

LEKTRO

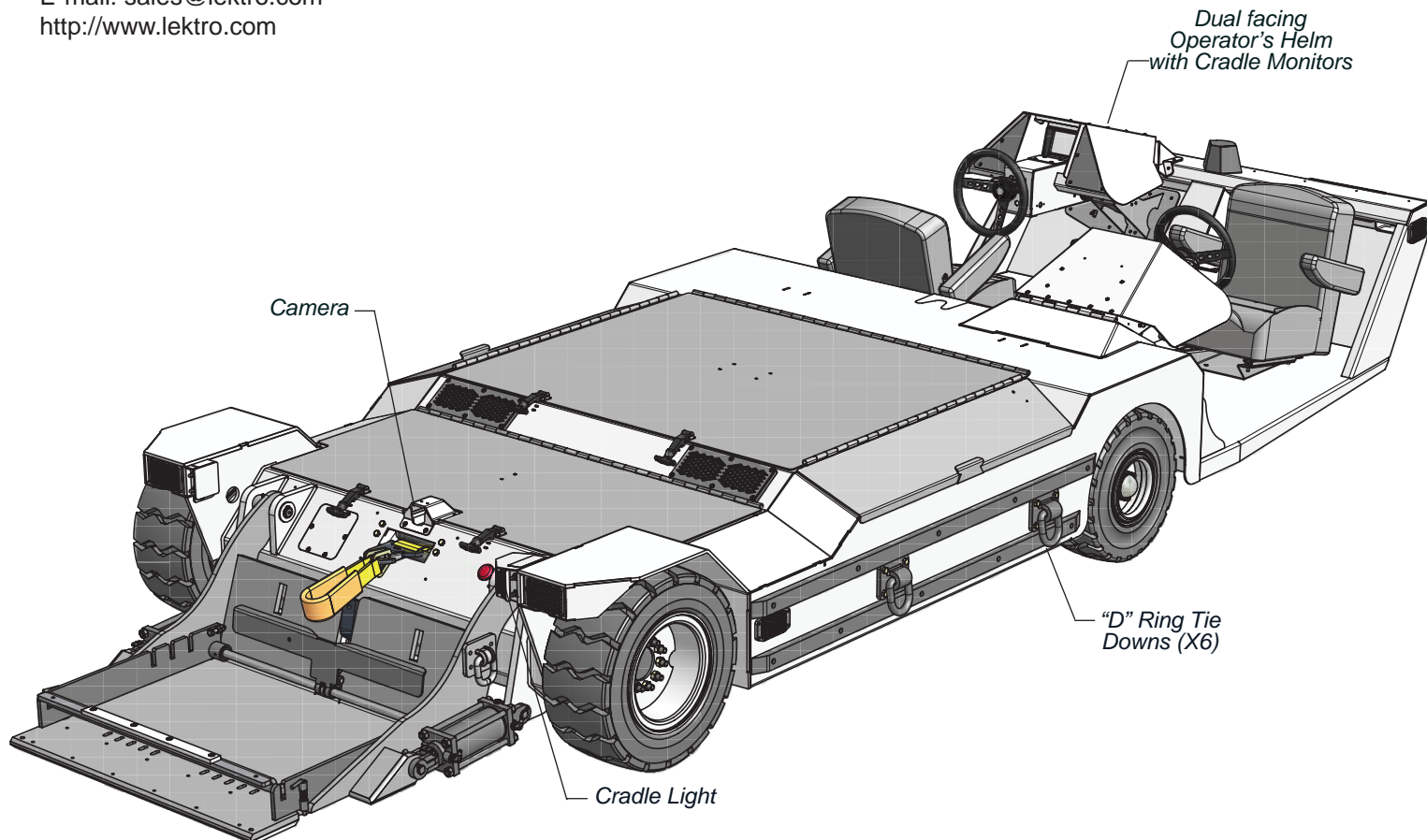
Model AP8850SDA-M AIRCRAFT TOWING VEHICLE FOR AIRCRAFT UP TO 120,000 LBS/54,432 KG

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



AP8850SDA-M FEATURES:

Vehicle Drive: 45.3 HP / 33.8 kW, 72 VDC Traction Motor coupled direct to drive wheels through high efficiency gearing.

Motor Speed Control: EV-200 LXT Electronic Speed Control with on-board trouble shooting diagnostics. Speed controlled by Foot Throttle.

Batteries: Two 36 VDC industrial, 550 AMP-HR Batteries wired in series with Single Point Watering System.

GPU: Built-in 12/24/28 VDC, 1175 CCA output capability with independent batteries and charging system, optional.

Motive Battery Charger: Fully automatic 100 AMP, 208-480 VAC, 3-PH 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, 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. Four flashing amber Running Lights positioned around tug to illuminate sides and top. Amber Strobe Light mounted center rear. Cradle Light illuminates Aircraft Interface area. Front and rear mounted turn signal and brake lights.

Camera and Monitor: Camera at Aircraft Interface area, and Color Monitors at operator Instrument Panels, standard.

Seating: Low Profile Operator and passenger seating with dual facing helms, constructed of industrial grade, weather resistant materials including armrests and seat belt. Operator's seat features adjustable for/aft setting. 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 Polyurethane coating applied to decks, fenders, side and battery compartments to prevent rust, scratches and corrosion. Custom colors optional.

Aircraft Towing Vehicle Transport: Steer Axle with hydraulic lift and extended lift cradle for ramp loading. Six "D" Rings and rear pintle hook standard for transport tie down.

SPECIFICATIONS:

Length.....	223.4 in / 567.5 cm
Width	84.5 in / 214.7 cm
Height (At lowest steering tilt setting)	35.5 in / 9.2 cm
Turning Radius	204 in / 518 cm
Wheel Base	92 in / 234 cm
Vehicle Speed, Empty	9 MPH / 14.5 KPH
Vehicle Speed, Loaded (To Max. Vehicle Capacity)	4 MPH / 6.4 KPH
**Lift Cradle Capacity	12,000 LBS/5443 KG
Nose Gear Cradle Lifting Height.....	16 in / 40.6 cm
Ground Clearance	5 in / 12.7 cm
Chassis Weight w/o Batteries & Charger	5990 LBS / 2717 KG
Chassis Weight w/ Motive Batteries & Charger.....	9960 LBS / 4518 KG
Chassis Weight w/ Motive & GPU Batteries & Charger...	10,310 LBS/4677 KG

**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.

09/10

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