

TMX 500

AIRCRAFT TOWING TRACTOR



DESCRIPTION

The TMX 500 aircraft towing tractor has a maximum draw bar pull of 38 000 kg (83 600 lbs). It has the ability to perform push and pull operations on all aircraft including Boeing 747-400. Its ergonomic design provides maximum driver comfort and increased visibility. TRACMA's high standard of build and component quality make the TMX 500 a durable and reliable tractor.

DRIVELINE CAPABILITY

<u>Gross Weight Tractor</u>	<u>DBP</u>
52 000 kg (114 439 lbs) up to	38 000 daN (83772 lbs) forward
59 000 kg (130 072 lbs)	

- **Tyres** : 16.00 R 25XGC (36 plies)
- **Fuel tank capacity** : 470 litres (124 US gal).
- **Hydraulic tank capacity** : 250 litres (66 US Gal)

STANDARD FEATURES

- **Engine** : DEUTZ BF8 M1015 C COMI EPA engine 348 kw (473 hp) @ 2100 rpm
- **Transmission** : Z.F. 4 WG 65 4 forward and 4 reverse speeds, inter-axle differential, fail safe direction change
- **Speed** : Maximum reverse and forward speed 30 kph (18.7 mph)
- **Axles** : OMCI heavy duty axles front and rear, each can withstand a max. static load of 100 000 kg (220 400 lbs) and 70 000 kg (154 300 lbs) under dynamic loading at 5 kph (3.1 mph) 45 000 kg (99 200 lbs) under dynamic loading at 30 kph (18.7 mph).
- **Brakes (service)** : Hydraulic powered braking system with wet multidisc brakes (submerged in axle oil) on all four wheels
- **Brakes (parking)** : Spring applied, hydraulically released, wet multidisc brakes lock rear wheels
- **Suspension** : Rear leaf spring suspension; rigid mounted front axle
- **Hitches** : Manually operated pin type hitches front and rear, 70 mm (2.7") diameter pin, 100 mm (3.9") width opening, 450 mm (17.7") from ground
- **Steering** : Hydrostatic, in one of three modes :
 - 1) Front wheels steering
 - 2) 4 wheels steering
 - 3) Crab steering

STANDARD EQUIPMENT

- Front cab with windscreen wipers, side mirrors, one adjustable driver's seat (LHD) and two passenger seats
- Rear open stand up driving station (RHD)
- Ignition key for engine start/stop
- Gauges
- Low brake fluid pressure and parking brake warning lights
- Paint : White – RAL 9016

DIMENSIONS AND WEIGHTS

- Front track 2 450 mm (96.5")
- Rear track 2 450 mm (96.5")
- Wheel base 4 570 mm (180")
- Inside turning radius 4 300 mm (169.2")
- Outside turning radius 8 600 mm (338.58")
- Weight on front axle 25 500 kg (56 200 lbs)
- Weight on rear axle 26 500 kg (58 400 lbs)
- Total gross weight (standard) 52 000 kg (114 600 lbs)
- Ground clearance 190 mm (8")

ELECTRICAL EQUIPMENT

- 24 VDC electrical system, 210 Ah batteries, 55 A alternator
- Battery master switch
- Head lamps, tail lights, stop lights, reverse lights, front and rear warning lights, front and rear turn signal lamps
- Control relays and circuit breakers cabinet located inside driver's cab
- Flashing beacon
- Back up alarm
- Gauges :
 - engine rpm
 - Engine oil pressure
 - Engine temperature
 - Transmission temperature
 - Battery charge level
 - Fuel level
 - Hourmeter
- Indicator lights :
 - Coolant level
 - Coolant temperature
 - Engine oil pressure
 - Hydraulic oil pressure
 - Engine oil temperature
 - Transmission oil temperature
 - Hydraulic oil temperature
 - Brake pressure
 - Steering mode indicator light
 - Beacon and buzzer warning light
 - Parking brakes indicator light

OPTIONS AVAILABLE

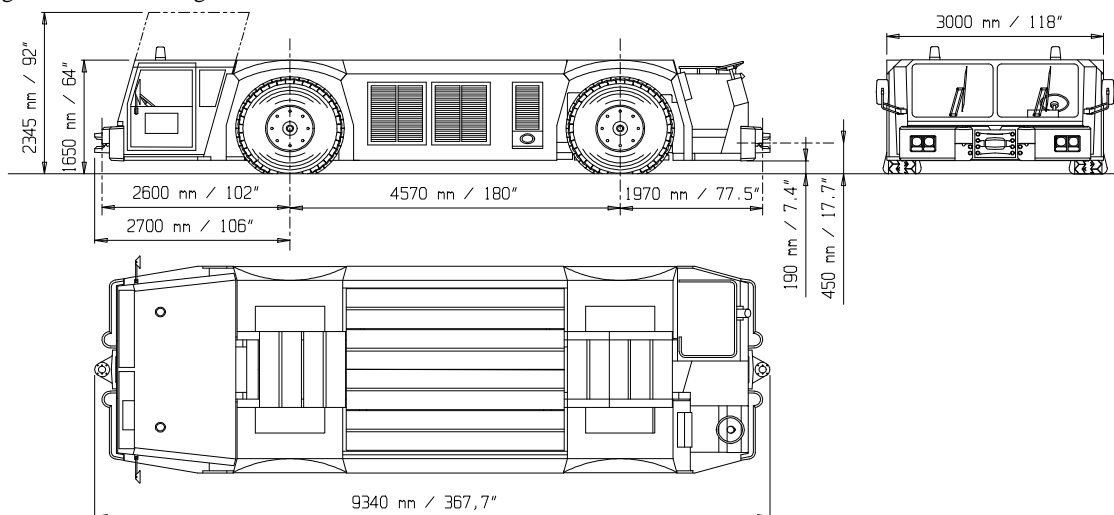
- 7 000 kg (15 432 lbs) ballasting for adverse weather conditions (59 000 kg / 132 000 lbs version)
- Provision for GPU or GPU installation (L2 500 x 1 900 x h 1 170 mm) (L98.5" x 74.8" x 46") installed on right-hand side between wheels) (90 kVA COM1), 1 output (not available on all versions)
- Elevating cab
- Air conditioning or heater/defroster in cab
- Integral hydraulic jacks for tyre changes
- Automatic lubricating system
- Fire extinguisher 6 kg
- Hydraulically operated hitches
- Spare wheel and tyre
- Special paint
- Short chassis
- Emergency D.C. pump
- Rotating warning beacon

400 Version

- DEUTZ BF12L513 – 316kW (430 Hp) @ 2 100 rpm / ZF Transmission 4 W G 65 (not available for EEC)

300 Version

- Cummins 6CTAA8.3/C300 engine (294 hp) / ZF transmission 4 WG 200
- Deutz BF6M1013ECP COM1 engine (265 hp) / ZF Transmission 4 WG 200



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