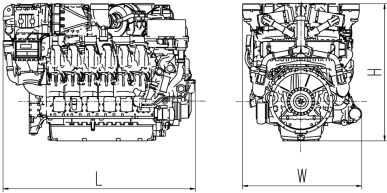


# Series 4000 Cx1

for C&I and Mining Applications



### Dimensions and Masses

Engine	Dimensions (LxWxH) mm (in)	Mass, dry kg (lbs)
12V	2409 x 1588 x 1736 (94.8 x 62.5 x 68.3)	6045 (13325)
16V	2879 x 1588 x 1736 (113.4 x 62.5 x 68.3)	7030 (15615)

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

Engine Model		
Bore/stroke	mm (in)	165/190 (6.5/7.5)
Cylinder configuration		90° V
Displacement/cylinder	l (cu in)	4.06 (248)
Displacement, total	l (cu in)	12V: 48.7 (2972), 16V: 65.0 (3967)
Fuel specification		EN 590, Grade No.1-D/2-D

Engine Type	Rated Power ICFN			Peak Torque			Optimization
	Model	kW	bhp	rpm	Nm	lb-ft	
<b>Application</b>	<b>Heavy duty operation (5A)</b>						
12V 4000 C11R	1193	1600	1900	7612	5615	1500	②☒
12V 4000 C11	1286	1725	1900	6985	5151	1500	②☒
16V 4000 C11	1715	2300	1900	9313	6870	1500	②☒
<b>Application</b>	<b>Medium duty operation (5B)</b>						
12V 4000 C21R	1398	1875	1900	7612	5615	1500	②☒
16V 4000 C21R	1492	2000	1900	9494	7003	1500	②
12V 4000 C21	1510	2025	1900	8199	6047	1500	②☒
16V 4000 C21	1864	2500	1900	10146	7483	1500	②☒
16V 4000 C21L	2013	2699	1900	10933	8064	1500	②☒
16V 4000 C31	2125	2850	1900	11142	8228	1800	☒

Optimization

② Exhaust emission EPA Nonroad T1 Comp (40CFR89) ☒ Fuel consumption optimized



Power. Passion. Partnership.

Application	Power definition	
5A	Continuous operation w/100% load	Load factor: ≥ 60 %, Operating hours: unrestricted, Overload: Fuel stop (ICFN)
5B	Continuous operation w/variable load	Load factor: < 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
DDEC
Common rail fuel system
Exhaust turbocharging
Starter 24 V/18 kW
Seperate circuit charge air cooling (SCCC)
Flywheel housing SAE #00
Engine mounted fuel filters
3-point mount (Trunnion)
Oil centrifugal filters

Optional Equipment
Air compressor 13 CFM
Hydraulic pump drives
Starter 24 V/30 kW
Air starter
Alternator 24 V/100/260 A
Fan clutch with various drive ratio
Fuel prefilter kit
Prelube pump
Belt drive PTO ´s
High altitude kit for fuel consumption optimized ratings

Reference conditions:  
 > Intake-air temperature: 25°C (77°F)  
 > Altitude above sea level: 100 m (328 ft)  
 > Ambient air pressure: 1000 mbar  
 > Charge air coolant temperature: (dependent on Ratings and emissions)  
 Subject to change without notice. Customization possible. Engines illustrated in this document may feature options not fitted as standard to standard engine.