

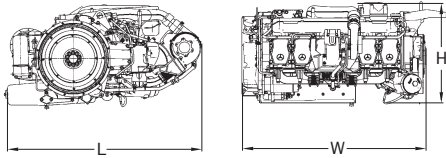


Rail

DIESEL ENGINE 6H 1800

for railcar applications

EU Stage IIIA compliant, EPA Tier 3 compliant



Optional equipment and finishing shown. Standard may vary.

Engine	Dimensions (LxWxH) mm (in)	Mass, dry kg (lbs)
6H 1800 R	1465 x 1331 x 715 (57.7 x 52.4 x 28.1)	990 (2183)

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

Engine		
Bore/stroke	mm (in)	128/166 (5.0/6.5)
Cylinder configuration		6/in Line
Displacement	l (cu in)	2.14 (130)
Displacement, total	l (cu in)	12.8 (782)
Fuel specification		DIN EN 590; Grade Nr. 1-D/2-D

Engine type	Rated power			Peak torque			Fuel consumpt. at		Optim. *
	kW	bhp	rpm	Nm	lb-ft	rpm	g/kWh	g/kWh	
6H 1800 R81	315	422	1800	1700	1254	1300	214	198	EU IIIA compl. ⁹⁾ / EPA 3 compl.
6H 1800 R82	335	449	1800	2000	1475	1300	212	198	EU IIIA compl. ⁹⁾ / EPA 3 compl.
6H 1800 R83	360	483	1800	2200	1622	1300	212	198	EU IIIA compl. ⁹⁾ / EPA 3 compl.
6H 1800 R84	390	523	1800	2150	1586	1300	216	198	EU IIIA compl. ⁹⁾ / EPA 3 compl.

* Emissions: EU: Nonroad Directive 97/68/EC (as amended by 2004/26/EC)
EPA: US Nonroad Regulation 40 CFR 89

Standard Equipment	Optional Equipment
6 cylinder horizontal in-line diesel engine	28V DC battery-charging generator
Four stroke diesel direct injection	Air compressor
Electronic engine management	Resilient engine mountings
Single injection system - pump-line-nozzle	
Turbocharging with charge air cooling (air/air)	
24V Starter	

Reference conditions:

- > Intake temperature: 25°C (77°F)
- > Ambient air pressure: 1000 mbar
- > Charge air coolant temp.: 45°C (113°F)
- > 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.