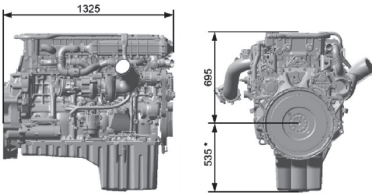
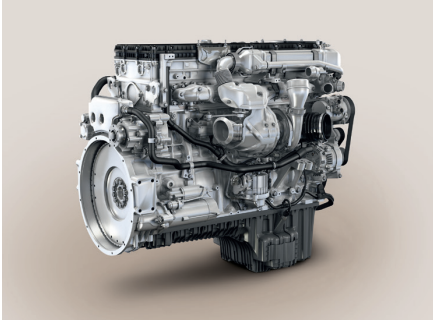


Industrial

Diesel Engine 6R 1100/OM 470

for C&I, Mining, Agriculture and Forestry Applications
with EPA Tier 4 and EU Stage IV Certification



Dimensions and Masses

Engine	Dimensions (LxWxH) mm (in)	Mass, dry kg (lbs)
6R 1100 C	1325 x 955 x 1230 (52.7 x 37.6 x 48.4)	950 (2094) ¹⁾

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

¹⁾ DIN 70020

Engine Model		
Bore/stroke	mm (in)	125/145 (4.9/5.7)
Cylinder configuration		6 inline
Displacement, total	l (cu in)	10.7 (652)
Fuel specification		DIN EN 590, ASTM D975 (DF1, DF2)

Engine Type	Rated Power			Peak Torque			Fuel Consumption at rated power	Fuel Consumption at peak torque
	Model	kW	bhp	rpm	Nm	lb-ft	rpm	g/kWh
6R 1100 C30	280	375	1700	1900	1401	1300	195	187
6R 1100 C40	300	402	1700	2000	1475	1300	196	188
6R 1100 C50	320	429	1700	2100	1549	1300	197	190

Ratings acc. to ECE R 120

Emissions: EPA Nonroad T4 Comp (40CFR1039)
EU Nonroad St IV (97/68/EC)
UN ECE R96 Emission Flex Package (EFP)

manufactured by



optimized by



Standard Equipment

24 Volt starter

28 Volt alternator, 100 A

Common rail injection system

Electronic engine management

Electronic interface module

Turbo charging air to air cooling

High pressure EGR system

One-box aftertreatment system with SCR incl. muffler

Closed crankcase ventilation

SAE 1 flywheel housing

Reference conditions:

> Intake temperature: 25°C (77°F)

> Charge air temperature: 40°C

> Altitude: 200 m (656 ft)

> Air intake restriction: 25 mbar

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

Optional Equipment

Exhaust brake system

Aux REPTO

Air compressor

AC compressor

Flex engine mounts

Elevated fan drive

Cooling fan