

LEKTRO

Model AP8850SDA-M AIRCRAFT POSITIONER

1190 S.E. Flightline Drive, Warrenton, Oregon 97146-9692

1-800-535-8767 • 503-861-2288 • Fax 503-861-2283

E-mail: sales@lektro.com

http://www.lektro.com

FOR AIRCRAFT UP TO 120,000 LBS/54,432 KG



AP8850SDA-M FEATURES:

Vehicle Drive: Heavy-duty 11 inch frame, 72-volt D.C. Traction Motor coupled direct to drive wheels through high efficiency gearing.

Motor Speed Control: State of the art General Electric EV-200 LXT Electronic Speed Control with on-board trouble shooting diagnostics. Speed controlled by Foot Throttle.

Batteries: Two 36 VDC industrial, 550 ampere hour Batteries wired in series with Single Point Watering System.

G.P.U.: Built-in 12/24/28 volt, 1175 cold cranking ampere output capability with independent batteries and charging system, optional.

Motive Battery Charger: Fully automatic 100 ampere, 220-volt, 3-Phase Motive Charger. 50 hz, optional.

Nose Gear Lift Cradle: Lektro's patented Universal Nose Gear Lift Cradle is activated by an Electric/Hydraulic pump assembly with dual cylinders, and is capable of handling dual and single wheel aircraft. A hold-down provision for light-nosed aircraft is standard.

Winch: Heavy-duty Hydraulic Winch with automatic safety cut-off. Winch Strap and universal Strut Straps included.

Steering: Electric/Hydraulic Power Steering controlled through automotive-type tilt wheel requiring minimal effort with very responsive steering action. Adjustable timer shuts down steering motor when tug is not in use, increasing battery shift life.

Service Brakes: Foot operated dual independent hydraulic disc-type Service Brakes utilizing the final wheel drive gearing to achieve maximum braking with minimal brake pedal effort.

Parking Brake: Hand activated, industry standard, "yellow diamond" push/pull electric/hydraulic Parking Brake, coupled to brake discs on final drive.

Front Drive Tires: Single 23 x 10 x 12 18-ply Poly-foam filled Pneumatic Traction Drive Tires with Siping. Chains optional for slippery conditions.

Rear Steering Tires: 18 x 7 x 8 Semi-Pneumatic Traction Steer Tires mounted to a fully suspended steer axle.

Lighting: Dual Forward and Aft Headlights, independently activated. Six flashing amber Running Lights positioned around tug to illuminate sides and top. Amber Strobe Light mounted center rear.

Seating: Operator and passenger seating with dual facing helms, constructed of industrial grade, weather resistant materials including armrests and seat belt. Operator's seat features a fully suspended, adjustable setting for height, for/aft and weight. Operator's cab with heater, defroster, and windshield wipers, optional.

Construction: Welded steel plate and polymers preserved by primer and automotive high-gloss red or white enamel paint and a special protective "Linex" coating applied to decks, fenders, side and battery compartments to prevent rust, scratches and corrosion. Custom colors optional.

Pintle Towing Hook, standard.

SPECIFICATIONS:

Length.....	223 in / 566 cm
Width	82 in / 209 cm
Height (At lowest steering tilt setting)	37 in / 94 cm
Turning Radius	180 in / 457 cm
Wheel Base	92 in / 234 cm
Vehicle Speed, Empty	9 m.p.h. / 14.5 kph
Vehicle Speed, Loaded (To Max. Vehicle Capacity)	4 m.p.h. / 6.4 kph
**Lift Cradle Capacity	12,000 lbs/5443 kg
Nose Gear Cradle Lifting Height.....	9 in / 23 cm
Ground Clearance	5 in / 12.7 cm
Chassis Weight w/o Batteries & Charger	5640 lbs / 2558 kg
Chassis Weight w/ Motive Batteries & Charger	9370 lbs / 4250 kg
Chassis Weight w/ Motive & GPU Batteries & Charger.....	9800 lbs / 4445kg

**Lift Capacity is calculated with 20 in / 51 cm diameter aircraft tire in lift cradle. Aircraft tire center line at 23 in / 58 cm from drive tire center line.

ADDITIONAL OPTIONS:

Specialized Aircraft Towing Adapters and Custom Highlift Adapters are available (consult factory).

PATENT Nos. 5,261,778/5,302,075. Other Patents Pending.

11/07

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