

»PHOENIX« AST-2P/X TECHNICAL DATA



4TH GENERATION:

Using latest technologies based on more than 30 years experience in new design with distinct focus on TCO. 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 hydrostatic drive system with differential lock for best all-weather operation.

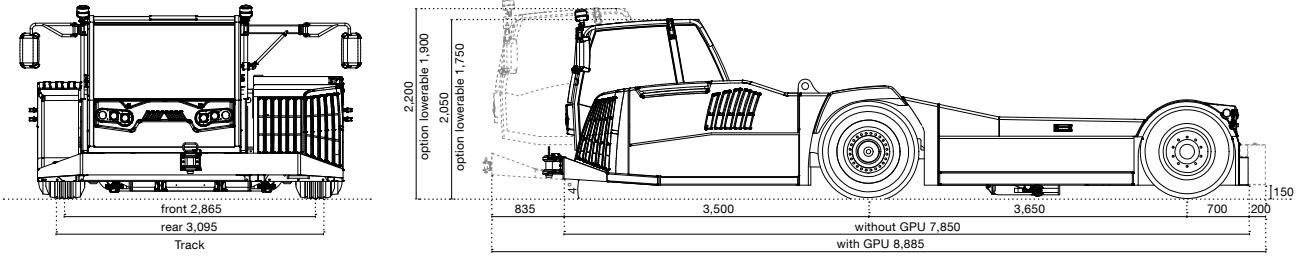
| | Embraer 170/175/190/195 | Bombardier CS100 (Airbus A220-100) | Bombardier CS300 (Airbus A220-300) | B737 -300 up to -900 | B737 Max 7/8/8200/9 | DC9-20 up to -50/MD8x/MD9x | B717 | A318/319/320/321 (incl. Neo versions) | B757 -200/-300 | A300/A310 | B767 -200/-300 | B767 -400 | DC-10/MD-11 | A330 -200/-300/-800/-900 & A340 -200/-300 | B787 | B777 -200/-200 ER/-300 | A350 | B777 -200 LR/-300 ER/-F |
|-------------------------|-------------------------|------------------------------------|------------------------------------|----------------------|---------------------|----------------------------|---------|---------------------------------------|----------------|----------------------------------|----------------|-----------|-------------|---|------|------------------------|------|-------------------------|
| AIRCRAFT RANGE | * ** | • | • | • | • | * ** | * ** | • | • | • | • | • | • | • | • | • | • | • |
| DEADWEIGHT | + approx. 16,1 t | | | | | | | | | + * 18,5 t (with ERJ or/and GPU) | | | | | | | | |
| MTOW | + 352 t | | | | | | | | | | | | | | | | | |
| LIFTING CAPACITY | + 375 kN | | | | | | | | | | | | | | | | | |

* with ERJ or/and GPU, vehicle length 8,885 mm
** Specific vehicle configuration for this aircraft necessary






FIND OUT MORE
»PHOENIX« AST-2P/X

MADE FOR YOUR MISSION



| | EU STAGE IIIA | EU STAGE IV | EU STAGE V |
|--|----------------------|----------------------|-------------------|
| | QSL9 | QSL9 | QSL9 |
| | Inline 6, US TIER 3 | Inline 6, US TIER 4f | Inline 6 |

| | | | | | | |
|--|-------------------------|--|--|----------------------------------|---------------------|--|
|  | ENGINE CUMMINS | AST-2P up to 25 km/h | Type C305 228 kW | Type C310 231 kW | Type C310 231 kW | |
| | | AST-2X up to 32 km/h | Type C365 272 kW | Type C380 283 kW | Type C390 291 kW | |
|  | TURNING RADIUS | + 9,650 mm | + * 10,280 mm (with ERJ or/and GPU) | | | |
| | TRACTIVE FORCE | + Automatic adaption to NLG limits up to 120 kN | | | | |
| | TRANSMISSION | + 4x2 closed Loop hydrostatic drive system | | | | |
| | AXLES | + Kessler driven front steering axle with planetary drives in the wheel hubs and differential lock | + BPW rear wheel hubs | | | |
| | STEERING SYSTEM | + Front-wheel steering + Steer by wire system | + Emergency steering supply by accumulator | | | |
| | TIRES | + Front + rear axle R22.5 + 2x445/65 + 2x385/65 | | | | |
| | BRAKES | + 2 circuit disk brakes at front axle, + 3rd circuit at drum brakes rear axle | | | | |
| | HYDRAULIC SYSTEM | + Brakes, steering and drive system | + Cabin-lift and jacks | | | |
| | ELECTRIC SYSTEM | + Alternator 24 V/120 A | | + Battery capacity 2x12 V/154 Ah | | |
| | CABIN | + 2 men cabin + Mechanical parallelogram suspension + 180° turning seat and cockpit | + Cabin lowering + Onboard lifting jacks | | | |
|  | OPTIONS EXAMPLES | + Cabin lowering + Air conditioning + Auto-lube + Winter-kit | + * GPU (90kVA) + Hydro-pneumatic parallelogram suspension + Lifting jacks | | | |

* with ERJ or/and GPU, vehicle length 8,885 mm

GOLDHOFER AIRPORT TECHNOLOGY

Location: Donaustrasse 95, 87700 Memmingen/Germany
 Location: Parkstrasse 19-21, 73760 Ostfildern/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

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