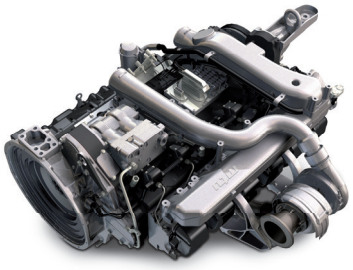
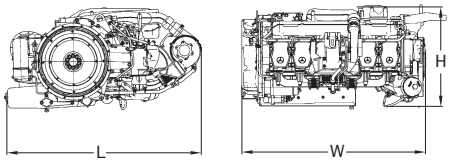
Rail

DIESEL ENGINE 6H 1800

for railcar applications
EU Stage IIIB





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

	Rated power			Peak torque			Fuel consumpt. at rated power	best point	Optim. *
Engine type	kW	bhp	rpm	Nm	lb-ft	rpm	g/kWh	g/kWh	g/kWh
6H 1800 R75	315	422	1800	1700	1254	1300	198	184	EU IIIB
6H 1800 R75L	335	449	1800	2000	1475	1300	199	183	EU IIIB
6H 1800 R85	360	483	1800	2200	1622	1300	201	183	EU IIIB
6H 1800 R85L	390	523	1800	2200	1622	1300	207	183	EU IIIB

* Emissions: EU: Nonroad Directive 97/68/EC (as amended by 2004/26/EC)

A Rolls-Royce solution

Standard Equipment
6 cylinder horizontal in-line diesel engine
Four stroke Diesel direct injection
Electronic engine management
Single injection system - pump-line-nozzle
Turbocharging with charge air cooling (air/air)
SCR system, catalyst with silencer function, urea injection with supplying and metering unit*
24V Starter

Optional Equipment
28V DC battery-charging generator
Air compressor
Resilient engine mountings

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.
* Dimensions and weight on request

Subject to change. | 3234381 | Edition 01/19 | ESM 2019-08.