

»PHOENIX« AST-2E

TECHNICAL DATA

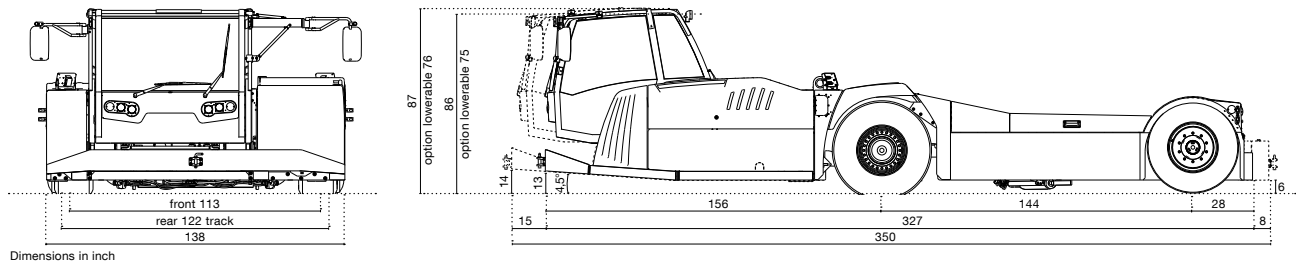


5TH GENERATION:
The battery electric powered »PHOENIX« E is emission free and sustainable while matching the performance of the diesel tractor. Wide aircraft range for pushback, intergate and long distance maintenance towing. Nose-gear lifted and released in record time without pick-up system touching 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
AIRCRAFT RANGE	• ^[1]	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
DEADWEIGHT	+ 37,400 - 43,000 lbs (depending on the scope of options)															
MTOW	+ 776,000 lbs															
LIFTING CAPACITY	+ 84,300 lbf															

^[1] Specific vehicle configuration necessary for this aircraft





Dimensions in inch

700 V LITHIUM-ION BATTERY



CAPACITY

80 kWh (2x40 kWh) up to 20 mph	160 kWh (4x40 kWh) up to 20 mph	240 kWh (6x40 kWh) up to 20 mph
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CHARGING

- + DC up to 150 kW
- + CCS Type1, CCS Type2 and GB/T



TURNING RADIUS

- + 394" or 405"^[2]

TRACTIVE FORCE

- + Automatic adaption to NLG limits
up to 27,000 lbf

AXLES

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

STEERING SYSTEM

- + Front-wheel steering
- + Steer by wire system
- + Emergency steering supply by accumulator

TIRES

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

BRAKES

- + 2 circuit disk brakes at front axle
- + 3rd circuit at drum brakes rear axle

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
- + Mechanical parallelogram suspension
- + 180° turning seat and cockpit



OPTIONS EXAMPLES

- + Additional battery capacity
- + Cabin lowering
- + Air conditioning
- + Auto-lube
- + Cabin pre-conditioning
- + E-GPU
- + Hydro-pneumatic parallelogram cabin suspension
- + Onboard lifting jacks
- + And many more

^[2] with ERJ, vehicle length 350"

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