

Timber Truck TH302E HP, TH403E & TF403E

ENGINE		Control Type		Total Retardation Power		ELECTRICAL SYSTEM	
Manufacturer Mercedes Benz		Electronic		265 kW (355 hp) continuous 494 kW (662 hp) maximum		Voltage 24 V	
Model OM926LA		Torque Control Hydrodynamic with lock-up in all gears				Battery Type Two AGM (Absorption Glass Mat) type	
Configuration Inline 6, turbocharged and intercooled		TRANSFER CASE		WHEELS		Battery Capacity 2 X 75 Ah	
Gross Power 240 kW (322 hp) @ 2 200 rpm		Manufacturer Kessler		Type Radial Earthmover		Alternator Rating 28 V 80 A	
Net Power 228 kW 95% (306 hp) @ 2 200 rpm		Series W1400		Tyre 23.5 R 25			
Gross Torque 1 300 Nm (959 lbft) @ 1 200 -1 600 rpm		Layout Remote mounted		FRONT SUSPENSION		VEHICLE SPEEDS	
Displacement 7,2 litres (439 cu.in)		Gear Layout Three in-line helical gears		Semi-independent, leading A-frame supported by hydro-pneumatic suspension struts.		1st 8 km/h 5 mph	
Auxiliary Brake Exhaust valve brake Engine valve brake		Output Differential Interaxle 33/67 proportional differential. Automatic inter-axle differential lock.		REAR SUSPENSION		2nd 14 km/h 9 mph	
Fuel Tank Capacity TH403E & TH302E HP 379 litres (100 US gal)				Pivoting walking beams with laminated rubber suspension blocks.		3rd 20 km/h 12 mph	
TF403E 302 litres (80 US gal)		AXLES		HYDRAULIC SYSTEM		4th 29 km/h 18 mph	
		Manufacturer Bell		Full load sensing system serving the prioritised steering, body tipping and brake functions. A ground-driven, load sensing emergency steering pump is integrated into the main system.		5th 43 km/h 26 mph	
Certification OM926LA meets EU Stage II/EPA Tier 2 emissions regulations		Model 18T		Pump Type Variable displacement load sensing piston		6th 50 km/h 31 mph	
		Differential High input limited slip differential with spiral bevel gears		Flow 165 l/min (44 gal/min)		R 8 km/h 5 mph	
		Final Drive Outboard heavy duty planetary on all axles		Pressure 28 Mpa (4 061 psi)		CAB ROPS/FOPS certified 72 dBA internal sound level measured according to ISO 6396.	
TRANSMISSION		BRAKING SYSTEM		Filter 5 microns			
Manufacturer Allison		Service Brake Dual circuit, full hydraulic actuation wet disc brakes on front and middle axles. Wet brake oil is circulated through a filtration and cooling system.		STEERING SYSTEM			
Model 3400P ORS		Maximum brake force: 187 kN (42 000 lbf)		Double acting cylinders, with ground-driven emergency steering pump.			
Configuration Fully automatic planetary transmission		Park & Emergency Spring applied, air released driveline mounted disc		Lock to lock turns 4,1			
Layout Engine mounted		Maximum brake force: 251 kN (56 400 lbf)		Steering Angle 45°			
Gear layout Constant meshing planetary gears, clutch operated		Auxiliary Brake Automatic engine valve brake. Automatic retardation through electronic activation of wet brake system.		PNEUMATIC SYSTEM			
Gears 6 Forward, 1 Reverse				Air drier with heater and integral unloader valve, serving park brake and auxiliary functions.			
Clutch Type Hydraulically operated multi-disc				System Pressure 810 kPa (117 psi)			

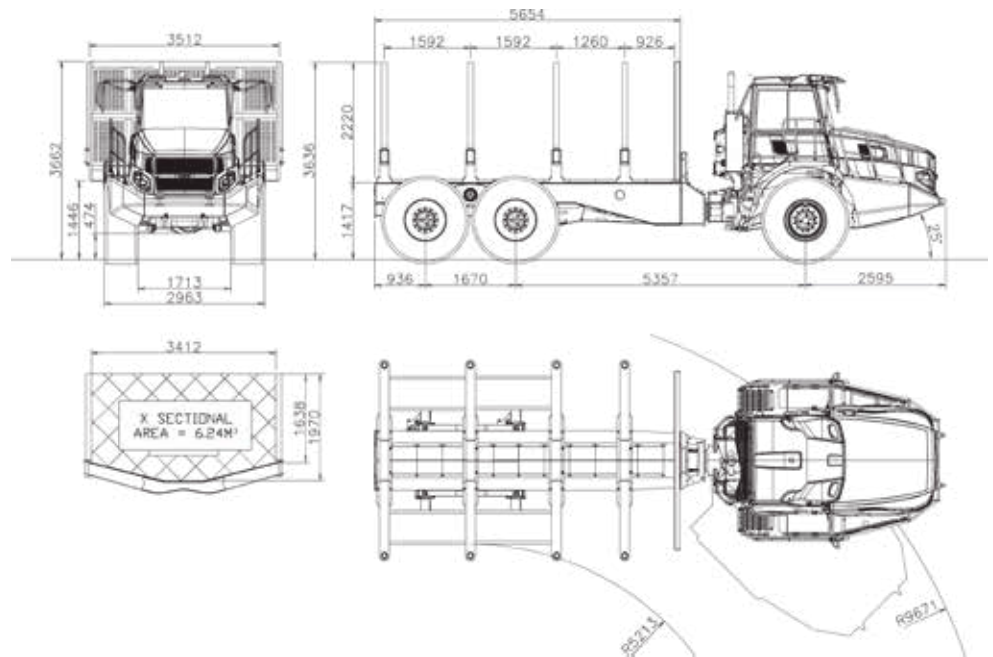
Load Capacity & Ground Pressure

		TH302E HP		TH403E		TF403E	
		UNLADEN kg	LADEN kg	UNLADEN kg	LADEN kg	UNLADEN kg	LADEN kg
Operating weights	Front	8 804	9 676	10 320	13 954	13 016	15 702
	Middle	1 693	13 257	3 659	15 842	6 600	17 701
	Rear	2 206	13 670	4 025	16 208	6 513	17 614
	Total (GVM)	12 703	36 603	18 004	46 004	26 129	51 017
Load Capacity (kg)		24 000		28 000		24 888	
Bunk Area (m³)*		35.2		44.75		44.75	

*Calculated with the maximum rated log length

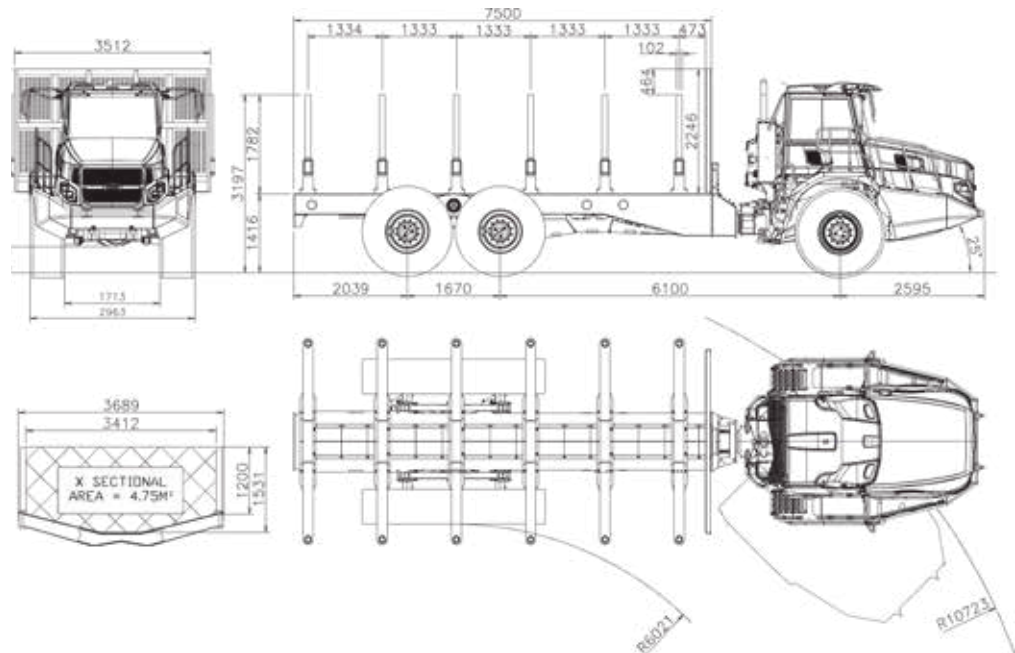
TH302E HP Hauler

Engine: 240 kW
Tyres: 23.5R25
Brakes: WDB
Axle Width: 2 963 mm
Max Speed: 50 km/h
Base machine: B30E



TH403E Hauler

Engine: 240 kW
Tyres: 23.5R25
Axle Width: 2 963 mm
Max Speed: 50 km/h
Base machine: B30E



TF403E Forwarder

Engine: 240 kW
Tyres: 23.5R25
Axle Width: 2 963 mm
Max Speed: 50 km/h
Base machine: B30E

