

## »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.

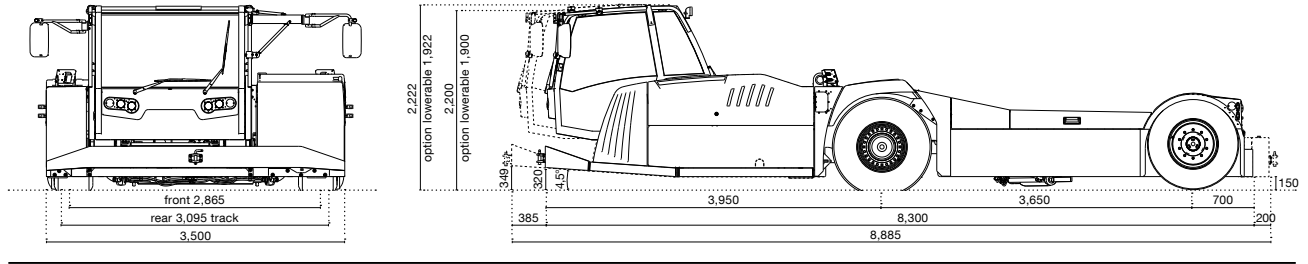
	Embraer 170/175/190/195 (incl. E2 versions)	Bombardier CS100 (Airbus A220-100)	Bombardier CS300 (Airbus A220-300)	B737 -300 up to -900	B737 Max 7/8/200/9/10	A318/319/320/321 (incl. Neo versions)	B757 -200/-300	A300/A310	B767 -200/-300	B767 -400	DC-10/MD-11	A330 -200/-300/-800/-900 & A340 -200/-300	B787	B777 -200/-200 ER/-300	A350	B777 -200 LR/-300 ER/-F
<b>AIRCRAFT RANGE</b>	*	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
<b>DEADWEIGHT</b>	+ 17 -18.5 t (depending on the scope of options)															
<b>MTOW</b>	+ 352 t															
<b>LIFTING CAPACITY</b>	+ 375 kN															

\* Specific vehicle configuration for this aircraft necessary



**FIND OUT MORE**  
»PHOENIX« AST-2E

**MADE FOR YOUR MISSION**



## 700 V LITHIUM-ION BATTERY

⚡	<b>CAPACITY</b>	66 kWh (2x33 kWh) up to 32 km/h	99 kWh (3x33 kWh) up to 32 km/h	132 kWh (4x33 kWh) up to 32 km/h	165 kWh (5x33 kWh) up to 32 km/h
	<b>CHARGING</b>	+ 55 kW Diesel range extender/EU STAGE V + AC up to 22 kW, onboard + DC up to 150 kW, onboard + CCS Type1, CCS Type2, CHAdeMO and GB/T			
⚙️	<b>TURNING RADIUS</b>	+ 10,000 mm or 10,280 mm*			
	<b>TRACTIVE FORCE</b>	+ Automatic adaption to NLG limits up to 120 kN			
	<b>AXLES</b>	+ Kessler driven front steering axle with planetary drives in the wheel hubs and differential lock	+ BPW rear wheel hubs		
	<b>STEERING SYSTEM</b>	+ Front-wheel steering + Steer by wire system	+ Emergency steering supply by accumulator		
	<b>TIRES</b>	+ Front + rear axle R22.5 + 2x445/65 + 2x385/65			
	<b>BRAKES</b>	+ 2 circuit disk brakes at front axle + 3rd circuit at drum brakes rear axle			
	<b>HYDRAULIC SYSTEM</b>	+ Brakes, steering and pick-up system	+ Cabin-lift and jacks		
	<b>ELECTRIC SYSTEM</b>	+ 24 V on-board voltage		+ Battery capacity 2x12 V/154 Ah	
	<b>CABIN</b>	+ 2 men cabin + Mechanical parallelogram suspension	+ 180° turning seat and cockpit		
+	<b>OPTIONS</b>	+ Range extender	+ E-GPU		
	<b>EXAMPLES</b>	+ Additional battery capacity + Cabin lowering + Air conditioning + Auto-lube + AC-charging cable	+ Hydro-pneumatic parallelogram suspension + Onboard lifting jacks + And many more...		

\* with ERJ, vehicle length 8,885 mm

### GOLDHOFER AIRPORT TECHNOLOGY

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