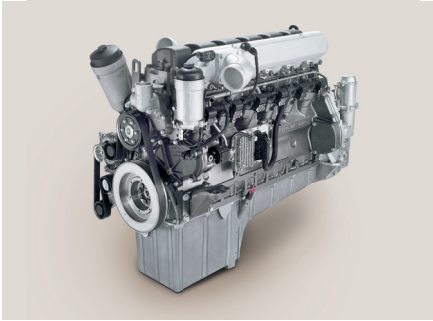


Industrial

Diesel Engines 6R 460 C

for C & I, Agriculture, Mining and Forestry Application

with EPA Tier 3 / EU Stage III A / EPA Tier 4i / EU Stage III B Certification



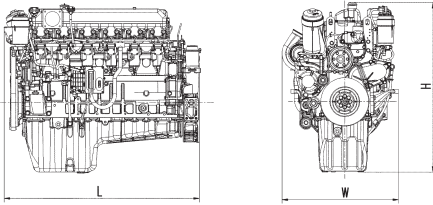
Dimensions and Masses

Engine	Dimensions (LxWxH)	Mass, dry
6R 460 C11R-C21	1315x785x1142 (52x31x45)	920 kg (2028 lbs)
6R 460 C31-C71	1320x750x1115 (52x30x44)	920 kg (2028 lbs)
6R 460 C02	1320x750x1115 (52x30x44)	930 kg (2072 lbs)

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

Engine Model

Bore/stroke	mm (in)	128/166 (5.0/6.5)
Cylinder configuration		6 Cyl./In-line
Displacement/cylinder	l (cu in)	2.13 (129)
Displacement, total	l (cu in)	12.8 (781)
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 460 C11R	220	295	1800	1300	960	1300	⑦ ⑧
6R 460 C11	242	324	1800	1600	1180	1300	⑦ ⑧
6R 460 C21	260	349	1800	1750	1290	1300	⑦ ⑧
6R 460 C31	295	396	1800	1900	1400	1300	⑦ ⑧
6R 460 C22	265	355	1800	1750	1290	1300	16 17
6R 460 C32	295	396	1800	1900	1400	1300	16 17

Optimization

⑦ Exhaust emission EPA 40 CFR 89/Tier 3
16 Exhaust emission EPA 40 CFR 89/Tier 4i

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



Power. Passion. Partnership.

Engine Type	Rated Power ICFN			Peak Torque			Optimization
Model	kW	bhp	rpm	Nm	lb-ft	rpm	
Application	Medium duty operation (5B)						
6R 460 C41	315	422	1800	2000	1475	1300	⑦ ⑧
6R 460 C51	335	449	1800	2000	1475	1300	⑦ ⑧
6R 460 C61	360	483	1800	2200	1620	1300	⑦ ⑧
6R 460 C71	375	503	1800	2200	1620	1300	⑦ ⑧
6R 460 C42	315	422	1800	2000	1475	1300	16 17
6R 460 C52	335	449	1800	2000	1475	1300	16 17
6R 460 C62	360	483	1800	2200	1620	1300	16 17
6R 460 C72	375	503	1800	2200	1620	1300	16 17
Optimization	⑦ Exhaust emission EPA 40 CFR 89/Tier 3 16 Exhaust emission EPA 40 CFR 89/Tier 4i			⑧ Exhaust emission EU 97/68 EC/Stage III A 17 Exhaust emission EU 97/68 EC/Stage III B			

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	Four valves per cylinder
Coolant System	Water-charge-air cooling
Flywheel/Housing	SAE 1
Engine Mounting	Resilient
Electronics and Instrumentation	Electronic engine management
SCR Aftertreatment System (engines with EPA Tier 4i/ EU Stage 3B certification only)	Engine mounted SCR components with urea dosing unit, urea injection nozzle and heating valve, vehicle mounted SCR components with SCR catalyst including muffler, urea supply unit and SCR control unit

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.