

CHALLENGER 430

AIRCRAFT TRACTOR



TREPel
AIRPORT EQUIPMENT GMBH

Adaptable medium-size aircraft tractor

The CHALLENGER 430 is a conventional aircraft tractor that is capable to handle push-back, repositioning and maintenance towing of aircraft up to a fully loaded Boeing B777. The mechanical lock-up clutch of the new generation of power shift transmission reduces fuel consumption when moving at higher speed. The hydro-pneumatic front axle suspension provides best possible driving comfort for the operator. The liftable power-pack compartment minimizes downtime of the tractor and reduces maintenance costs.

Performance

Capacity	Aircraft weight up to 380 tons
Dimensions (L x W x H)	6.900 x 2.700 x 2.000 mm (without tow hitch)
Drawbar pull	304 kN (calculated theoretical value, dependent on ballasted weight and adhesion factor)
Driving speed	30 km/h (depends on ballasted weight)
Turning radius	6.410 mm
Weight	27 tons (without ballast) up to 43 tons (ballasted)

Design

Engine	Deutz 6-cylinder diesel TCD 2013 L6 (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	385/95 R25
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, air conditioning, central greasing system, open driver's stand at rear. Further options on request. Please consult the technical specification for more information.

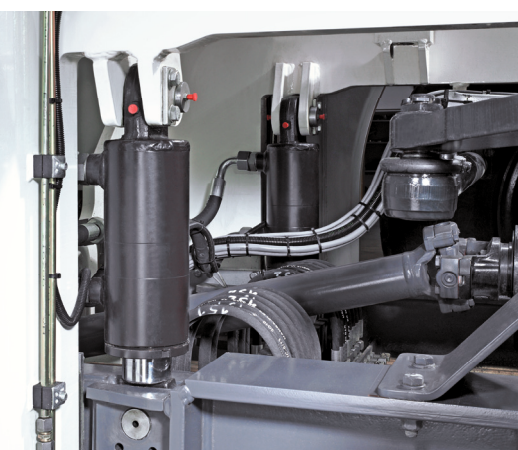
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optional open driver's stand at rear



optional integrated hydraulic jacks