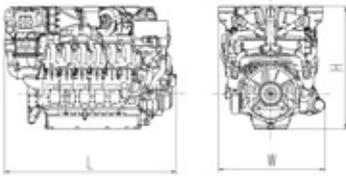




Industrial

DIESEL ENGINE 16V 4000 CX5

for C&I and Mining applications, Tier 4 certified, without exhaust aftertreatment



Engine	Dimensions (LxWxH) mm (in)	Mass, dry kg (lbs)
16V	3201 x 1631 x 1997 (126.0 x 64.2 x 78.6)	9350 (20613)

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)	76.3 (4656)
Fuel specification*		EN 590, Grade No.1-D/2-D

*Ultra low sulfur diesel (<15ppm) required

Optional equipment and finishing shown. Standard may vary.

Application	Rated power ICFN			Peak torque			Optimization
	kW	bhp	rpm	Nm	lb-ft	rpm	
	Medium duty operation (5B)						
16V 4000 C45	2000	2682	1900	10581	7804	1805	21
16V 4000 C45	2000	2682	1800	11169	8238	1710	21
16V 4000 C55	2240	3004	1900	11851	8741	1805	21
16V 4000 C55	2240	3004	1800	12509	9226	1710	21
16V 4000 C65	2400	3218	1800	13403	9886	1710	21

Optimization: 21 Exhaust emission EPA Nonroad T4 (40CFR89)

Application	Power definition	
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	
Starting system	Electric starter (24 V/24 kW)
Fuel system	Common rail injection system, double-walled high pressure fuel lines with fuel leakage monitoring, 2 stage filters, fuel pre-filter with water separator
Lube oil system	Multi-stage lube oil filters with oil centrifugal filter
Combustion air system	Two-stage turbocharging with exhaust gas recirculation (EGR)
Coolant system	Separate HT (JW) and LT (CAC) coolant circuits with separate pumps
Flywheel/housing	SAE 00 flywheel housing with SAE 21 isolated flywheel
Accessory drives	Engine mounted fan clutch
Engine mounting	Front trunnion mount (three point)
Electronics and instrumentation	ADEC engine control and management systems
Diagnosis system	Single exhaust temperature measurement, individual cylinder monitoring

Optional equipment	
Lube oil system	Oil sightglass, prelube, automatic oil filter (maintenance free), oil pan options
Coolant system	Coolant connecting parts (flange, fittings)
Accessory drives	Different battery charging alternators, air conditioning compressor drives
Electronics and instrumentation	Customer interface cable (10 m/15 m), coolant level sensor, display, diagnostic interface connector
Air intake system	Air intake elbow options

Reference conditions:

- > Intake-air temperature: 25°C (77°F)
- > Altitude above sea level: 100 m (328 ft)
- > Ambient air pressure: 1000 mbar (14.5 psi)
- > Charge air coolant temperature: 45°C (113°F)

Subject to change without notice. Customization possible.

Engines illustrated in this document may feature options not fitted as standard.