

CHARGER 380 e

CHARGER 380-E – the latest innovation in towbarless aircraft tractor technology. This towbarless aircraft tractor is ideally suited for pushbacks, intergate towing and high-speed maintenance tows. The ideal zero-emission workhorse for airlines and airports as well as ground handling companies. Top quality components and an extremely reliable electric wheelmotors guarantee low TCO and high availability.

The CHARGER 380-E is equipped with a high voltage Lithium-ion battery, while still delivering the same high performance as the diesel tractor.

Full electric driveline

309 kW 415 HP

Highest engine power on the market

Fastest tractor

on the market in its tractor range

High aircraft range

from Embraer 170 to A340-600 full load

High lifting capacity

41,2 tons, A340-600 capable

Up to 13 tons

drawpull

TAPS

The Trepel Aircraft Protection System is a unique feature installed in the CHARGER 380 that monitors oversteer of the aircraft and alerts the operator where needed

Emergency nose wheel release

is easily accomplished with just one single action



CHARGER 380 e

High voltage Lithium-ion battery

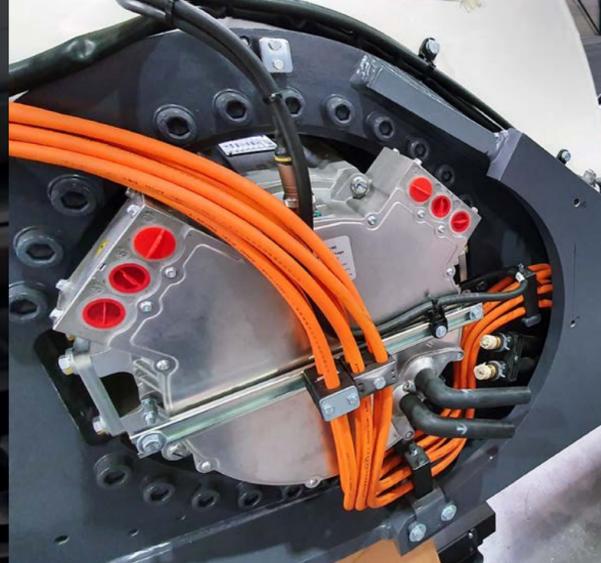


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TREPEL

CHARGER 380 **e**

High voltage Lithium-ion battery



Electric drive **e** Lithium-ion battery

The CHARGER 380-E features a complete electric drive line, comprising 2 electric wheel-motors integrated into the rear wheels, all powered by a high-voltage Li-ion battery. Two spacious battery compartments offer the market's highest battery autonomy. The CHARGER 380-E can be fitted with an onboard battery charger and/or an external high-power fast DC charger. The CHARGER 380-H also exists as a hybrid version, where one battery pack is replaced by a battery generator. This battery generator is operating discreetly in the background to recharge the battery while the tractor is operating and provides an energy boost for long-distance tows of heavy aircraft.



Cabin

A high-quality visual display with high resolution shows important information to the operator and service personnel alike. The display is used to aid in visualising the pick-up procedure of the NLG.

Clamping system

The clamping system has many standard safety features in order to clamp the nose landing gear in the safest way possible. It handles aircraft from Embraer 170 up to Airbus A340-600, which is one of the widest aircraft range on the market. A camera and ultrasonic sensors support the operator, making nose wheel capture both smooth and simple.



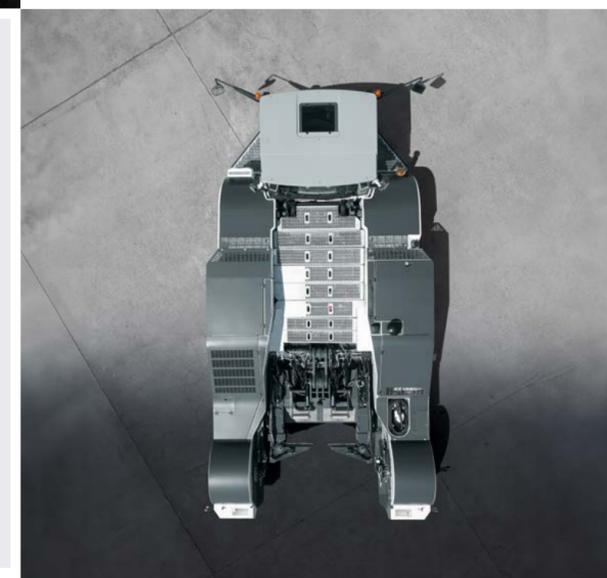
Air Conditioning / Auxiliary heating

A super high performance air-conditioner for tropical climate is also available as an option. For winter operation, auxiliary heating can be fitted in order to heat the cab when the engine is turned off.



Suspension

The hydro pneumatic front axle suspension, which is already an established feature in the Challenger tractor range, provides the best possible driving comfort for the operator. The hydro pneumatic front axle suspension aids safety, as its excellent damping behaviour allows the operator to perform long distance towing safely.



Other Highlights

- Short turning radius
- LED strobe lights
- Overtorque protection system
- Anti-collision and obstacle detection system
- Tyre pressure monitoring system
- 90 kVA electric Ground Power Unit (eGPU)
- Minimum cabin height of 1.650 mm for under belly operations complying with IATA AHM 957
- Battery charger AC and DC