Industrial Diesel Engine 12V 4000 Cx5 for C&I and Mining Applications Industrial Industrial Tier 4 certified, without exhaust aftertreatment









Dimensions and Masses

Engine [Dimensions (LxWx	Mass, dry kg (lbs)	
12V 2	2633 x 1631 x 199	7960 (17549)	
All dimensions are approx	imate, for complete in	formation refer to the installation drawin	g.
Engine Model			
Bore/Stroke	mm (in)	170/210 (6.7/8.3)	
Cylinder configuratio	n	90° V	
Displacement/cylind	ler I (cu in)	4.77 (291)	
Displacement, total	l (cu in)	57.2 (3491)	
Fuel specification*		EN 590, Grade No.1-D/2-D	
* Illtro low oulfur diopol (<	1Eppm) required		

Ultra low sulfur diesel (<15ppm) required

Engine Type	Rated Pow	ver ICFN		Peak Torqu	e		Optimization
Model	kW	bhp	rpm	Nm	lb-ft	rpm	
Application	Heavy dut	y operation (5A)				
12V 4000 C15	1150	1542	1800	7351	5422	1494	Ø
12V 4000 C25	1250	1676	1800	7990	5893	1494	Ø
12V 4000 C35	1500	2012	1800	9588	7072	1494	0
Application	Medium d	uty operation (5	iB)				
12V 4000 C55	1750	2347	1900	9258	6828	1805	Ø
12V 4000 C65	1864	2500	1800	10409	7677	1710	Ø
12V 4000 C65	1864	2500	1900	9861	7273	1805	2)

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



Power. Passion. Partnership.

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Power definitio

5AContinuous operation w/100% load5BContinuous operation w/variable load

Load factor: ≥ 60 %, Operating hours: unrestricted, Overload: Fuel stop (ICFN)

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	
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 and prelube (prelube for Application 5A standard)
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 (for Application 5B standard)
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 for 5B application, 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, engine mounted fan clutch for
	5A application
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 to standard engine.