

TT-110 TECHNICAL SPECIFICATIONS

ENGINE	Make	EICHER//DEUTZ(Germany)
	Model	EE483TCI//TCD 2012 L04 2Vm
	Rating	99HP @ 2400 RPM//101@2300 RPM
	No. of Cylinders	4
	Aspiration	Turbocharged/Intercooled
	Displacement	3.30Litres//4.04 Litres
	Bore x Stroke	100 mm x 105 mm//101 mm x 126 mm
	Cooling	Water Cooled
TRANSMISSION	Make	ZF
	Model	4 WG 94
	Type	Powershift with Torque Converter
	Speeds	4F/3R
	Shifting	Electric
DRIVE AXLE	Make	ZF
	Model	MT-B 3070
	Type	Heavy Duty with Planetary hub reduction
	Mounting	Rigid mounted
	Brakes-Service	Hydraulic operated, oil immersed multiple disc service brake. Air/hydraulic actuation.
	Brakes-Parking	Spring Applied Hydraulically Released
STEER AXLE	Make	EICHER
	Type	Reverse Elliot type, with Drop forged I section beam
	Suspension	Independent thru semi elliptic leaf springs
	Mounting	With conventional shackles/pins
	Brakes	Pneumatic, S-Cam, Drum type
STEERING	Make	Danfoss
	Type	Full time Hydrostatic
	Cylinder	Double ended balanced
TYRES	Front	9.00 x 20 14 PR Radial: 2 Nos.
	Rear	9.00 x 20 14 PR Radial: 4 Nos.
GAUGES	Air cleaner restriction, Voltmeter, Engine Lube oil pressure, Engine temperature, Transmission oil pressure, Transmission oil temperature, Fuel level indicator, Hyd. Oil level indicator (on tank).	
FILTERS	Air cleaner-dry type, Engine oil, Transmission oil, Hyd. oil-return line	
SAFETY	Hydraulic circuit	Provided with over pressure bye-pass valve
	Brake circuit	Parking brake system provided with fail safe engagement in case of Engine immobilization
PERFORMANCE	Draw Bar Pull	110 kN
	Max. speed	30 kph
	Turning radius	5,800 +/- 100 mm
WEIGHTS	GVW	12,000 kg
	FAW	4,400 kg
	RAW	7,600 kg
TOW HITCH	Provided in front and rear with 70 mm dia. alloy steel pins, single level, manual	
SERVICE DATA	Engine	12.5Litres
	Transmission	18Litres
	Drive axle	18 Litres(includes hub reduction)
	Hydraulic tank	55Litres
	Fuel tank	90 Litres
ELECTRICALS	Voltage	12 VDC//24 VDC
	Battery	150 Ah//88 Ah x 2 Nos.
INDICATORS	Low air pressure, Left/Right turn, High beam, Parking brake "on"	

STANDARD EQUIPMENT	<p>Full Cabin with 2 hinged doors and Fan Suspension seats for Driver and Crew Amber colored rotating warning beacon Work lights-Front and rear tow pins Front and Rear Tow Hitch mirror, Cabin mirror Fire Extinguisher Halogen head lamps, Parking (hazard) and Indicator Lights LH & RH External rear view mirrors Wind shield washer Reverse Alarm Equipment loading and unloading eye hooks.</p>	
OPTIONAL EQUIPMENT	<p>Front and Rear spare wheels(1 each) Hydraulic Jack Tool Kit</p>	
CHASSIS CONSTRUCTION	<p>Monocoque type with detachable Hydraulic and Fuel tanks. Designed for strength, Maximum Torsional rigidity, Cross braced and boxed to withstand Push-Pull stresses at either ends.</p>	
HYDRAULICS	<p>A large capacity reservoir is provided with strainer in the filler cap. Heavy duty Vane pump driven by Transmission Power Take off is provided for steering function. Return line filter provided to ensure self cleaning system for long reliable Pump, Steering unit, Cylinder and Seals life.</p>	
CABIN	<p>Wide fully enclosed cabin (Forward mounted meeting IATA AHM 955 norms) with seating for Driver and Crew member. Manufactured from all welded hollow steel sections and skinned with heavy gauge steel sheets. Safety glass is fitted throughout and all opening windows are of sliding type. Large external height adjustable rear view mirrors fitted on both sides. Internal rear view mirror fitted in front of Driver's seat. Additional mirrors with multidirectional adjustment fitted to view front and rear hitching.</p>	
DIMENSIONS	Length	5100 (Without tow brackets)
	Width	2140 mm
	Height	1950 mm (Over cabin)
	Overhang-Front	2100 mm
	Overhang-Rear	700 mm
	Track-Front	1800 mm
	Track-Rear	1900 mm
	Ground clearance	250 mm
Wheel Base	2300 mm	