

## »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.

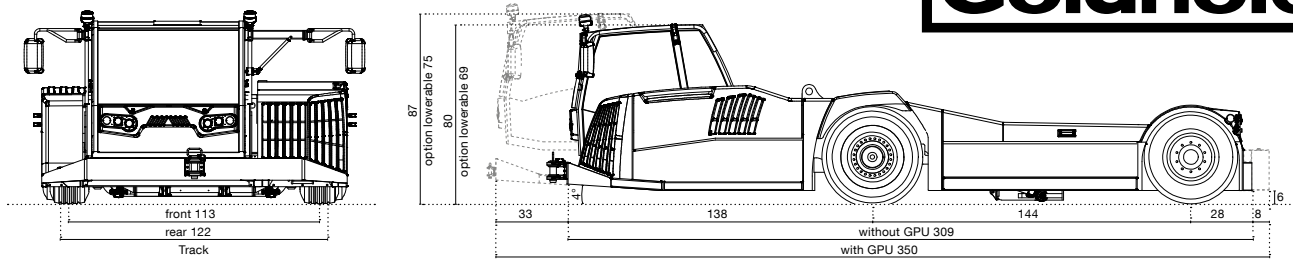
|                         |                         |                                    |                                    |                      |                     |                            |      |                                       |                |                                      |                |           |             |   |      |                        |      |                         |
|-------------------------|-------------------------|------------------------------------|------------------------------------|----------------------|---------------------|----------------------------|------|---------------------------------------|----------------|--------------------------------------|----------------|-----------|-------------|---|------|------------------------|------|-------------------------|
|                         | 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 |
| <b>AIRCRAFT RANGE</b>   | •*                      | •                                  | •                                  | •                    | •                   | •*                         | •**  | •                                     | •              | •                                    | •              | •         | •           | •   | •    | •                      | •    | •                       |
| <b>DEADWEIGHT</b>       | + approx. 35,500 lbs    |                                    |                                    |                      |                     |                            |      |                                       |                | + * 40,800 lbs (with ERJ or/and GPU) |                |           |             |   |      |                        |      |                         |
| <b>MTOW</b>             | + 776,000 lbs           |                                    |                                    |                      |                     |                            |      |                                       |                |                                      |                |           |             |   |      |                        |      |                         |
| <b>LIFTING CAPACITY</b> | + 84,300 lbf            |                                    |                                    |                      |                     |                            |      |                                       |                |                                      |                |           |             |   |      |                        |      |                         |

\* with ERJ or/and GPU, vehicle length 350"  
\*\* Specific vehicle configuration for this aircraft necessary



**FIND OUT MORE**  
»PHOENIX« AST-2P/X

**MADE FOR YOUR MISSION**



## ENGINE CUMMINS

|                        | EU STAGE IIIA<br>QSL9<br>Inline 6, US TIER 3 | EU STAGE IV<br>QSL9<br>Inline 6, US TIER 4f | EU STAGE V<br>QSL9<br>Inline 6 |
|------------------------|--|---|--------------------------------|
| AST-2P<br>up to 16 mph | Type C305<br>305 hp                          | Type C310<br>310 hp                         | Type C310<br>310 hp            |
| AST-2X<br>up to 20 mph | Type C365<br>365 hp                          | Type C380<br>380 hp                         | Type C390<br>390 hp            |



## TURNING RADIUS TRACTIVE FORCE

|                |  |                                  |
|----------------|--|----------------------------------|
| TURNING RADIUS | + 380"   | + * 405 in (with ERJ or/and GPU) |
| TRACTIVE FORCE | + Automatic adaption to NLG limits<br>up to 26,900 lbf |                                  |

## 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 + Emergency steering supply by accumulator  
+ Steer by wire system

## 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, + Cabin lowering  
+ Mechanical parallelogram suspension + Onboard lifting jacks  
+ 180° turning seat and cockpit



## OPTIONS EXAMPLES

+ Cabin lowering + \* GPU (90kVA)  
+ Airconditioning + Hydro-pneumatic parallelogram suspension  
+ Auto-lube + Lifting jacks  
+ Winterization-kits

\* with ERJ or/and GPU, vehicle length 350"

### GOLDHOFER AIRPORT TECHNOLOGY

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