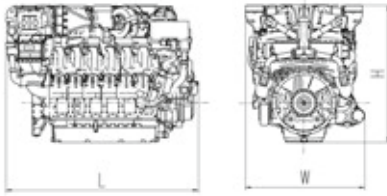




Industrial

SERIES 4000 CX3

for C&I and Mining applications



Engine	Dimensions (LxWxH) mm (in)	Mass, dry kg (lbs)
12V	2497 x 1629 x 2065 (98.3 x 64.1 x 81.3)	7000 (15430)
16V	3020 x 1629 x 2065 (118.9 x 64.1 x 81.3)	8100 (17860)
20V	3647 x 1609 x 2065 (143.6 x 63.3 x 81.3)	10700 (23590)

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

Engine		
Bore/stroke	mm (in)	170/210 (6.7/8.3)
Cylinder configuration		90° V
Displacement/cylinder	l (cu in)	4.77 (291)
Displacement, total	l (cu in)	12V: 57.3 (3493), 16V: 76.3 (4656), 20V: 95.4 (5822)
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 C33R	1150	1542	1800	on request			☐
12V 4000 C13R	1193	1600	1800	7595	5600	1500	☐, 19, 31
12V 4000 C13L	1425	1910	1800	9070	6690	1500	☐, 19, 31
12V 4000 C33	1450	1945	1800	on request			☐
16V 4000 C13R	1492	2000	1800	9520	7022	1350	☐, 19, 31
16V 4000 C13	1750	2345	1800/1900	11141	8216	1500	☐, 19, 31
16V 4000 C13L	1865	2500	1800/1900	11870	8754	1500	☐, 19, 31

Optimization: ☐ Fuel consumption optimized
19 EPA Nonroad T2 Comp (40CFR89)

31 China NRMM Stage III (GB20981-2014)

	Rated power ICFN			Peak torque			Optimization
	kW	bhp	rpm	Nm	lb-ft	rpm	
Application	Medium duty operation (5B)						
12V 4000 C23R	1510	2025	1800/1900	8482	6255	1700	☑, 19, 31
12V 4000 C23	1680	2253	1800/1900	9435	6959	1700	☑, 19, 31
16V 4000 C23R	2013	2699	1800/1900	11310	8342	1700	☑, 19, 31
16V 4000 C23	2240	3000	1800	12566	9268	1700	☑, 19, 31
20V 4000 C23	2800	3755	1800	15728	11600	1700	☑, 19, 31
20V 4000 C23L	3000	4023	1800	16852	12429	1700	☑, 19, 31

Optimization: ☑ Fuel consumption optimized
19 EPA Nonroad T2 Comp (40CFR89)
31 China NRMM Stage III (GB20981-2014)

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
ADEC	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
Seperate circuit charge air cooling (SCCC)	Alternator 24 V/100/260 A
Flywheel housing SAE #00	Fan clutch with various drive ratio
Automatic lube oil filter (maintenance free)	Coolant level sensor kit
Engine mounted fuel filters	Fuel prefilter kit
3-point mount (Trunnion)	Prelube pump
Oil centrifugal filters	Belt drive PTO's

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.