



TOW TRACTOR - TT-120X

MOVING AIRCRAFTS WITH EASE

A GROUND REALITY WITH TUGKRAFT TOW TRACTORS



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TOW TRACTOR - TT-120X **TECHNICAL SPECIFICATIONS (IAF REQUIREMENTS)**

ENGINE	Make	TATA
	Model	697 TC IC BSIII
	Rating	130 HP@ 2400 RPM
	No. of Cylinders	6
	Aspiration	Turbocharged-Intercooled
	Displacement	5.675 Litres
	Bore x Stroke	97 mm x 128 mm
	Cooling	Water Cooled

TRANSMISSION	Make	AVTEC
	Model	TT 2221
	Type	Powershift with Torque Converter
	Speeds	2F/1R
	Shifting	Electric

FRONT AXLE & REAR AXLE (DRIVE/STEER)	Make	JCB-UK
	Model	SD-70
	Type	Heavy Duty with Planetary hub reduction, powered track rod
	Mounting	Semi Elliptic Leaf Spring mounting for Front Axle and Rigid mounting for Rear Axle
	Brakes-Service	Hydraulic operated; oil immersed multiple disc service brake. Air/hydraulic actuation.
Brakes-Parking	Internal expanding shoe type, on Transmission output Air actuation	

STEERING	Type	Full time Hydrostatic
	Modes	2 wheel/4 wheel/crab

TYRES	Front	9.00 x 20 14PR Radial: 2 Nos.
	Rear	9.00 x 20 14PR Radial: 2 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).
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FILTERS	Air cleaner-dry type, Engine oil, Transmission oil, Hyd. oil-return line
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PERFORMANCE	Draw Bar Pull	135 kN
	Max. speed	25 kph
	Turning radius	4,500 +/- 100 mm

WEIGHTS	GVW	12,300 kg
	FAW	6,300 kg
	RAW	6,000 kg

TOW HITCH	Provided in front and rear with 70 mm dia. alloy steel pins, single level, manual
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SERVICE DATA	Engine	15 Litres
	Transmission	18 Litres
	Drive axle	18 Litres(includes hub reduction)
	Hydraulic tank	60 Litres
	Fuel tank	90 Litres

ELECTRICALS	Voltage	24 VDC
	Battery	150 Ah

INDICATORS	Low air pressure, Low engine oil pressure, Left / Right turn indicator lights, reversing indicator light, High beam, Parking brake "on" with buzzer
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CABIN	Wide fully enclosed cabin (Forward mounted meeting IATA AHM 955 norms) with heat insulated double panel roof, 2 hinged doors, 2 Ventilator fans, fully adjustable Suspension seats for Driver and Crew member. Manufactured from all welded hollow steel sections and skinned with heavy gauge steel sheets. All opening windows are of sliding type.
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STANDARD EQUIPMENT SUPPLIED	<ul style="list-style-type: none"> • Halogen Head Lights with Dipper arrangement • Parking Lights • Instrument panel lighting • Two front mounted swiveling fog lights • Rear swiveling spot light • Cab roof mounted Amber colored flashing warning beacon • Obstruction lights on all 4 corners. • Internal rear view mirror fitted in front of Driver's seat. • Large external height adjustable LH & RH rear view mirrors • Additional mirrors with multidirectional adjustment to view front and rear hitching. • Front and Rear wipers • Wind shield washer • Tool Kit including Torque wrench and pressure gauge
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ADDITIONAL EQUIPMENT SUPPLIED	<ul style="list-style-type: none"> • One spare wheel with rim • Cab HVAC System
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CHASSIS CONSTRUCTION	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.
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HYDRAULICS	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, Cylinders and Seals life.
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SAFETY	<ul style="list-style-type: none"> • Fire Suppression system • One hand held fire Extinguisher 12 Kg capacity • Emergency Engine Shut off • 24 VDC Emergency steering back up • Reverse Alarm • All glasses in Cabin are of safety type • Hydraulic circuit provided with over pressure bye-pass valve • Parking brake system provided with fail safe engagement in case of Engine immobilization
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DOCUMENTATION	<ul style="list-style-type: none"> • User hand book-Operation manual • Maintenance/Overhaul service manual • Spares part manual
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