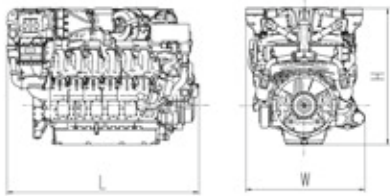




## Industrial

# SERIES 4000 CX1

for C&I and Mining applications



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		
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

Optional equipment and finishing shown. Standard may vary.

Application	Rated Power ICFN			Peak Torque			Optimization
	kW	bhp	rpm	Nm	lb-ft	rpm	
	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, ☐

Optimization: 2 ☐ Exhaust emission EPA Nonroad T1 Comp (40CFR89)  
 ☐ Fuel consumption optimized

	Rated power ICFN			Peak torque			Optimization
	kW	bhp	rpm	Nm	lb-ft	rpm	
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

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 distributor/dealer for the rating that will apply to your specific application.

Standard equipment	Optional equipment
DDEC	Air compressor 13 CFM
Common rail fuel system	Hydraulic pump drives
Exhaust turbocharging	Starter 24 V/30 kW
Starter 24 V/18 kW	Air starter
Separate circuit charge air cooling (SCCC)	Alternator 24 V/100/260 A
Flywheel housing SAE #00	Fan clutch with various drive ratio
Engine mounted fuel filters	Fuel prefilter kit
3-point mount (Trunnion)	Prelube pump
Oil centrifugal filters	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.