

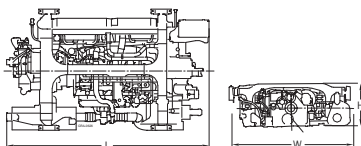
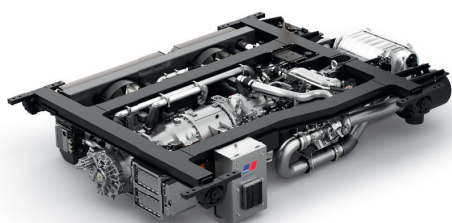


Rail

mtu POWERPACK SERIES 1800

for railcar application

EU Stage IIIA / EU Stage IIIB / EU Stage V



Optional equipment and finishing shown. Standard may vary.

PowerPack	Dimensions (LxWxH) mm (in) *	Mass, wet kg (lbs)
mtu PowerPack Series 1800	3200 - 4600 x 2180 - 2800 x 820 - 900 (126 - 181 x 85.8 - 110.2 x 32.3 - 35.4)	3800 - 5100 (8378 - 11244)

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

Combustion engine types		Rated power			Emissions
		kW	(bhp)	rpm	EU Stage
6H 1800 R81 / R75 / R76		315	(422)	1800	IIIA / IIIB / V
6H 1800 R82 / R75L		335	(449)	1800	IIIA / IIIB
6H 1800 R83 / R85		360	(483)	1800	IIIA / IIIB
6H 1800 R86		375	(503)	1800	V
6H 1800 R84 / R85L		390	(523)	1800	IIIA / IIIB
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			
Emission qualification		EU Stage IIIA / IIIB / V*			

* Emission regulation (EU) 2016/1628

Ambient conditions for railcar: -25°C to 40°C

In case of deviations please consult your **mtu** distributor/dealer.



A Rolls-Royce solution

Standard equipment			
	Diesel-electric	Diesel-mechanic	Diesel-hydraulic
Power transmission	Permanent magnet synchronous generator / asynchronous generator	Six-step power shift gearbox <ul style="list-style-type: none">· included retarder· with / without reverse gear	Two-step transmission converter / coupling <ul style="list-style-type: none">· with / without retarder· included reverse gear
Cooling system	Underfloor cooling unit with electric or hydraulic fan drives		Roof cooling unit with electric or hydraulic fan drives
Exhaust aftertreatment system	EU Stage IIIA: No exhaust aftertreatment system EU Stage IIIB: SCR system EU Stage V: DOC / DPF / SCR system		
Combustion air filter system			
Fuel filter system			
PowerPack automation system			
Optional equipment integrated in PowerPack			
Kit for cold ambient conditions (<-25°C)			
Coolant preheating system	Fuel burner	Electric heater	
On-board power supply	3-400VAC / 50Hz, up to 70 kVA		
Automatic engine oil replenishment system			
Hybridization			
Optional equipment for separate installation			
CaPoS smart edition (Capacitor-based power supply system for starter)			
DC/DC-converter (110 VDC/24VDC)			
Fluid level display			

Further variations on demand. Subject to change without notice. Customization possible. Engines illustrated in this document may feature options not fitted as standard. For further information consult your **mtu** distributor/dealer.