

CHALLENGER 700

AIRCRAFT TRACTOR



TREPEL
AIRPORT EQUIPMENT GMBH

Cost-efficient large aircraft tractor

The CHALLENGER 700 is a conventional aircraft tractor that is capable to handle push-back, repositioning and maintenance towing of all wide body aircraft including a fully loaded Airbus A380. The mechanical lock-up clutch of the new generation of power shift transmission reduces fuel consumption when moving at higher speed. The liftable power-pack compartment minimizes downtime of the tractor and reduces maintenance costs.

Performance

Capacity	Aircraft weight up to 600 tons
Dimensions (L x W x H)	7.800 x 3.000 x 2.000 mm (without cabin stroke)
Drawbar pull	498 kN (calculated theoretical value, dependent on ballasted weight and adhesion factor)
Driving speed	30 km/h (depends on ballasted weight)
Turning radius	6.900 mm
Weight	40 tons (without ballast) up to 70 tons (ballasted)

Design

Engine	Deutz 6-cylinder diesel TCD 2015 V6 (COM 3A / EPA-TIER 3/CARB), other engines and emission class on request
Transmission	ZF-power shift transmission, converter gear, 6 speed forward, 3 speed reverse
Axle	Kessler front axle with hydro pneumatic suspension, Kessler rear axle rigid
Tyres	480/95R25X-STRADDLE 13.00-25/2.5
Steering	Hydraulic power steering, front axle direct via Orbitrol, electronic rear axle steering, 4 steering modes: <ul style="list-style-type: none">• Front axle steering• Rear axle steering• Diagonal steering• All wheel steering
Braking system	Dual circuit hydraulic disc brakes, spring loaded parking brake
Electric system	24V DC for vehicle electric system
Driver's cab	Liftable, front and rear screen heated

Options

Integrated hydraulic jacks, open driver's stand at rear, tyres 18.00 x R25, air conditioning, GPU 90 kVA, central greasing station. Further options on request. Please consult the technical specification for more information.

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