

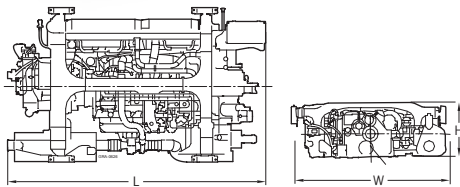
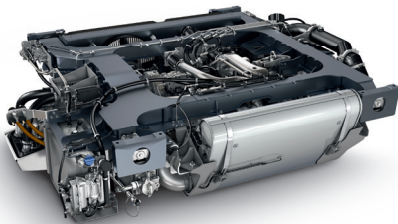


Rail

POWERPACKS WITH 6H 1800

for railcar applications

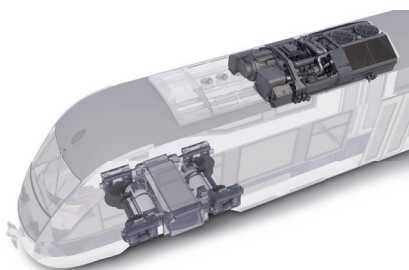
EU Stage IIIB, EU Stage IIIA compliant, EPA Tier 3 compliant



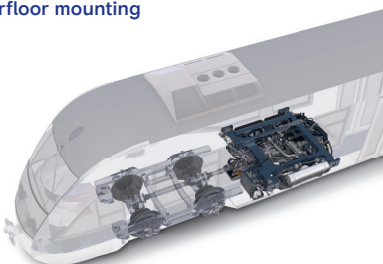
Optional equipment and finishing shown. Standard may vary.

Installation Types

Roof mounting



Underfloor mounting



Engine	Dimensions (LxWxH) mm (in)	Mass, dry kg (lbs)	Mass, wet kg (lbs)
MTU PowerPack	L: 2600 – 4000 (102.4 – 157.5)	2900 – 4000 (6393 – 8819)	3050 – 4200 (6724 – 9259)
	W: 2100 – 2800 (82.7 – 110.2)		
	H: 770 – 850 (30.3 – 33.5)		

All dimensions are approximate.

Combustion Engine Types		
6H 1800 R81/R75	kW (bhp)	315 (422)
6H 1800 R82/R75L	kW (bhp)	335 (449)
6H 1800 R83/R85	kW (bhp)	360 (483)
6H 1800 R84/R85L	kW (bhp)	390 (523)
Speed	rpm	1800
Bore/stroke	mm (in)	128/166 (5.0/6.5)
Cylinder configuration		6 inline
Displacement/cylinder	l (cu in)	2.14 (130)
Displacement, total	l (cu in)	12.8 (782)
Fuel specification		DIN EN 590
Emission qualification*		EU Stage IIIB, EU Stage IIIA compliant, EPA Tier 3 compliant

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



Power transmission	
Transmission for underfloor installation Type	ZF 6 AP 2500R Voith T211
Traction alternator for underfloor installation type	Permanent magnet synchronous generator, External excited synchronous generator, Asynchronous generator
Output voltage range at rated speed	VAC 500-2800
Cooling system	Integrated in PowerPack or separate roof installation, Hydraulic or electrical fan drive
Exhaust system	EU Stage IIIB EU Stage IIIA compliant, with exhaust silencer
	SCR system, catalyst with silencer function, urea injection with supplying and metering unit With exhaust silencer

Additional scope of supply									
Hybridization									
Onboard power supply	<table border="1"> <thead> <tr> <th>Types</th> <th>Power</th> </tr> </thead> <tbody> <tr> <td>28V/DC</td> <td>up to 18 kW</td> </tr> <tr> <td>110V/DC</td> <td>up to 18 kW</td> </tr> <tr> <td>3P-AC 50 Hz/60 Hz</td> <td>up to 70 kVA</td> </tr> </tbody> </table>	Types	Power	28V/DC	up to 18 kW	110V/DC	up to 18 kW	3P-AC 50 Hz/60 Hz	up to 70 kVA
	Types	Power							
	28V/DC	up to 18 kW							
110V/DC	up to 18 kW								
3P-AC 50 Hz/60 Hz	up to 70 kVA								
Air compressor									
Air conditioning compressor									
Preheating systems									
Automatic engine oil replenishment system									
CaPos smart editon	Capacitor-based power supply system for starter								
SafeMon	Safety monitoring unit and documentation								

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 please consult your distributor/dealer.