

»PHOENIX« AST-2P/X TECHNICAL DATA



4TH GENERATION:

Using latest technologies based on more than 30 years of 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.

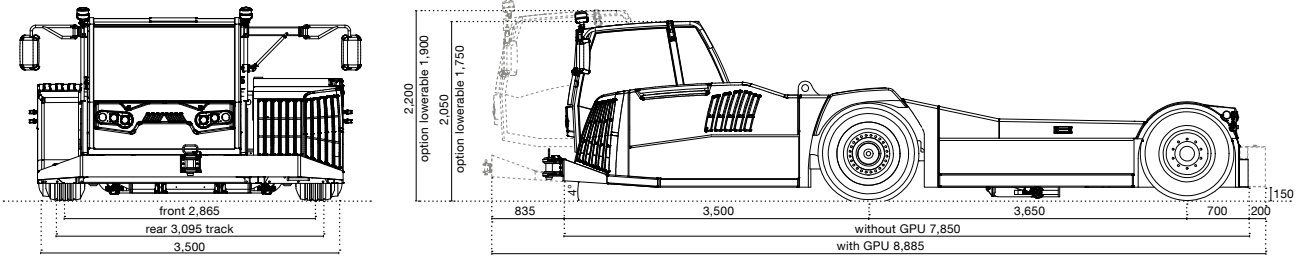
	Embraer 170/175/190/195 (incl. E2 versions)	Bombardier CS100 (Airbus A220-100)	Bombardier CS300 (Airbus A220-300)	B737 -300 up to -900	B737 Max 7/8/200/9/10	DC9-20 up to -50/MD8x/MD9x	B717	A318/319/320/321 (incl. Neo versions)	B757 -200/-300	A300/A310	B767 -200/-300	B767 -400	DC-10/MD-11	A330 -200/-300/-800/-900 & 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



ENGINE CUMMINS

	EU STAGE IIIA QSL9 Inline 6, US TIER 3	EU STAGE IV QSL9 Inline 6, US TIER 4f	EU STAGE V QSL9 Inline 6
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)*
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TRACTIVE FORCE

+ Automatic adaption to NLG limits up to 120 kN
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TRANSMISSION

+ 4x2 closed Loop hydrostatic drive system
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AXLES

+ Kessler driven front steering axle with planetary drives in the wheel hubs and differential lock	+ BPW rear wheel hubs
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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
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ELECTRIC SYSTEM

+ Alternator 24 V/120 A	+ Battery capacity 2x12 V/154 Ah
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CABIN

+ 2 men cabin	+ 180° turning seat and cockpit
+ Mechanical parallelogram suspension	



OPTIONS EXAMPLES

+ Cabin lowering	+ GPU (90kVA)*
+ Air conditioning	+ Hydro-pneumatic parallelogram suspension
+ Auto-lube	+ Onboard lifting jacks
+ Winter-kit	

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

GOLDHOFER AIRPORT TECHNOLOGY

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