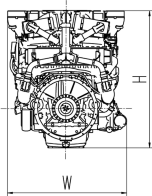
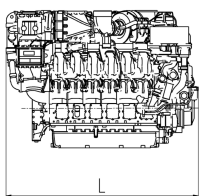


Series 4000 Cx1

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	rpm	
Application	Heavy duty operation (5A)						
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 ☒
Application	Medium duty operation (5B)						
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: $\geq 60\%$, 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

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.

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