

Industrial

Diesel Engines 4R 904 C

for C & I, Mining, Agriculture and Forestry Application

EPA Tier 3 compliant / EU Stage IIIA compliant



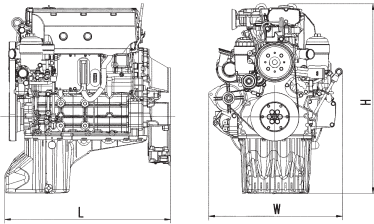
Dimensions and Masses

Engine	Dimensions (LxWxH) mm (in)	Mass, dry kg (lbs)
4R 904 C01	830x672x945 (33x26x37)	395 (870)

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

Engine Model

Bore/stroke	mm (in)	102/130 (4.0/5.1)
Cylinder configuration		4 Cyl./In-line
Displacement/cylinder	l (cu in)	1.06 (65)
Displacement, total	l (cu in)	4.2 (256)
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	
Application	Heavy duty operation (5A)						
4R 904 C21	75	101	2200	400	295	1200-1600	⑦ ⑧
4R 904 C31	90	121	2200	470	345	1200-1600	⑦ ⑧
Application	Medium duty operation (5B)						
4R 904 C61	110	147	2200	580	430	1200-1600	⑦ ⑧
4R 904 C71	129	173	2200	675	500	1200-1600	⑦ ⑧

Optimization

⑦ Exhaust emission EPA 40 CFR 89/Tier 3 compliant

⑧ Exhaust emission EU 97/68 EC/Stage IIIA compliant



Engineering
Excellence



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	
Starting System	Electrical starter 24 V, Alternator 28 V/80 A
Fuel System	High pressure fuel injection with solenoid-valve controlled unit injection pumps and multijet fuel injectors, Fuel filter
Lube Oil System	Oil filter
Air System	Turbo charging with charge-air cooling
Exhaust Gas System	Tree valves per cylinder
Coolant System	Water-charge-air cooling
Flywheel/Housing	SAE 2
Engine Mounting	Resilient
Electronics and Instrumentation	Electronic engine management
Optional Equipment	
on request	

Reference conditions:

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

Subject to change without notice. Customization possible. Engines illustrated in this document may feature options not fitted as standard to standard engine.