

## »PHOENIX« AST-2E TECHNICAL DATA



### 5TH GENERATION:

The battery electric powered »PHOENIX« E is emission free and sustainable while matching the performance of the diesel tractor. Wide aircraft range for pushback, intergate and long distance maintenance towing. Nose-gear lifted and released in record time without pick-up system touching the ground. Unique electric direct drive system with differential lock for best all-weather operation.

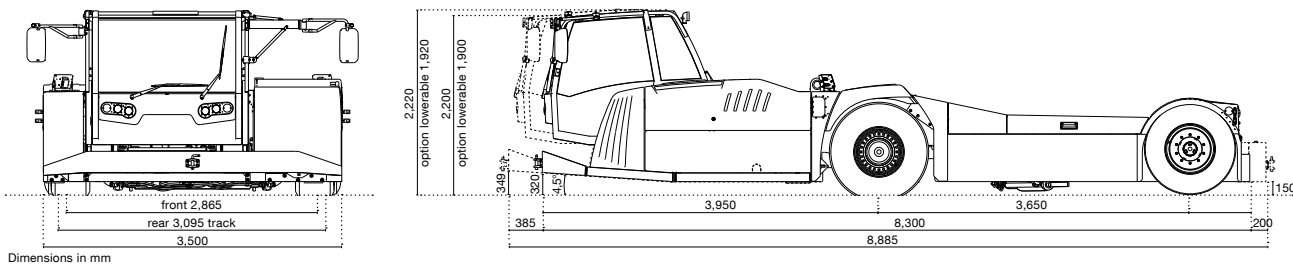
	Embraer 170/175/190/195 (incl. E2 versions)	Bombardier CS100 (Airbus A220-100)	Bombardier CS300 (Airbus A220-300)	B737 -300 up to -900	B737 Max 7/8/200/9/10	A318/319/320/321 (incl. Neo versions)	B757 -200/-300	A300/A310	B767 -200/-300	B767 -400	DC-10/MD-11	A330 -200/-300/-800/-900 & A340 -200/-300	B787	B777 -200/-200 ER/-300	A350	B777 -200 LR/-300 ER/-F
<b>AIRCRAFT RANGE</b>	• <sup>(1)</sup>	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
<b>DEADWEIGHT</b>	+ 17 t - 19.5 t (depending on the scope of options)															
<b>MTOW</b>	+ 352 t															
<b>LIFTING CAPACITY</b>	+ 375 kN															

<sup>(1)</sup> Specific vehicle configuration necessary for this aircraft



**FIND OUT MORE**  
»PHOENIX« AST-2E

**MADE FOR YOUR MISSION**



Dimensions in mm

## 700 V LITHIUM-ION BATTERY



CAPACITY	80 kWh (2x40 kWh) up to 32 km/h	160 kWh (4x40 kWh) up to 32 km/h	240 kWh (6x40 kWh) up to 32 km/h
----------	---------------------------------------	--	--

CHARGING	<ul style="list-style-type: none"> <li>+ AC up to 22 kW, onboard</li> <li>+ DC up to 150 kW</li> <li>+ CCS Type1, CCS Type2 and GB/T</li> </ul>	
----------	---	--



TURNING RADIUS	+ 10,000 mm or 10,280 mm <sup>[2]</sup>
----------------	---

TRACTIVE FORCE	+ Automatic adaption to NLG limits up to 120 kN
----------------	--

AXLES	+ Kessler driven front steering axle with planetary drives in the wheel hubs and differential lock
-------	--

STEERING SYSTEM	+ Front-wheel steering	+ Emergency steering supply by accumulator
-----------------	------------------------	--

TIRES	+ Front axle R22.5 2x445/65	+ Rear axle R22.5 2x385/65
-------	-----------------------------	----------------------------

BRAKES	<ul style="list-style-type: none"> <li>+ 2 circuit disk brakes at front axle</li> <li>+ 3rd circuit at drum brakes rear axle</li> </ul>	
--------	---	--

HYDRAULIC SYSTEM	+ Brakes, steering and pick-up system	+ Cabin-lift and jacks
------------------	---------------------------------------	------------------------

ELECTRIC SYSTEM	+ 24 V on-board voltage	+ Battery capacity 2x12 V/154 Ah
-----------------	-------------------------	----------------------------------

CABIN	+ 2 men cabin	+ 180° turning seat and cockpit
-------	---------------	---------------------------------



OPTIONS	+ Additional battery capacity	+ E-GPU
EXAMPLES	<ul style="list-style-type: none"> <li>+ Cabin lowering</li> <li>+ Air conditioning</li> <li>+ Auto-lube</li> <li>+ AC-charging cable</li> <li>+ Cabin pre-conditioning</li> </ul>	<ul style="list-style-type: none"> <li>+ Hydro-pneumatic parallelogram cabin suspension</li> <li>+ Onboard lifting jacks</li> <li>+ And many more</li> </ul>

<sup>[2]</sup> with ERJ, vehicle length 8,885 mm

### GOLDHOFER AKTIENGESELLSCHAFT

Donaustrasse 95, 87700 Memmingen/Germany  
Web: www.goldhofer.com, E-Mail: info@goldhofer.com

### SALES

Telephone: +49 8331 15-343  
E-Mail: sales-airporttechnology@goldhofer.com

### SERVICE AND SPARE PARTS

Telephone: +49 8331 962 99 99, Fax: +49 8331 15-247  
E-Mail: service-airporttechnology@goldhofer.com

**MADE FOR YOUR MISSION**