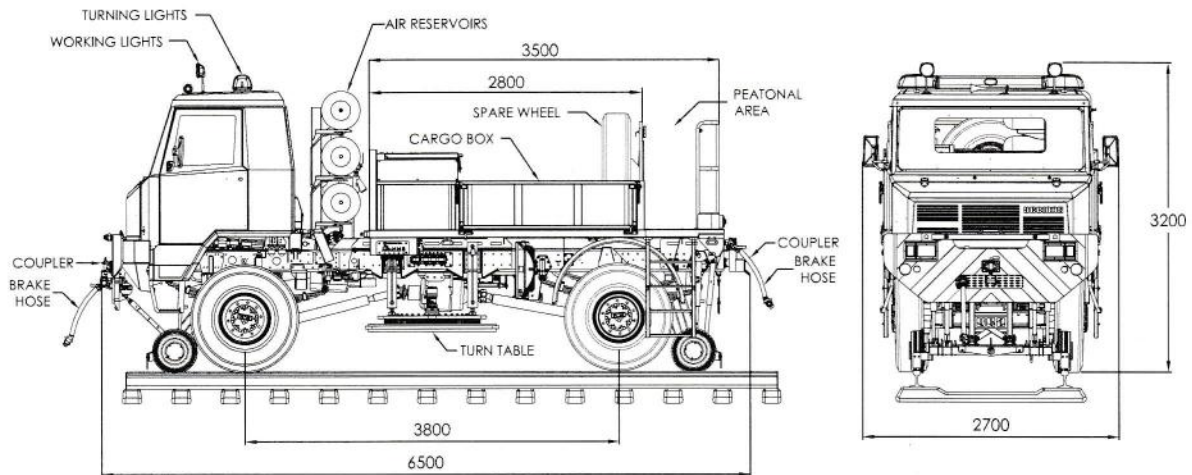


T-RAIL SV



GENERAL CONFIGURATION

RAILWAY BRAKE	PERFORMANCE
Railway brakes for wagons	Capacity: up to 900 Ton and 60 axes
Engine compressor 360 cm ³ and 290 – 900 l/m air flow	Pulling effort: 65000 N
External compressor 380 cm ³ and 290 – 900 l/m air flow	Maximum speed when trailing load: 25 Km/h
Working pressure: TDP 8 bar / TFA 5 bar	
Air dryer and filter	COUPLERS
Additional air reservoirs	Standard Ringfeder coupler
Brake hoses in front and back of the vehicle	Railway couplers on demand
Service indicators in cabin	Draw bar for shunting
Control lever and emergency stop in cabin	

RAIL GUIDING SYSTEM

STANDARD SYSTEM OF 4 WHEELS	SAFETY SYSTEMS
International track gauge (1435 mm), Iberian gauge (1668 mm) Other on request	Special valves: The hydraulic cylinders are connected by a rigid pipe rupture valve whose function is to lock the rear chamber of the cylinder in case of failure in the hydraulic line. This ensures that the vehicle continues to maintain the pressure on the rail and not occur derailment thereof.
Railway wheels: UIC S1002 Tempered (Induction treatment) - 400 mm diameter	Mechanical locks: For road traffic, the guiding railway system incorporates mechanical interlocks that prevent the descent of the guide rail in the event of hydraulic failure.
Railway pivoting and floating axles	Hydraulic accumulators: 4 hydraulic accumulators prevent irregularities in the track and permanently adapt to it and have full contact.
The guiding railway system is raised and lowered by four hydraulic cylinders (2 front, 2 rear), performed by an electro-hydraulic distributor controlled from the cabin	APCS System (Automatic Pressure Control System): This system, composed by an electronic card, ensures a constant pressure of wheels over the rail. A digital display shows the pressure of each axis over the rail.
Locking of steering wheel	Fire extinguisher
System for emergency towing	
Full control from cabin	LIGHTING AND SIGNALS
PERFORMANCE ON RAILWAY TRACK	Railway system lighting with automatic change for forward and reverse circulation
Maximum speed: 50 km/h	Warning signals (Turning lights, air horn, reverse circulation)
Maximum speed with trailing load: 25 km/h	Other on request
Curve radius in standard track: 70 m.	
SPECIAL EQUIPMENT	
Inverter for driving in both directions	
Trailer coupling	

T-RAIL SV

ENGINE	CABIN + INSTRUMENTS
Cummins Turbo diesel con intercooler	Single cabin, 2 seats. Steel made, with tubular structure
Power: 242 HP DIN (180 kW) - 280 HP optional	Air conditioning
Torque: 950 Nm	Seats with suspension and seat belts
Capacity: 6.700 cm ³	Rear view mirrors
Emissions standard Euro III / Euro V / Euro VI	Storage compartments
TRANSMISSION	Radio
Allison automatic gearbox - ZF manual optional	Windshield wipers
Inverter for using complete set of gearbox in both directions	Electrical sockets
Reduction box: 2 speeds (low / high)	Service indicators: Air filter, gearbox temp., ABS, Trailer turn light indicator, parking brake, engine stopped, fog lights, revolution counter, cooling system temp., air pressure in both axles, oil level, fuel level, pre-heating of engine, headlights indicator, PTO activated, pressure in brake system, inverter, fuel tank, engine temp., tilted cabin, engine oil pressure, speedometer + digital odometer.
Full time 4x4	WEIGHTS
Rigid type Axles with double reduction (differentials and wheel hubs)	Curb weight: 7000 - 12000 kg
Both axles with 100% differential locking system, operated by electro-pneumatic control switch on dashboard	Gross weight: 14000 kg
Wheelbase: 3800 mm (Others on request)	Max. payload: Up to 7000 kg
BRAKES	PERFORMANCE ON ROAD
Pneumatic, double circuit, drums on four wheels	Forcing depth: 800 mm
ABS	Gradient: >100% (dep. ground adherence)
WHEELS	Side Slope: >40%
11.00 R20 4 + Spare tyre	Fuel tank capacity: 200 l. (Optional 300 l. tank)
PAINTING	Max. speed: 90 km/h
Anti corrosion treatment Any colour under request	Radio
ELECTRICAL SYSTEM	Windshield wipers
24 V (2 batteries of 12 V), 145 Ah c/u	Electrical sockets
Alternator: 90 Amp - 28V	Service indicators
Diagnosis interface for engine, gearbox and ABS	

OPTIONAL

Load / Rescue Crane
Guidance boggiest with 8 wheels for tramway tracks
Hydraulic traction railways system
TV cameras for rear conduction and rail wheels
Different track gauges
Special bodybuilding
Special work and rescue equipment
Add-on hydraulics
Roof rack over the bodywork
Air and hydraulic connections front and back of vehicle
Aluminium scaffolding
Electrical generator
Portable tripods and extension cords
Welding, chipping hammer and other machines and tools

OPTIONS FOR VEHICLE

Double cabin (6 person) / Triple cabin (9 person)
Manual Gearbox
280 HP engine
Different wheel bases
Special 4x4 tyres
Turning table
Diagnosis system for engine, gearbox and ABS

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