

»PHOENIX« AST-2P/X TECHNICAL DATA



4TH GENERATION:

Using latest technologies based on more than 30 years of experience 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	Comac C919
AIRCRAFT RANGE	• ^{[1] [2]}	•	•	•	•	• ^{[1] [2]}	• ^{[1] [2]}	•	•	•	•	•	•	•	•	•	•	•	•
DEADWEIGHT	+ approx. 16.1 t									+ 18.5 t (with ERJ or/and GPU) ^[1]									
MTOW	+ 352 t																		
LIFTING CAPACITY	+ 375 kN																		

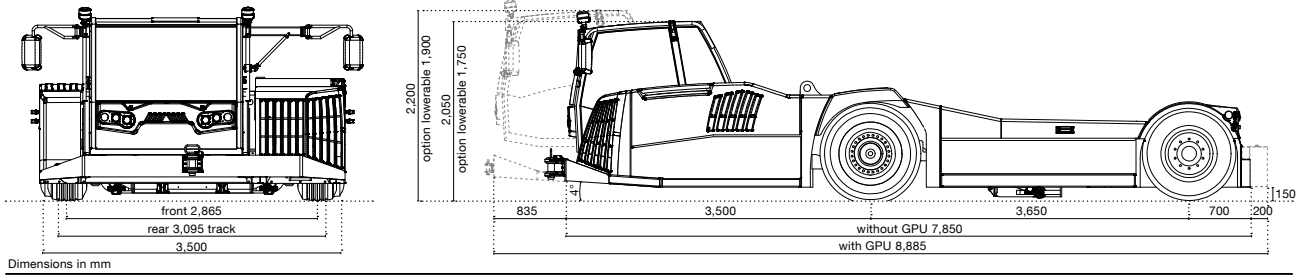
^[1] Specific vehicle configuration necessary for this aircraft

^[2] with ERJ or/and GPU, vehicle length 8,885 mm






FIND OUT MORE
»PHOENIX« AST-2P/X

MADE FOR YOUR MISSION



Dimensions in mm

	EU STAGE IIIA US TIER 3 Inline 6	EU STAGE IV US TIER 4F Inline 6	EU STAGE V US TIER 4F Inline 6
 ENGINE CUMMINS	AST-2P up to 25 km/h	QSL9 Type C310 227 kW	QSL9 Type C310 231 kW
	AST-2X up to 32 km/h	Type C365 272 kW	Type C380 283 kW
 TURNING RADIUS	+ 9,650 mm	+ 10,280 mm (with ERJ or/and GPU) ^[2]	
	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			
STEERING SYSTEM		+ Emergency steering supply by accumulator	
TIRES		+ Rear axle R22.5 2x385/65	
BRAKES + 2 circuit disk brakes at front axle + 3rd circuit at drum brakes rear axle			
HYDRAULIC SYSTEM		+ Cabin-lift and jacks	
ELECTRIC SYSTEM		+ Battery capacity 2x12 V/154 Ah	
CABIN		+ 180° turning seat and cockpit	
 OPTIONS EXAMPLES	+ Cabin lowering		+ Hydro-pneumatic parallelogram cabin suspension
	+ Air conditioning		+ Onboard lifting jacks
	+ Auto-lube		+ And many more
	+ Winter-kit		
	+ GPU (90 kVA) ^[2]		

^[2] with ERJ or/and GPU, vehicle length 8,885 mm

GOLDHOFER AKTIENGESELLSCHAFT

Donaustrasse 95, 87700 Memmingen/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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