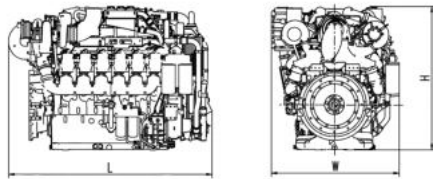


# Diesel Engine 12V 2000 Cx6

for C&I and Mining Applications



### Dimensions and Masses

Engine	Dimensions (LxWxH) mm (in)	Mass, dry kg (lbs)
12V	2028 x 1278 x 1461 (79.8 x 50.3 x 57.5)	2950 (6503)

All dimensions are approximate, for complete information refer to the installation drawing.

Engine Model		
Bore/stroke	mm (in)	135/156 (5.3/6.2)
Cylinder configuration		90° V
Displacement/cylinder	l (cu in)	2.23 (136)
Displacement, total	l (cu in)	26.8 (1633)
Fuel specification		Diesel fuel in accordance with DIN EN 590, ASTM D 975, BS 2869, US DF # 1-Off Highway and US DF # 2-Off Highway

Engine Type	Rated Power ICFN			Peak Torque			Optimization
	Model	kW	bhp	rpm	Nm	lb-ft	
<b>Application</b>	<b>Medium duty operation (5B)</b>						
12V 2000 C66	783	1050	2100	4636	3419	1100	Ⓔ
12V 2000 C66R*	783	1050	1800	4636	3419	1100	Ⓔ

Optimization: Ⓔ EPA Nonroad T4i Comp (40CFR1039)  
 \* also available for 2A application



## Application

## Power definition

5B      Continuous operation w/variable load      Load factor: &lt; 60 %, Operating hours: unrestricted, Overload: Fuel stop (ICFN)

Power output within 5% tolerance at standard conditions. Power definition according to ISO 3046 (ratings also correspond to SAE J 1995 and SAE J 1349 standard conditions). Consult your MTU distributor/dealer for the rating that will apply to your specific application.

## Standard Equipment

Starting System	Electrical starter 24 VDC
Fuel System	Electronically controlled common-rail injection system, dual engine mounted fuel filters
Lube Oil System	Forced feed lubricating system with piston cooling, lube oil circulating pump, multi stage oil filter, lube oil heat exchanger, 15° oil pan
Combustion Air System	Two-stage turbocharging, intercooling and charge air cooling, cooled exhaust gas recirculation, turbocharger air intake from free end
Coolant System SCCC	HT (JW) and LT (CAC) separate coolant circuits with coolant pumps and thermostats
Flywheel/Housing	SAE 0 flywheel housing, suitable for wet and dry drive solutions
Engine Mounting	3-point or 4-point mounting
Electronics and Instrumentation	Latest ADEC engine control and management system

## Optional Equipment

Starting System	Redundant starting systems electric (dual); air
Fuel system	Doublewalled high pressure piping
Oil System	Remote mounted oil filters 22° /30° oilpans
Combustion Air System	Air shut-off Flaps, turbocharger air intake from driving end
Coolant System	Coolant heater, front crank PTO for fan drive (various ratios), connections for accessory heat exchanger (part flow/full flow)
Flywheel/Housing	Flexplate, flywheel housing with aux. PTO`s
Accessory Drives	Battery charging alternator, 28VDC, aux. PTO`s for hydr. pump drives and compressors

## Reference conditions:

> Intake-air temperature: 25°C (77°F)      > Ambient air pressure: 1000 mbar      > Altitude above sea level: 100 m (328 ft)

Subject to change without notice. Customization possible. Engines illustrated in this document may feature options not fitted as standard to standard engine.