

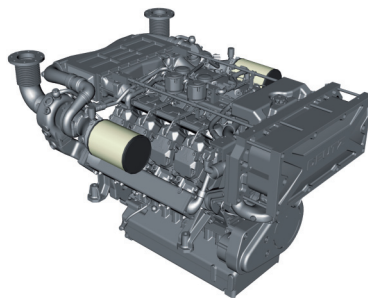
# TCD 2015M

for marine applications

210 - 500 kW | 282 - 671 hp at 1500 - 2100 min<sup>-1</sup> | rpm

emission certified & type approved

- Water-cooled 6 or 8-cylinder V engines (90°) with turbocharging and charge air cooling.
- The powerful and robust solenoid valve injection system (MVS) and the electronic engine control (EMR 3) with intelligent link to the drive management ensure optimum engine performance at low fuel consumption.
- 100% power take-off at flywheel and front end and additionally two PTO drives with a total torque of up to 400 Nm.



- The engine-driven cooling water pumps simplify the installation for keel and raw-water cooling.
- The extremely compact engine design and customer friendly accessories reduce the installation costs.
- DEUTZ marine engines are developed especially for the requirements of marine applications and meet the requirements of the classification societies. Type Approvals of the IACS classes<sup>1)</sup> and other classes are available on request.
- Low fuel consumption, low maintenance costs and long engine life reduce the operating costs.
- The engines fulfil the emission limit values in accordance with IMO, EU and ZKR (CCNR).

## Technical data

| Engine type                             |                         | TCD 2015 V6 M       | TCD 2015 V8 M       |
|-----------------------------------------|-------------------------|---------------------|---------------------|
| No. of cylinders                        |                         | 6                   | 8                   |
| Bore/stroke                             | mm   in                 | 132/145   5.20/5.71 | 132/145   5.20/5.71 |
| Displacement                            | l   cu in               | 11,9   727          | 15,9   969          |
| Compression ratio                       |                         | 17.5:1              | 17.5:1              |
| Nominal speeds propulsion engines       | min <sup>-1</sup>   rpm | 1800 / 1900 / 2100  | 1800 / 1900 / 2100  |
| Nominal speeds auxiliary engines        | min <sup>-1</sup>   rpm | 1500 / 1800         | 1500 / 1800         |
| Specific fuel consumption <sup>2)</sup> | g/kWh   lb/hp-hr        | 210   0.345         | 206   0.339         |

| Power output <sup>3)</sup> |                     | TCD 2015 V6 M           | TCD 2015 V8 M           |
|----------------------------|---------------------|-------------------------|-------------------------|
| Propulsion engines         | - PG A kW   hp      | 327   439               | 450   603               |
|                            | - PG B kW   hp      | 360   483               | 500   671               |
| Auxiliary engines          | - PG G 50Hz kW   hp | 264 (280)*   354 (375)* | 382 (382)*   512 (512)* |
|                            | 60Hz kW   hp        | 286 (300)*   384 (402)* | 409 (420)*   548 (563)* |
|                            | - PG N 50Hz kW   hp | 300   402               | 420   563               |
|                            | 60Hz kW   hp        | 330   443               | 450   603               |

**LG A:** Unlimited continuous operation with unlimited workload.

**LG B:** Limited continuous operation: max. 3000 oh p.a.<sup>4)</sup>  
Operating time with more than 90% of maximum power: max. 1500 oh p.a.  
Admissible workload: max. 70% of rated power.

**LG G:** Unlimited continuous operation with unlimited workload.

**LG N:** Unlimited continuous operation with limited workload.  
Operating time with more than 90% of maximum power: max. 6000 oh p.a.  
Admissible workload: max. 80% of rated power.

\* Diesel-electric drive

1) IACS – International Association of Classification Societies

2) Best full load consumption refers to diesel with a density of 0.835 kg/dm<sup>3</sup> at 15°C | 6.96 lb/US gallon at 60°F.

3) Power specifications in accordance with ISO 14396.

Further ratings on request.

4) oh p.a.: Operating hours per year

The data on this data sheet are for information purposes only and are not binding values. The data in the quotation is definitive.

The engine company.

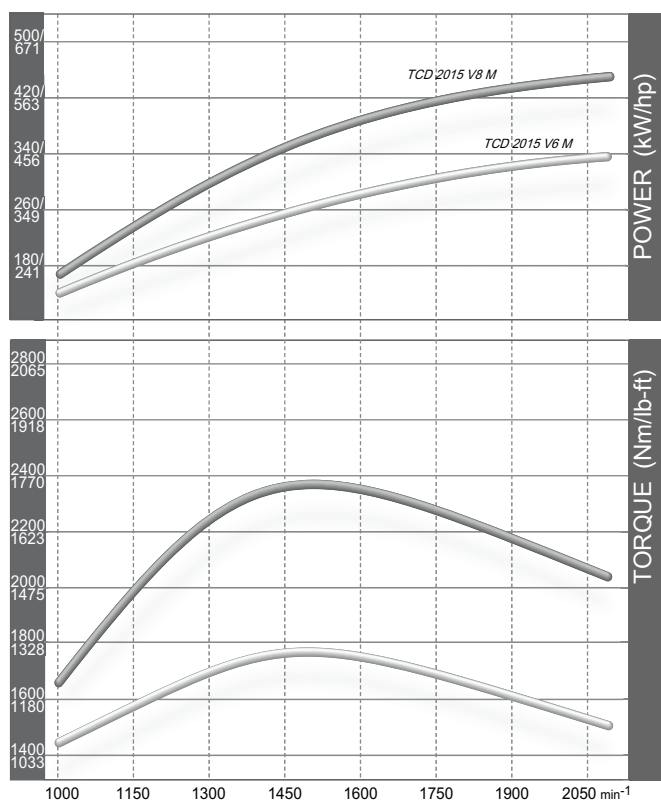


## Torque curve

### Power group A

2100 min<sup>-1</sup>/rpm

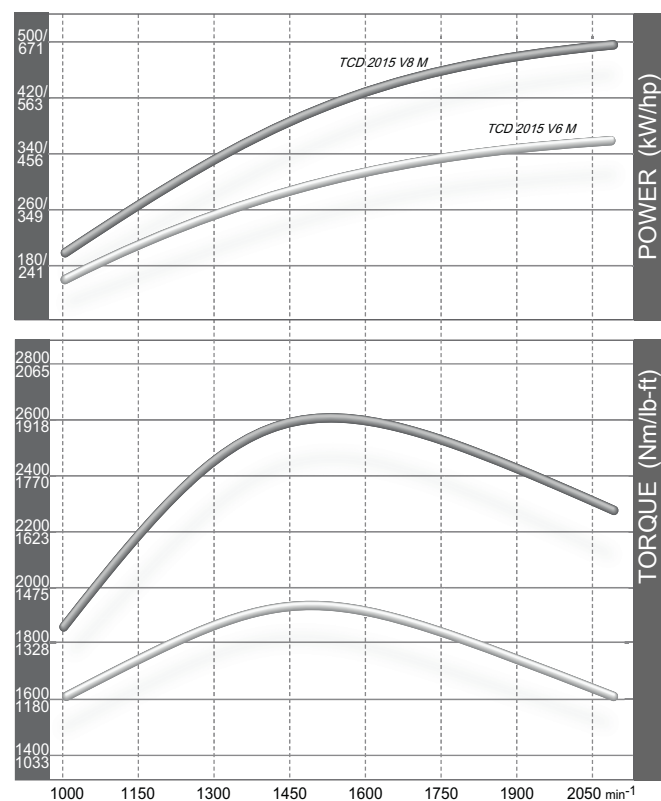
TCD 2015 V6 M | TCD 2015 V8 M



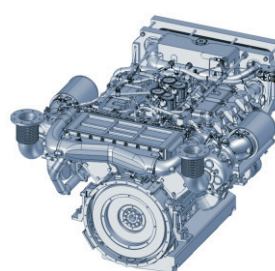
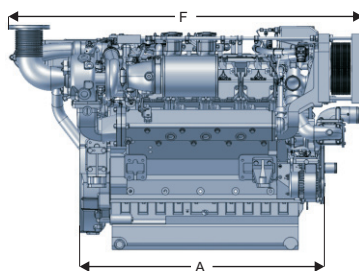
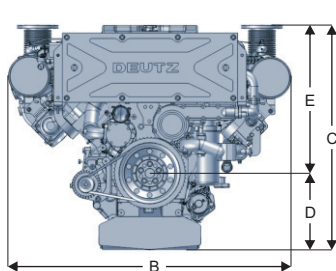
### Power group B

2100 min<sup>-1</sup>/rpm

TCD 2015 V6 M | TCD 2015 V8 M

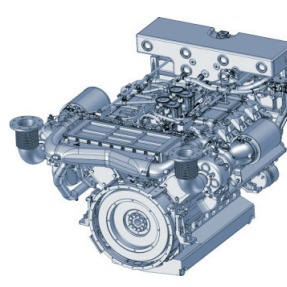
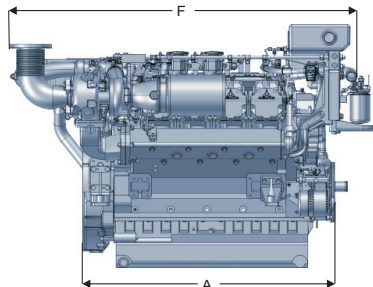
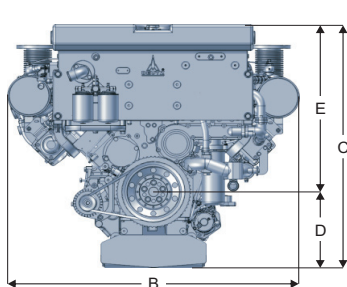


## Dimensions - raw water cooling



|               |         | A         | B         | C         | D        | E        | F         | Weight            |
|---------------|---------|-----------|-----------|-----------|----------|----------|-----------|-------------------|
| TCD 2015 V6 M | mm   in | 980   39  | 1316   52 | 1140   45 | 440   17 | 700   28 | 1495   59 | 1330 kg   2932 lb |
| TCD 2015 V8 M | mm   in | 1150   45 | 1334   53 | 1060   42 | 360   14 | 700   28 | 1670   66 | 1570 kg   3461 lb |

## Dimensions - keel cooling



|               |         | A         | B         | C         | D        | E        | F         | Weight            |
|---------------|---------|-----------|-----------|-----------|----------|----------|-----------|-------------------|
| TCD 2015 V6 M | mm   in | 980   39  | 1316   52 | 1230   48 | 440   17 | 790   31 | 1410   56 | 1290 kg   2844 lb |
| TCD 2015 V8 M | mm   in | 1150   45 | 1334   53 | 1150   45 | 360   14 | 790   31 | 1585   62 | 1550 kg   3417 lb |

Note: The engine dimensions and weights vary depending on the scope of delivery.  
For more information please contact the DEUTZ AG Köln or the responsible sales partner.

