

Industrial

Diesel Engines 6R 906 C

for C & I, Agriculture, Mining and Forestry Application
with EPA Tier 3 / EU Stage III A Certification



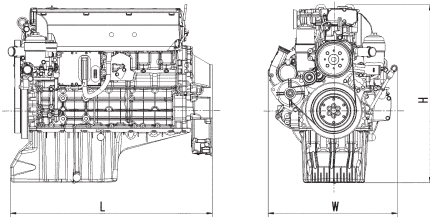
Dimensions and Masses

Engine	Dimensions (LxWxH) mm (in)	Mass, dry kg (lbs)
6R 906 C01	1087x688x956 (43x27x38)	530 (1168)

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

Engine Model

Bore/stroke	mm (in)	102/130 (4.05/5.1)
Cylinder configuration		6 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)						
6R 906 C21	130	174	2200	675	500	1200-1600	⑦ ⑧
6R 906 C31	150	201	2200	750	555	1200-1600	⑦ ⑧
Application	Medium duty operation (5B)						
6R 906 C51	170	228	2200	810	595	1200-1600	⑦ ⑧
6R 906 C61	190	255	2200	1000	735	1200-1600	⑦ ⑧
6R 906 C71	205	275	2200	1100	810	1200-1600	⑦ ⑧

Optimization

⑦ Exhaust emission EPA 40 CFR 89/Tier 3

⑧ Exhaust emission EU 97/68 EC/Stage III A



Power. Passion. Partnership.

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 MTU Detroit Diesel or 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 1/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.