

# LEKTRO

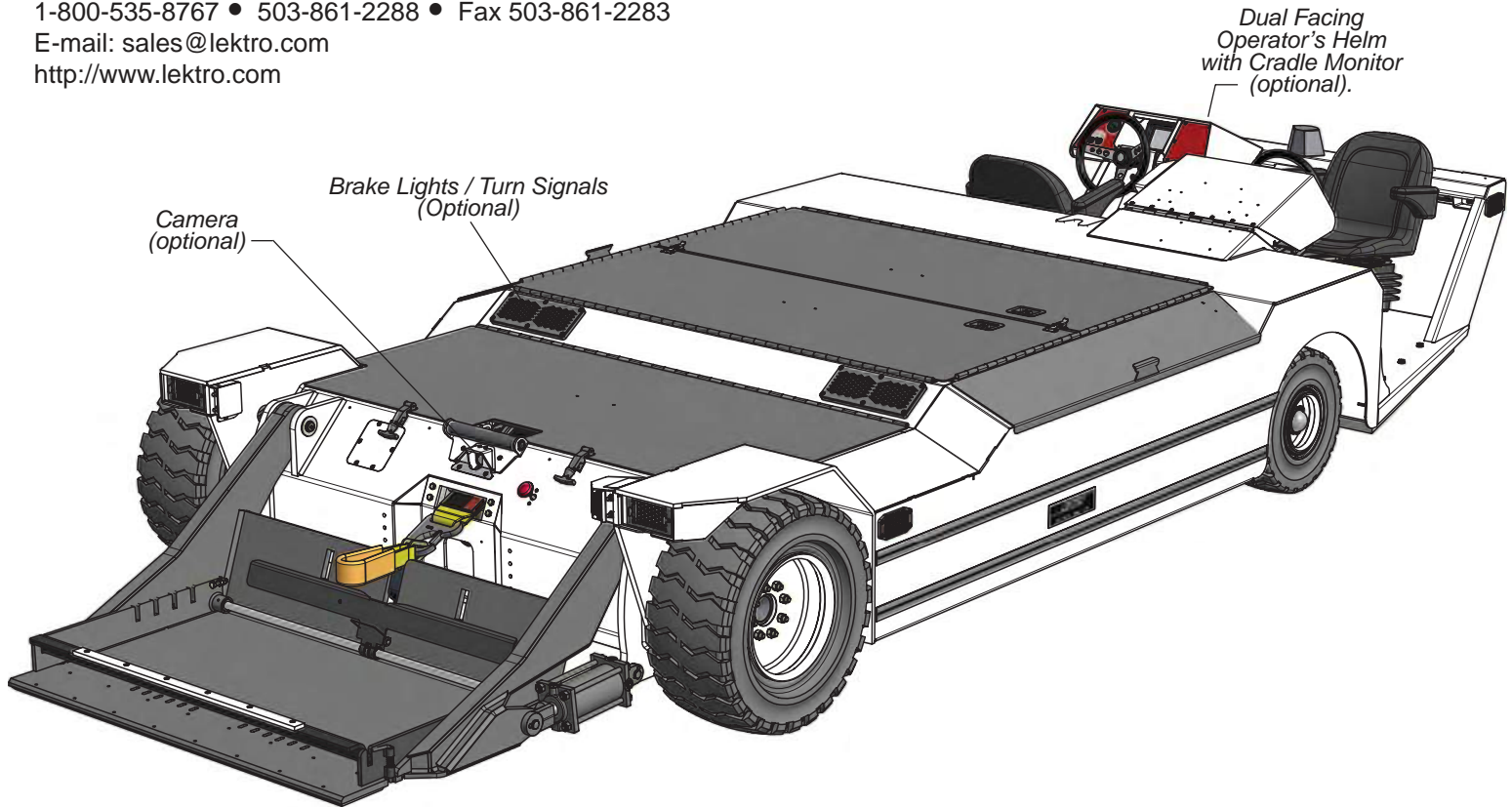
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## Model **AP8950SDB** AIRCRAFT TOWING VEHICLE FOR AIRCRAFT UP TO 180,000 LBS/81,648 KG



### AP8950SDB FEATURES:

**Vehicle Drive:** 58.3 HP/45.5 kW, 80 VDC Traction Motor mated with Dana 44 Differential.

**Motor Speed Control:** EV-200 LX SCR with On-Board Diagnostics. Speed controlled by Foot Throttle.

**Batteries:** Dual set of two 40 VDC Industrial, 595 AMP-HR Batteries (6 hr rate), wired in series-parallel. 680 AH and Single Point Watering System, optional.

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

**Motive Battery Chargers:** Two external Fully Automatic 115 AMP DC / 208-480 VAC / 60 Hz / 3-PH Chargers. 120 AMP and/or 50 Hz, 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. 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. Simple Double Ended Cylinder Steering Axle with Tapered Roller Bearing Kingpins.

**Service Brakes:** Foot Operated Power Hydraulic Disc-Type Service Brakes mounted on the input to each 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 28 x 12.5-15 Semi-Pneumatic Traction Tread with Siping. Chains, optional.

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

**Lighting:** Dual Forward and Aft Headlights, Four Flashing Amber Running Lights and Amber Strobe Light mounted Center Rear. Brake Lights/Turn Signals and LED Bulbs, optional.

**Operator's Compartment:** Operator and Passenger Seats, Forward Facing, Premium Grade, Molded Polyurethane including Armrests. 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. Custom colors, optional.

### SPECIFICATIONS:

Length .....	242.5 in / 616.0 cm
Width .....	99.8 in / 253.6 cm
Height (At lowest steering tilt setting) .....	38.9 in / 98.8 cm
Turning Radius .....	209 in / 531 cm
Wheel Base .....	115.3 in / 292.8 cm
Vehicle Speed, Empty .....	7.5 MPH / 12 KPH
Vehicle Speed, Loaded (To max. Vehicle Capacity) .....	4 MPH / 6.44 KPH
**Lift Cradle Capacity .....	18,000 LBS / 8165 KG
Nose Gear Cradle Lifting Height .....	11 in / 28 cm
Ground Clearance .....	5 in / 12.7 cm
Shipping Weight w/o Batteries & Chargers .....	9000 LBS / 4082 KG
Shipping Weight w/ Motive Batteries & Chargers .....	18,000 LBS / 8165 KG
Shipping Weight w/ Motive & GPU Batteries & Chargers ..	18,350 LBS / 8323 KG

\*\*Lift Capacity is calculated with 30 in / 76.2 cm diameter aircraft tire in lift cradle. Aircraft tire center line at 26 in / 66 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. 5,261,778/5,302,075. Other Patents Pending.

02/13

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