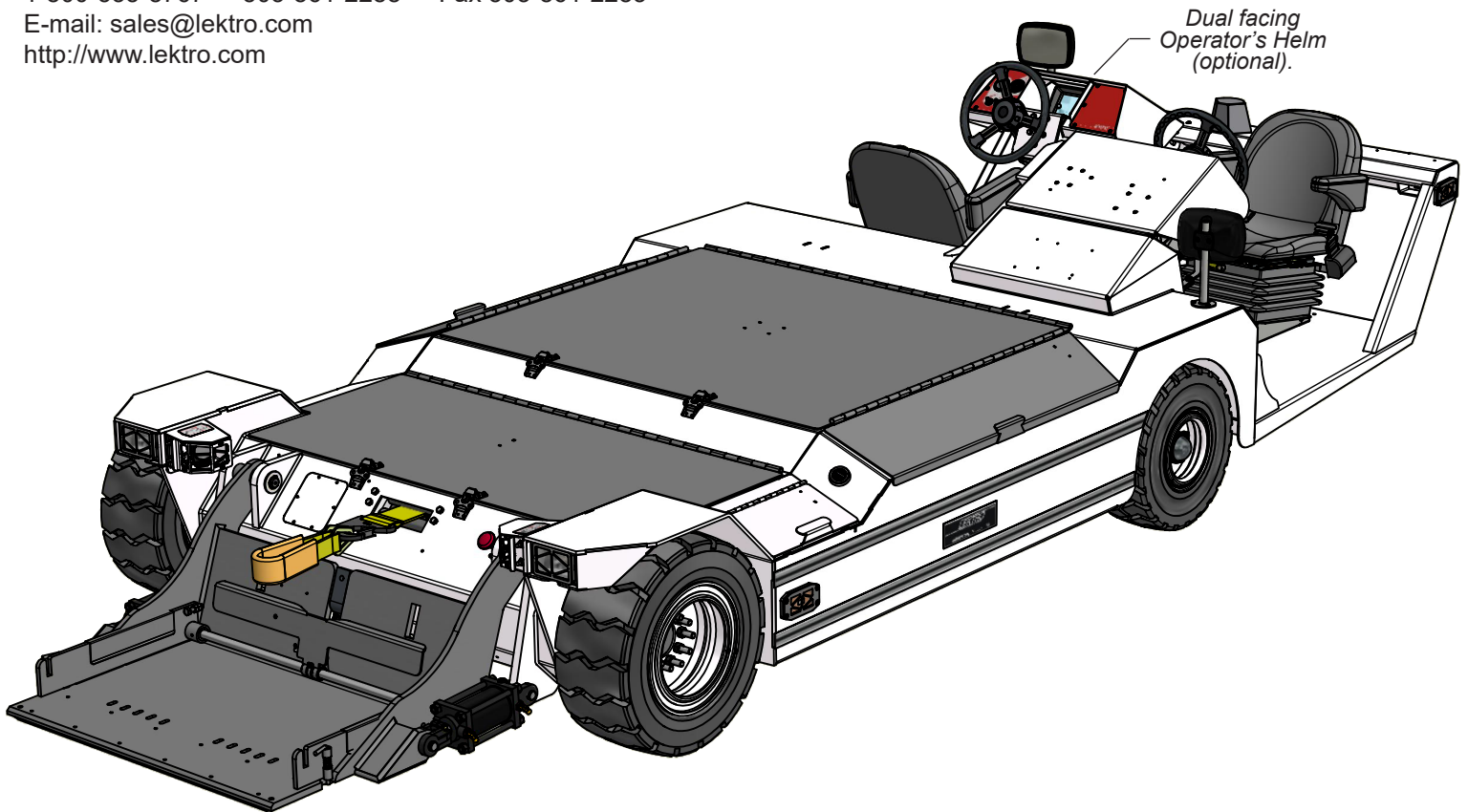


# LEKTRO

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



### AP8850SDA FEATURES:

**Vehicle Drive:** 45.3 HP/33.8 kW, 72 VDC Traction Motor mated with Auburn/Dana 44 Differential.

**Motor Speed Control:** EVT1000LV IGBT with On-Board Diagnostics. Speed controlled by Foot Throttle.

**Batteries:** Two 36 VDC Industrial, 440 AMP-HR Batteries (6 hr rate), wired in series. 550 AH, 750 AH and Single Point Watering System, optional.

**GPU:** Built-in Independent 12/24/28 VDC / 1175 CCA Batteries and Charging System, optional.

**Motive Battery Charger:** External Fully Automatic 80 AMP DC / 208-480 VAC / 50-60 Hz / 3-PH Charger. 1-PH (Qty. 2), 45 AMP DC, optional.

**Nose Gear Lift Cradle:** Patented Universal Nose Gear Lift Cradle activated by an Electric/Hydraulic Pump Assembly capable of handling dual and single wheel aircraft, and a Hold Down provision for light-nosed aircraft. Aircraft Selection System and Patented Torque Sensing Turntable Cradle Deck, optional.

**Winch:** Heavy-duty Hydraulic Winch with Automatic Safety Cut-Off. Winch and Strut Straps included.

**Steering:** Electric/Hydraulic Power Steering controlled through Automotive-type Tilt Wheel requiring minimal effort with very responsive steering action. Automatic Timer turns off power when tug not in use, increasing battery shift life.

**Service Brakes:** Foot Operated Hydraulic Disc-Type Service Brakes utilizing the final Wheel Drive Gearing to achieve maximum braking with minimal effort.

**Parking Brake:** Hand activated Electric Switch controlling Spring Applied/Hydraulic Released Calipers mounted on each Service Brake Disc.

**Drive Tires:** Single 23 x 10 x 12 18-ply Pneumatic Traction Tread. Siping, Solid-Pneumatic Tires, Tire Socks and Chains, optional.

**Steer Tires:** 21 x 8-9 Solid-Pneumatic Traction Tread mounted to a Fully Suspended Steer Axle.

**Lighting:** Dual LED Headlights with Guards at Cradle & Operator Ends of Tug, Four Flashing Amber LED Running Lights, Amber Strobe Light at Operator End and Cradle Illumination Light. LED Brake Lights/Turn Signals, optional.

**Operator's Compartment:** Operator and Passenger Seats, Facing Cradle End of Tug, Premium Grade including Armrests (Available in Black or Light Gray). Operator's Seat features a Fully Suspended, Adjustable setting for height, fore/aft and weight. Seat Belts, Dual Facing Operator's Helm and Cab with Heater, Defroster, and Windshield Wipers, optional.

**Camera and Monitors:** Camera at Aircraft Interface Area, with Color Monitors at "A" and "B" Station, optional.

**Construction:** Welded Steel Plate and Polymers preserved by Primer and Automotive High-Gloss Red or White Enamel Paint with special protective Polyurethane Coating to prevent rust, scratches and corrosion. Steel Side Rub Rails and Custom colors, optional.

### SPECIFICATIONS:

Length .....	208.2 in / 528.9 cm
Width .....	80.7 in / 205.1 cm
Height (At lowest steering tilt setting) .....	38.9 in / 98.8 cm
Turning Radius .....	180 in / 457 cm
Wheel Base .....	92.1 in / 234.0 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 .....	9 in / 23 cm
Ground Clearance .....	5 in / 12.7 cm
Shipping Weight w/o Batteries & Charger .....	5330 LBS / 2418 KG
Shipping Weight w/ Motive Batteries & Charger .....	9300 LBS / 4218 KG
Shipping Weight w/ Motive & GPU Batteries & Charger .....	9650 LBS / 4377 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:

Draw Bar Pin, Specialized Aircraft Towing Adapters and Custom Highlift Adapters are available (consult factory). Illustration may show some optional equipment.

\*LEKTRO reserves the right to make changes and improvements in products and specifications without notice or obligation.

PATENT Nos. 5,151,003 / 5,302,075 / 9,067,691.

Other Patents Pending.

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