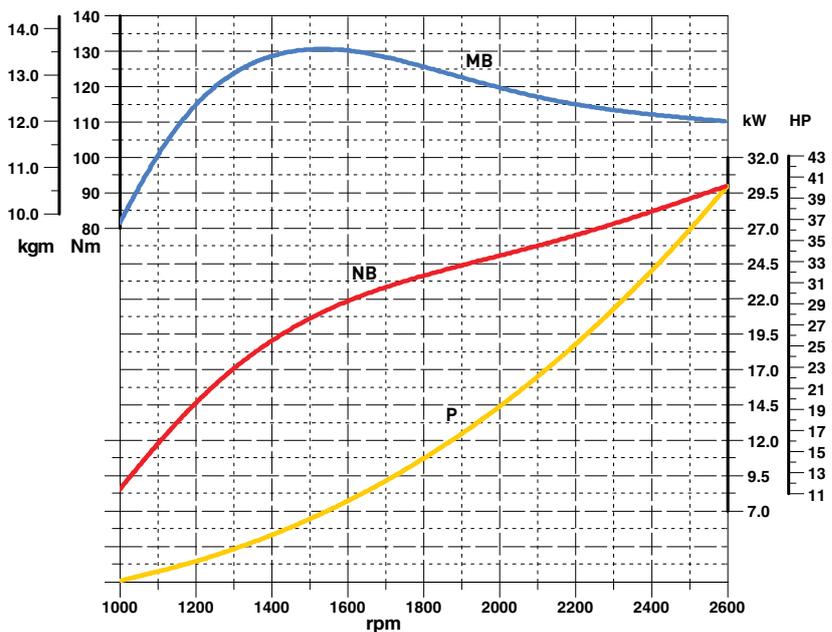
### STANDARD EQUIPMENT

- Digital De Luxe-panel
- Alternator 12V - 120A
- Electric starting
- Oil extraction pump
- 100Nm PTO facility
- V-belt safety cover
- Exhaust mixing elbow
- Fresh water expansion tank
- Sea water pump front mounted

### ACCESSORIES ON DEMAND

- Set of flexible engine mounts
- Hot water take-off kit
- Second station harness and panel
- Oil pressure sensor for Digital De Luxe-panel
- NMEA 2000 convertor for Engine monitoring system

### PERFORMANCE CURVES (ACCORDING TO ISO 14396)



— MB — Torque curve (NB curve) — P — Propeller demand curve  
— NB — Power curve - ISO 3046/1-IFN

Power ratings refer to engines equipped with air filter, standard muffler, after running-in period at ambient conditions of +25°C, relative humidity 30% and 1 bar. Power levels drop by 1% every 100 m altitude and by 2% every 5°C above +25°C.

# KDI 2504M-MP

## QUICK SPECIFICS

**4** Mechanical Engine  
CYLINDERS

**50.0** | **36.4** @ 2600 rpm  
HP kW STAGE III A

**170** @ 1500 rpm  
Nm



## STANDARD EQUIPMENT

- Digital De Luxe-panel
- Alternator 12V - 120A
- Electric starting
- Oil extraction pump
- 100Nm PTO facility
- V-belt safety cover
- Exhaust mixing elbow
- Fresh water expansion tank
- Sea water pump front mounted

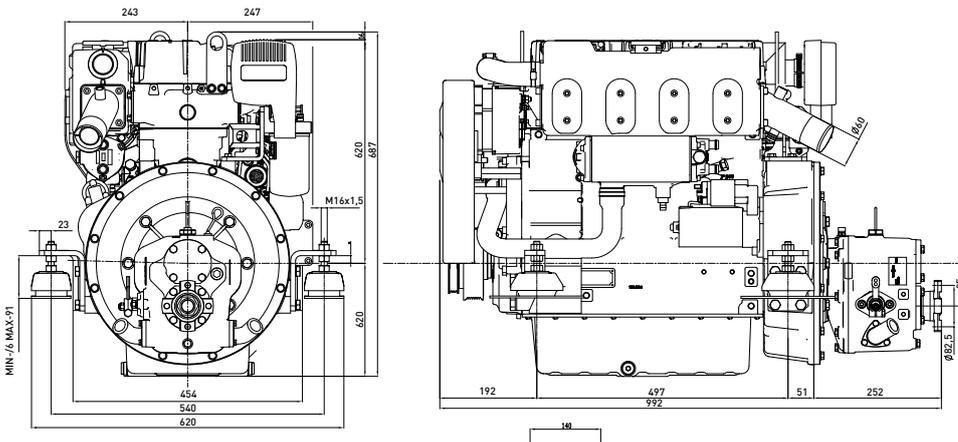
## ACCESSORIES ON DEMAND

- Set of flexible engine mounts
- Hot water take-off kit
- Second station harness and panel
- Oil pressure sensor for Digital De Luxe-panel
- NMEA 2000 convertor for Engine monitory system

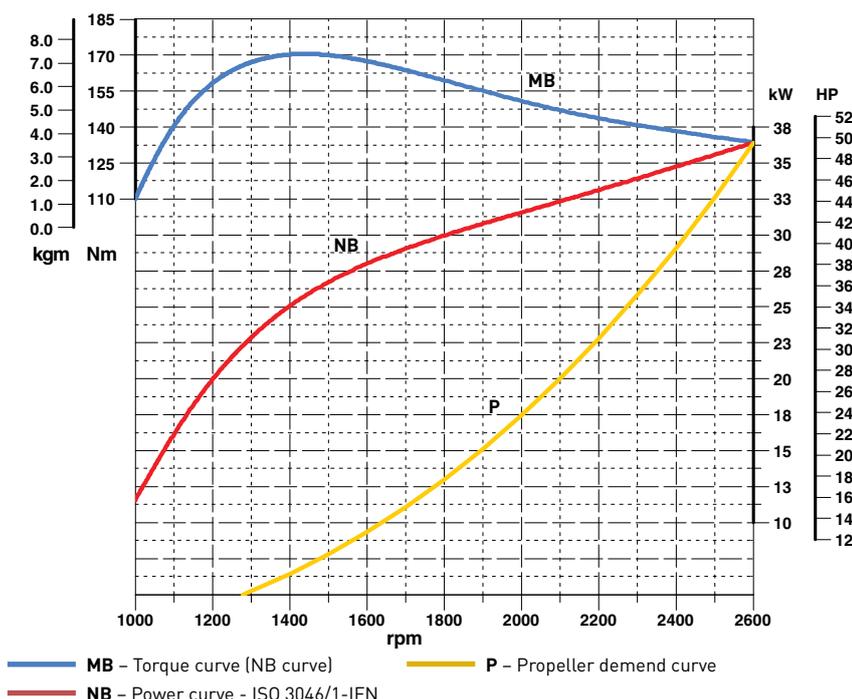
## DATA

### DIMENSIONS (mm)

KDI 2504M-MP with TMC260 marine gear



### PERFORMANCE CURVES (ACCORDING TO ISO 14396)



Power ratings refer to engines equipped with air filter, standard muffler, after running-in period at ambient conditions of +25°C, relative humidity 30% and 1 bar. Power levels drop by 1% every 100 m altitude and by 2% every 5°C above +25°C.

# MECHANICAL ENGINES



| Model                           |   | KDI 1903M-MP          | KDI 2504M-MP          |
|---------------------------------|---|-----------------------|-----------------------|
| <b>Engine specs</b>             | 4 stroke diesel with cylinder in line               | •                     | •                     |
|                                 | Liquid cooling                                      | •                     | •                     |
|                                 | 4 valves per cylinder                               | •                     | •                     |
|                                 | In crankcase camshaft, gear train driven            | •                     | •                     |
|                                 | Pushrod - rocker arms timing with hydraulic tappets | •                     | •                     |
|                                 | Cast iron crankcase with bed-plate                  | •                     | •                     |
|                                 | Cast iron cylinder head                             | •                     | •                     |
|                                 | Closed crankcase ventilation system                 | •                     | •                     |
| <b>Technical features</b>       | Cylinder  | 3                     | 4                     |
|                                 | Bore (mm)   | 88                    | 88                    |
|                                 | Stroke (mm)   | 102                   | 102                   |
|                                 | Engine displ (cm <sup>3</sup> )                     | 1861                  | 2482                  |
|                                 | Injection system                                    | DI                    | DI                    |
|                                 | Injection Equipment                                 | Mech-Rotary pump      | Mech-Rotary pump      |
|                                 | Starting system                                     | Electric starting 12V | Electric starting 12V |
|                                 | Alternator  | 12V-120A              | 12V-120A              |
| <b>Performance</b>              | Emission compliance                                 | STAGE III A           | STAGE III A           |
|                                 | Max power (IFN - ISO 3046 and ISO 14396) (HP@rpm)   | 40.8@2600             | 50@2600               |
|                                 | Max torque (IFN - ISO 3046 and ISO 14396) (Nm@rpm)  | 133@1500              | 170@1500              |
| <b>Physical characteristics</b> | Dry weight without gear (kg)                        | 259                   | 293                   |
|                                 | Daily service points - positions                    | 1 side service        | 1 side service        |
| <b>Auxiliary PTOs</b>           | Max torque (Nm)                                     | 100                   | 100                   |

## MARINE PROPULSION ENERGIE

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Lombardini Marine is a division of Lombardini s.r.l., part of Kohler Group.

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[www.lombardinimarine.com](http://www.lombardinimarine.com)

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