

# TPX-200

## TOWBARLESS AIRCRAFT TRACTOR



### DESCRIPTION

The TPX-200 is a towbarless aircraft tractor capable of performing push back operations on all aircraft from B737, up to fully loaded B767. The cradle design can operate to AIRBUS A319/A320/A321, A300/A310, MD DC9, MD80/MD90 and BOEING B737, B727, B757 and B767. Its design based on simplicity (no video camera, less cylinders as possible,...), on the ease of operation (high manoeuvrability, direct visibility on the NLG, fully automated loading/unloading cycle,..) and on state of the art components (DEUTZ, POCLAIN, REXROTH, DANFOSS,..) make the TPX-200 a durable, reliable and a low operating and maintenance cost tractor. The cradle system is designed to fit all NLG, included inclined one and includes the overtorque alerting device. The automatic control of loading/unloading cycle allows fail safe operations. Thank to Its heavy-duty design the TPX-200 is a very reliable tractor.

### STANDARD FEATURES

- **Engine** : DEUTZ TCD 2013 L04 2V, diesel engine, 4 cylinders, 120 kW (163 HP) @ 2,300 rpm
- **Transmission** : Hydrostatic with REXROTH A4VG180 pump and two POCLAIN MS35-2C (2 displacements) wheel motor on front wheels
- **Driveline capability** : 8 500 daN (19 040 lbs)
- **Maximum nose gear weight** : 25 000 kg (55 000 lbs)
- **Maximum nose gear width** : 1 200 mm (47.2")
- **Maximum speed** : 22 kph (13.7 mph)
- **Automatic aircraft pre-selection**: Selects appropriate DBP and braking range according to aircraft type
- **Brakes (service)** : Hydrostatic brakes on front wheels and drum brakes on rear wheels
- **Brakes (parking)** : Spring applied, hydraulically released dry disk brakes lock front wheels
- **Steering** : Hydrostatic steering on rear axle
- **Emergency equipment** : Hand pump and DC pump to release aircraft and remove the tractor
- **Safety** : emergency stop button, overtorque landing gear alerting device.
- **Tyres** : 385/65R22.5 on front , 245/70R17.5 on rear
- **Fuel tank capacity** : 155 liters (41 US Gal)
- **Hydraulic tank capacity** : 230 liters (61 US Gal)
- **Paint** : White –RAL 9016

### STANDARD EQUIPMENT

- Driving station padded with door cab and tinted windscreen
- Fixed driver station for push-back operation only
- Side mirrors and one driver's seat
- **GAUGES** :
  - Hourmeter
  - Fuel level
- **INDICATOR LIGHT** :
  - Engine oil pressure
  - Battery charge level
  - Coolant temperature
  - Hydraulic filter plugging
  - Overtorque failure
  - Position in the loading/unloading cycle
  - Aircraft selection indicator light
  - Parking brake
  - Steering indicator + headlight indicator
  - Steering wheels position
  - Overtorque (Operational and safety lights)
  - Anomaly buzzer and indicator light

Due to a continuous program of research and development,  
Tolerances of mentioned data : +/- 5 %  
specifications may be altered as a constant effort to improve performance.

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## DIMENSIONS AND WEIGHT

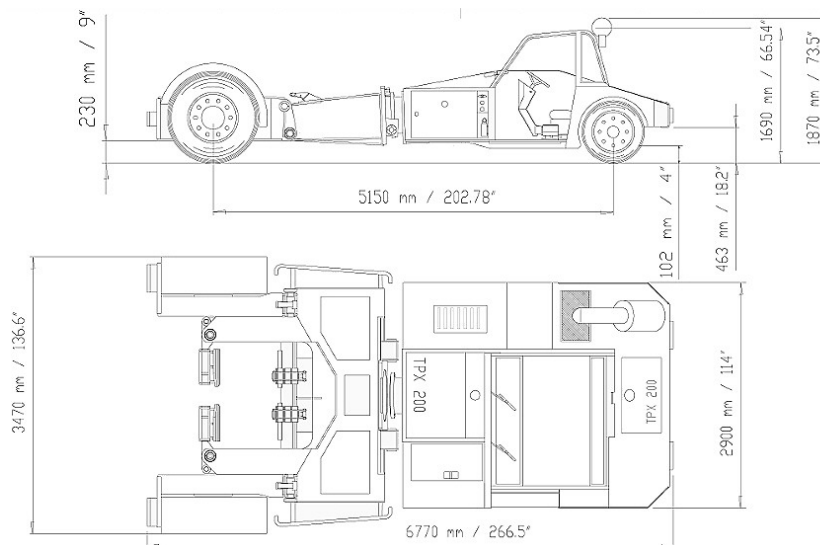
- Front track 3 000 mm (118")
- Rear track 2 260 mm (88.97")
- Wheel base 5 150 mm (202.7")
- Outside turning radius 7 830 mm (308.2")
- Inner turning radius 2 150 mm (84.64 ")
- Total weight 12 000 Kg (26 400 lbs)
- Front axle weight 6 740 Kg (14 830 lbs)
- Rear axle weight 5 260 Kg (11 570 lbs)

## ELECTRICAL EQUIPMENT

- 24 VDC electrical system, 2 batteries 95 Ah , 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, buzzer on reverse, flashing beacon.
- Control relays and circuit breakers cabinet are conveniently located next to driver's seat

## OPTIONS AVAILABLE

- Webasto heater
- Cab heater, defroster
- Rear tow hitch for conventional operations
- Air conditioner
- Soundproof engine compartment
- Pneu. comfortable seat + passenger seat
- Extra wiring for radio
- Laser guide
- 2 Extinguishers
- Spare wheel and tyre
- Special paint
- Rotating driver's seat and steering wheel plus secondary dashboard



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Some views may show optional equipment.