

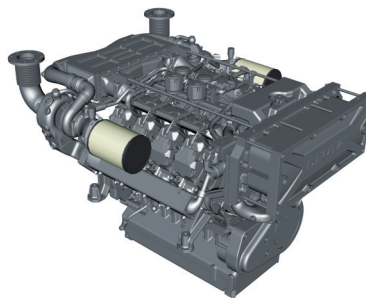
# TCD 2015M

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	360   483	500   671
Auxiliary engines - PG G	50Hz	264 (280)*   354 (375)*	382 (382)*   512 (512)*
	60Hz	286 (300)*   384 (402)*	409 (420)*   548 (563)*
	- PG N 50Hz	300   402	420   563
	60Hz	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.

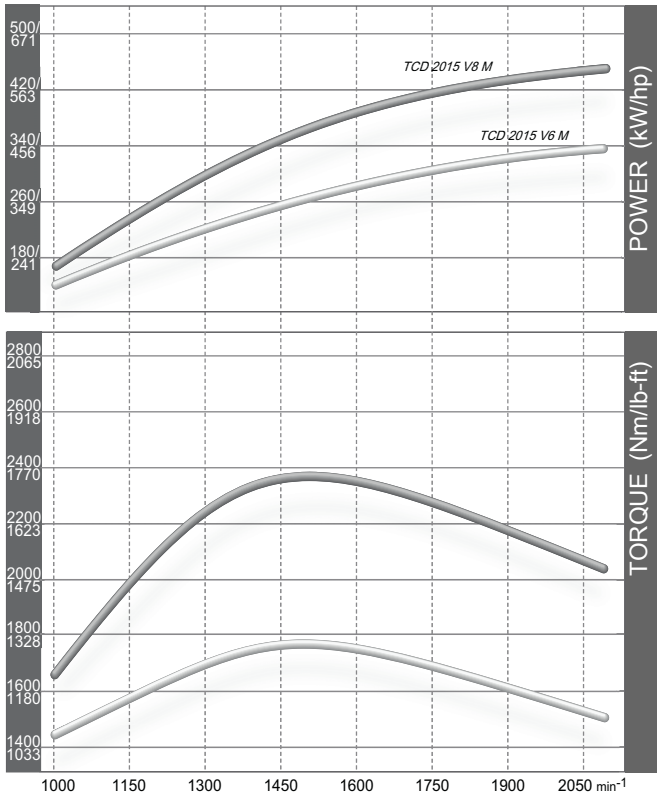
The engine company.



# Torque curve

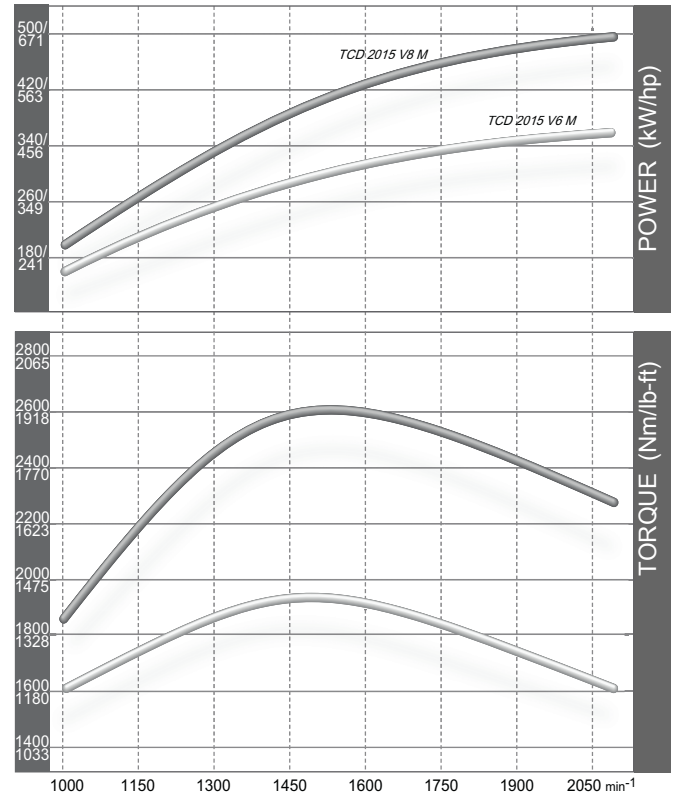
**Power group A** 2100 min<sup>-1</sup>/rpm

TCD 2015 V6 M | TCD 2015 V8 M

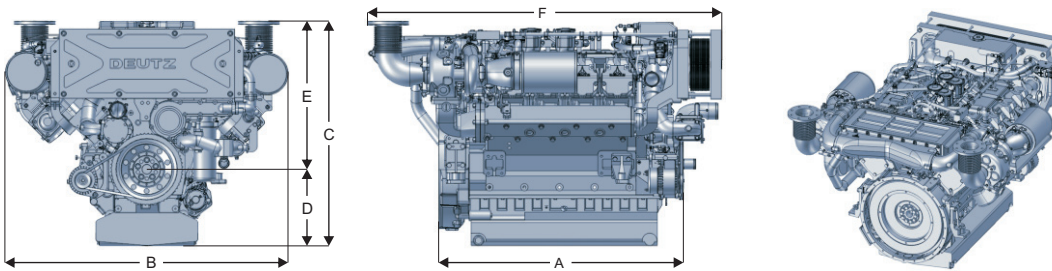


**Power group B** 2100 min<sup>-1</sup>/rpm

TCD 2015 V6 M | TCD 2015 V8 M

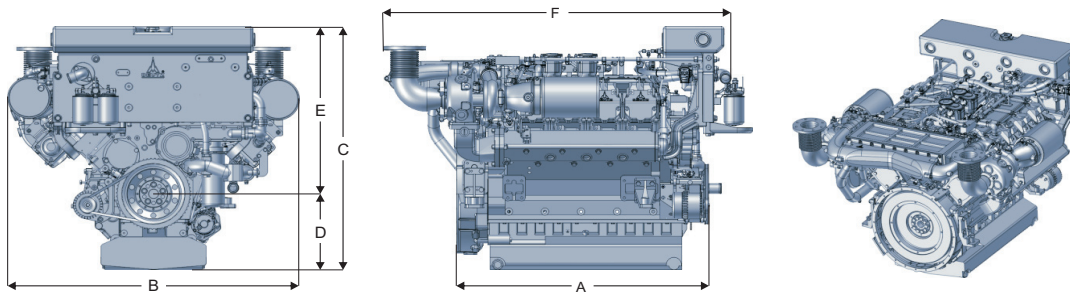


## Dimensions - raw water cooling



	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.

