



■ Ground Support Equipment
Products Catalog



11175 West Emerald
Boise, Idaho, 83713 USA

Phone: 208-378-9888
Fax: 208-378-9889

Email: sales@aerospecialties.com
Website: www.aerospecialties.com

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Our Customers Say...

"My first experience using AERO Specialties was great! Rebuilding after Hurricane Katrina was so chaotic, and AERO took the initiative to help us. They showed me what we ordered in the past, and what we would need to get back in business. They didn't take advantage and fully explained everything. I won't hesitate to call AERO for anything else and would recommend them to anyone. Thanks for making my job easier!"

– Sarah Simonton, Marketing Coordinator,
Million Air AVL/CMH/LUK/MDW/NEW

"AERO Specialties ALWAYS comes through for us. Whether it's finding a new pushback for quick delivery, repairing damaged GSE, or getting us the best tow bars available, AERO always delivers. They stand behind their products in ways most companies simply can't touch."

– Matthew P. Olans,
GSE Logistics Manager, Mesa Airlines

"AERO Specialties has been Million Air SLC's preferred equipment vendor for over 10 years, and they have done a lot of great things for us. Most recently, I contacted AERO the day before the Sundance Film Festival with a huge problem: I was drastically short of aircraft chocks to handle the jets coming to the festival. Matt contacted me within an hour to confirm that my 45 pairs of chocks would arrive in Salt Lake City the next morning. Sure enough, they did."

– Mike McCarty,
FBO Manager, Million Air SLC



Shop online at
www.aerospecialties.com

Selected photos in this catalog were taken at  WESTERN AIRCRAFT
Located in Boise, Idaho, Western Aircraft is the largest aviation services company in the Northwest. The company operates as a full-service FBO, FAA-certified Class IV repair station, and a worldwide Parts distributor. In addition, the company operates WestAir Charter, with a fleet of Pilatus PC-12s, and is the authorized Pilatus and ATG dealer serving the Northwest.

AERO Specialties Overview

AERO is the premier single-source GSE supplier. We manufacture our own equipment, are authorized distributors of other manufacturers' equipment, and refurbish GSE at our facility in Boise, Idaho. This unique combination of specialties makes AERO the best solution provider for FBOs, regional airlines, corporate flight departments, and general aviation operators worldwide. We can tailor equipment packages combining AERO's products with other manufacturers' to suit any application and budget. But more than simply supplying a vast range of GSE, AERO takes pride in providing intelligent solutions to customers' equipment problems. And our after-sale service and support makes sure that our customers come back. From the ground up, AERO Specialties is here for you.



Company Credentials: We Know GSE

- 100 years combined hands-on & ramp-side GSE experience
- 50 years combined manufacturing experience
- Certified A&P mechanics, welders, & turbine specialists
- Hobart GPU School graduates

Products We Manufacture

- Lavatory Service Carts
- Potable Water Service Carts
- Cleaning Carts
- Lavatory & Potable Water Fittings
- Oxygen & Nitrogen Servicing Carts
- Oxygen & Nitrogen Regulators
- Aircraft Towbars & Heads

Brands We Carry (selected list; others available)

- | | |
|--------------------------------------|-------------|
| • Eagle Tugs (exclusive distributor) | • Start Pac |
| • Brackett | • Stinar |
| • Clyde | • TLD |
| • Coldbuster | • Tug |
| • Hobart | • Unitron |
| • Interface Devices | • WASP |
| • Premier | |

Lav & Potable Water



Our low-profile RJ-Series lav and water carts employ similar design features and share nearly all components. Corrosion-free tanks, insulated enclosures, and over-built galvanized chassis create unprecedented durability in aircraft service carts. Simple to use, easy to maintain, and cost-effective for the long run: the RJ-Series lav & water carts continue AERO's tradition of producing top-quality GSE at affordable prices. All of our carts come complete with all hoses and couplers, an operation manual, and a 1-year warranty. All parts are available for quick replacement through our online store or by phone.

CE marked lav & water carts are available.

RJ Series Lav & Water Carts



RJ1:

- Tank capacities: 63 gallons (lav), 40, 60, or 80 gallons (water)
- 12-volt electric pump system (110v or 220v input)
- Application: General Aviation through Regional Jets



RJ2:

- Tank capacity: 180 gallons (lav: 110 waste/70 fill)
- 12-volt electric or gas pump system (110v or 220v input)
- Application: General Aviation through narrowbody aircraft



RJ3:

- Tank capacities: 270 gallons (lav: 170 waste/100 fill)
- 12-volt electric or gas pump system (110v or 220v input)
- Application: Regional jets through wide body aircraft

Other Lav Models



LC60:

- 35 gallons waste/28 gallons fill
- Compact & lightweight yet durable
- Hand pump with drain-back valve



LC100:

- 68 gallons waste/36 gallons fill
- 12-volt electric or hand pump
- Poly tanks, powdercoated chassis



LC270-Insert:

- 170 gallons waste/100 gallons fill
- 12-volt electric or gas pump
- Stainless steel tanks in insulated shell

Other Water Models



WC30:

- 30-gallon stainless steel tank
- 12-volt electric or hand pump
- Application: Corporate or FBO



WC100:

- 100-gallon stainless steel tank
- 12-volt electric or hand pump
- Application: Corporate, FBO, Regionals



WC270-Insert:

- 270-gallon stainless tank system
- Stainless steel tanks in insulated shell
- 12-volt electric or gas pump

Lav Carts

■ LC60 Lavatory Cart

We designed the LC60 Lavatory Service Cart especially for corporate and FBO applications. This durable little lav cart fits through a commercial doorway (no need to open the hangar door just to take the cart to the emptying station!). The LC60 comes with all equipment required to service any aircraft lavatory - just add the blue juice and go!

Features

- 35 gallon waste, 28 gallon fill/flush tanks
- Rotationally molded cross-link polyethylene, UV-protected translucent tanks
- Visible fluid levels in both tanks
- Heavy-duty, galvanized steel chassis & towbar
- Heavy-duty hand pump for filling aircraft with blue juice (4 strokes per gallon)
- Low profile, 19-inch inlet height handles all corporate jets
- 7-foot waste hose with GA coupler included
- 10-foot fill hose with AERO Specialties fill coupler and plug included
- Gravity waste dump - requires no waste pump (meets FDA standards)
- 10-foot sealed waste outlet hose included
- Hand- or truck-towable (light duty towing)
- Molded-in decals won't rub off or fade
- Light weight makes shipping inexpensive!
- Shipping Dimensions: L: 45" W: 40" H: 31"
Weight: 115 lbs.
- CE approved & marked



LC60 servicing BBJ in Dar Es Salaam, Tanzania



"The LC60 paid for itself in the first month we owned it. We couldn't have stayed in business without it: aircraft landed at our FBO because they knew we could service their lavatories, and before we had the LC60 they landed elsewhere. Being able to offer the quick lav service with the LC60 allowed us to service more aircraft than before, and allowed us to sell more fuel as a result. It's a great unit."

*James Hatsis, Oconee Air Service,
Greensboro, Georgia*

Lav Carts

■ LC60-RJ1

The LC60-RJ1 Lavatory Service Cart is built around AERO's popular LC60 tank system: interlocking, rotational-molded, cross-link polyethylene waste and fill tanks (35 and 28 gallons, respectively). The fill tank holds an immersion heater for insurance against frozen blue juice. The electric pump, waste valve, flow meter, and fill hose sit in the insulated, latch-lid rear compartment, while the 12V battery and charger are isolated from the tanks in a moisture-free, insulated compartment up front. A stow nipple holds the waste coupler and hose out of the way when not in use. An 8-inch waste tank lid on top of the unit allows for easy maintenance. The LC60-RJ1 - like all of AERO Specialties' lav and water carts - comes complete with all required hoses, couplers, and fittings.

Specifications

- 35-gallon waste tank, 28-gallon fill tank
- 25-inch inlet height
- Winterization and tank insulation standard
- Rust-proof tanks (polyethylene), enclosure system (aluminum), and chassis (galvanized steel)
- 12V DC electric pump system (4.5 gpm @ 40psi max) with on-board battery & 110-volt/60Hz AC charging system (220-volt/50Hz charger available)
- Gravity waste dump - requires no waste pump (meets FDA standards)
- Shipping Dimensions: L: 83" W: 45" H: 41"
Weight: 650 lbs.
- CE approved & marked



LC60-RJ





LC100



LC100E



LC100G

■ LC100/LC100E/LC100G

Our LC100 lavatory cart features rotationally molded polyethylene tanks on a heavy-duty powder-coated steel chassis with pneumatic running gear. The LC100 comes with either a hand pump (LC100), electric pump (LC100E), or gas pump (LC100G). As with all AERO Specialties lavatory carts, each of the LC100 models feature a gravity dump valve, in accordance with FDA standards.

Specifications (LC100):

- 68-gallon waste, 36-gallon fill/flush tanks
- Heavy-duty hand pump for fill fluid
- Gravity waste dump - requires no waste pump (meets FDA standards)
- Low profile 34" total height
- 19" inlet height
- Handles all corporate jets
- Fill water drain back and sealed waste hose storage
- Shipping Dimensions: L:93" W:45" H:34"
Weight: 600 lbs.

Specifications (LC100E):

- Same spec as LC100, plus:
- 12V DC electric pump system (4.5 gpm @ 40psi max) with on-board battery & 110-volt/60Hz AC charging system (220-volt/50Hz charger available)
- Backup hand pump
- Flow meter
- Shipping Dimensions: L:93" W:45" H:37"
Weight: 750 lbs.

Specifications (LC100G):

- Same spec as LC100E, except:
- Honda WX15 gas pump (12 GPM)

Lav Carts

■ LC180-RJ2

Designed for Major and Regional airlines and busy FBOs, the LC180-RJ2 is built to exceed commercial airlines' rigorous standards for ramp equipment durability. The LC180-RJ2 is built around AERO's stand-alone tank system housed in an insulated aluminum enclosure. An immersion heater in the fill tank prevents freezing, and the waste tank features easy access for flushing, with FDA-approved, pump-less gravity drain and closed waste valve. The components and fill hose sit in the insulated and heated rear compartment. A stow nipple holds the waste coupler and hose out of the way when not in use.

The LC180-RJ2 comes complete with all required hoses, couplers, and fittings.

Specifications

- Rotationally molded polyethylene 110-gallon waste & 70-gallon fill/flush tanks
- Insulated aluminum compartments
- 8,000 lb. capacity galvanized steel chassis with heavy-duty running gear
- Low-profile 26.5" waste inlet height
- Gravity dump - no waste pump required
- Electric pump system: 12V DC dual electric pump system (2 pumps x 4.5 gpm = 9 gpm @ 40psi max) with on-board battery & 110-volt/60Hz AC charging system (220-volt/50Hz charger available)
- Gas pump system: Honda GX160 electric start gas engine, Dayton brass centrifugal pump (35 gpm @ 40 psi)
- Manual flow meter, waste & fill couplers
- 12' waste & 15' fill hoses
- Winterization kit
- Shipping dimensions: Shipping dimensions: 115" x 64" x 41", 1240 lbs.
- CE approved and marked



LC180-RJ2





LC270-RJ3 servicing CRJ-700



Swivel inlet and waste hose secured in drip-tray



LC270-Insert servicing 737 in Alaska

■ LC270-RJ3 & LC270-Insert

Designed for Major and Regional airlines and busy FBOs, the LC270-RJ3 is built to exceed commercial airlines' rigorous standards for ramp equipment durability.

The LC270-RJ3 - like all of AERO Specialties' lav and water carts - comes complete with all required hoses, couplers, and fittings.

Specifications

- 170-gallon waste & 100-gallon 12-gauge stainless steel fill/flush tanks
- Insulated aluminum case and component compartments
- Grip-strut galvanized steel working deck
- 8,000 lb. capacity hot-dipped galvanized steel chassis with heavy-duty running gear
- Low-profile 39-inch waste inlet height
- Gravity dump - no waste pump required (note sloping tank)
- Stow nipple for waste coupler sits in self-draining drip tray: clean and safe
- Electric pump system: 12V DC dual electric pump system (2 pumps x 4.5 gpm = 9 gpm @ 40psi max) with on-board battery & 110-volt/60Hz AC charging system (220-volt/50Hz charger available)
- Gas pump system: Honda GX160 electric start gas engine, Dayton brass centrifugal pump (35 gpm @ 40 psi)
- Manual flow meter
- 12-foot waste & 15-foot fill hoses
- GA coupler
- Winterization kit
- Dimensions: 144" x 66" x 48", 1700 lbs.
- CE approved and marked

Water Carts

■ WC30 & WC30E

Our 30-gallon potable water carts offer durable and convenient water servicing in a compact package. Constructed of heavy-gauge stainless steel with high quality components, these hand-moveable units come complete with aircraft fill hose, coupler, and plug. The WC30 is the smallest and simplest unit, featuring a Guzzler 2600 hand pump, while the WC30E utilizes an electric pump system with on-board battery and charger.

Specifications

- 12-gauge stainless steel tank
- WC30 pump system: Guzzler 2600 hand pump
- WC30E pump system: 12V DC electric pump (4.5 gpm @ 40 psi) with on-board battery & 110-volt/60Hz AC charging system (220-volt/50Hz charger available)
- Includes fill hoses and required fittings
- Designed to be filled with bottled water
- CE approved and marked

Options:

- Wall to cart fill kit: \$265

Shipping Dimensions:

- WC30: 45" L x 40" W x 27" H, 150 lbs.
- WC30E: 45" L x 40" W x 30" H, 250 lbs.



30-gallon potable water cart with hand pump



30-gallon cart with electric pump



RJ1 Potable Water Cart



Pump & components in insulated, sealed compartment



Battery & charger in insulated, sealed compartment

■ WC40-RJ1, WC60-RJ1, WC80-RJ1

The RJ1 Potable Water Carts feature the same primary components as the LC60-RJ. The water tank is constructed of 12-gauge stainless steel, and is available in 40-gallon, 60-gallon, and 80-gallon. The tanks are fitted with FDA approved fill ports and screened vents, and are protected from freezing by the insulated aluminum enclosure and immersion heater. Options are available to meet any requirement. The RJ-Series potable water carts set the standard for quality in aircraft ground support equipment.

Specifications

- 40-, 60-, or 80-gallon stainless steel tank
- Winterization and tank insulation standard
- Rust-proof tank (12-gauge stainless steel), enclosure system (aluminum), and chassis (galvanized steel)
- Pump system: 12V DC electric pump (4.5 gpm @ 40psi max) with on-board battery & 110-volt/60Hz AC charging system (220-volt/50Hz charger available)
- Shipping Dimensions: L:83" W:45" H:41", 600 lbs.
- CE approved and marked

Water Carts

■ WC100E

Our WC100E offers high-quality, affordable potable water service capability in a compact package. Like all AERO Specialties water carts, the WC100E tank is constructed of the heaviest (12-gauge) stainless steel in the industry. Mounted firmly in a powder-coated steel chassis with heavy-duty pneumatic tires and wheels, the WC100E is powered by a 12-volt DC electric pump and includes an on-board battery and charger.

Specifications

- 100-gallon capacity
- 12-gauge, FDA-approved stainless steel tank system
- Pump system: 12V DC electric pump (4.5 gpm @ 40 psi) with on-board battery & 110 volt/60Hz AC charging system (220-volt/50Hz charger available)
- Includes all required hoses and fittings.
- Shipping dimensions: L:90" W:45" H:37", weight: 850 lbs.



WC100E potable water cart



RJ2 engine and pump compartments



WC180-RJ2 Potable Water Cart



WC180-RJ2

Designed for Major and Regional airlines and busy FBOs, the WC180-RJ2 is the "Medium" in AERO's Small-Medium-Large "RJ-Series" lav carts. Like the RJ and RJ3 Series, the RJ2 Series carts are built to exceed commercial airlines' rigorous standards for ramp equipment durability. The RJ-Series carts set the standard for quality in aircraft ground support equipment.

The WC180-RJ2 Potable Water Service Cart utilizes AERO's popular stand-alone tank system (it can be made into a driveable unit by bolting into a pickup bed). The FDA-approved 180-gallon water tank system includes an immersion heater to keep the water from freezing. The pump, flow meter, and fill hose sit in the insulated and heated rear compartment.

The WC180-RJ2 comes complete with all required hoses, couplers, and fittings.

Specifications

- 180-gallon, 12-gauge stainless steel tanks
- Insulated aluminum case and component compartments
- 8,000 lb. galvanized steel chassis with heavy-duty running gear
- Electric pump system: 12V DC dual electric pump system (2 pumps x 4.5 gpm = 9 gpm @ 40psi max) with on-board battery & 110-volt/60Hz AC charging system (220-volt/50Hz charger available)
- Gas pump system: Honda GX160 electric start gas engine, Dayton brass centrifugal pump (35 gpm @ 40 psi)
- Manual flow meter
- 15' fill hose with long-grip coupler and plug
- Winterization kit
- Shipping dimensions: 115" x 64" x 41", 1200 lbs.
- CE approved and marked

Water Carts

■ WC270-RJ3 & WC270-Insert

Designed for Major and Regional airlines and busy FBOs, the WC270-RJ3 is the "Large" in AERO's Small-Medium-Large "RJ-Series" water carts. Like the RJ and RJ2 Series, the RJ3 Series carts are built to exceed commercial airlines' rigorous standards for ramp equipment durability.

The WC270-RJ3 Potable Water Service Cart utilizes AERO's popular stand-alone WC270-Insert tank system. The FDA-approved 270-gallon water tank includes an immersion heater to keep the water from freezing. The pump, flow meter, and fill hose sit in the insulated and heated, split-lid rear compartment. The WC270-RJ3 - like all of AERO Specialties' lav and water carts - comes complete with all required hoses, couplers, and fittings.

Specifications

- 270-gallon 12-gauge stainless steel tank
- Insulated aluminum case and component compartments
- Grip-strut galvanized steel working deck
- 8,000 lb. galvanized chassis and heavy-duty running gear
- Electric pump system: 12V DC dual electric pump system (2 pumps x 4.5 gpm = 9 gpm @ 40psi max) with on-board battery & 110-volt/60Hz AC charging system (220-volt/50Hz charger available)
- Gas pump system: Honda GX160 electric start gas engine, Dayton brass centrifugal pump (35 gpm @ 40 psi)
- Includes manual flow meter, 15' hose, & long-grip coupler
- Winterization kit
- Shipping dimensions: 144" x 66" x 48", 1700 lbs.
- CE approved and marked



WC270-Insert mounted in truck bed



WC270-RJ3 Potable Water Cart



Specifications for WC270-Insert only:

- Same spec as trailer-mounted unit, but without the trailer. Shipping dimensions: 96" x 48" x 31", 1050 lbs.

Lav & Water Carts

■ Lavatory Cart Overview Chart

| Model | Tank Capacity (gallons) | | Pump Type | Inlet Height | Shipping Dimensions (inches) | | | Weight (lbs) | CE-mark |
|--------------|-------------------------|------|-----------------|--------------|------------------------------|-------|--------|--------------|---------|
| | Waste | Fill | | | Length | Width | Height | | |
| LC60 | 35 | 28 | Hand | 19" | 45 | 40 | 31 | 115 | Yes |
| LC60-RJ | 35 | 28 | Electric | 25" | 96 | 46 | 37 | 650 | Yes |
| LC100 | 65 | 35 | Hand | 19" | 93 | 45 | 34 | 600 | No |
| LC100E | 65 | 35 | Electric + hand | 19" | 93 | 45 | 37 | 750 | No |
| LC180-RJ2 | 110 | 70 | Gas or electric | 27" | 115 | 64 | 41 | 1240 | Yes |
| LC270-RJ3 | 170 | 100 | Gas or electric | 39" | 145 | 66 | 47 | 1800 | Yes |
| LC270-Insert | 170 | 100 | Gas or electric | 28" | 96 | 48 | 31 | 1050 | Yes |

All AERO Specialties lav and water carts come with an Operation Manual and a 12-month warranty. Parts support for all AERO Specialties products is available through our online store (www.aerospecialties.com), or by phone.

■ Potable Water Cart Overview Chart

| Model | Tank Capacity (gallons) | Pump Type | Shipping Dimensions (inches) | | | Weight (lbs) | CE-mark |
|--------------|-------------------------|-----------------|------------------------------|-------|--------|--------------|---------|
| | | | Length | Width | Height | | |
| WC30 | 30 | Hand | 45 | 40 | 27 | 150 | Yes |
| WC30E | 30 | Electric | 45 | 40 | 30 | 250 | Yes |
| WC40-RJ | 40 | Electric | 96 | 46 | 37 | 650 | Yes |
| WC-60RJ | 60 | Electric | 96 | 46 | 37 | 650 | Yes |
| WC80-RJ | 80 | Electric | 96 | 46 | 37 | 650 | Yes |
| WC100E | 100 | Electric | 93 | 45 | 37 | 850 | No |
| WC180-RJ2 | 180 | Gas or electric | 115 | 64 | 41 | 1240 | Yes |
| WC270-RJ3 | 270 | Gas or electric | 145 | 66 | 47 | 1800 | Yes |
| WC270-Insert | 270 | Gas or electric | 96 | 48 | 31 | 1000 | Yes |

The WC100E comes complete with an Operation Manual and a 12-month warranty. Parts support for all AERO Specialties products is available through our online store (www.aerospecialties.com), or by phone.

Lav & Water Carts

RJ-Series Comparison Chart

| Components & Features | RJ-1 Carts | RJ-2 Carts | RJ-3 Carts |
|--|--|--|--|
| Tank capacities: LAVATORY | 63 gallons total (239 liters) Waste: 35 gallon (133 liters) Fill: 28 gallon (106 liters) | 180 gallons total (682 liters) Waste: 110 gallon (417 liters) Fill: 70 gallon (265 liters) | 270 gallons total (1,023 liters) Waste: 170 gallon (645 liters) Fill: 100 gallon (379 liters) |
| Tank capacities: WATER | 40-80 gallons (152-303 liters) | 120-180 gallons (455-682 liters) | 270 gallons (1,023 liters) |
| Cart Dimensions & Weights | 96" L x 46" W x 37" H (244cm x 117cm x 94cm) 650 lbs (293kg) | 115" L x 64" W x 41" H (292cm x 163cm x 104cm) 1240 lbs (558kg) | 145" x 66" x 47" (368cm x 168cm x 120cm) 1800 lbs (810kg) |
| Waste Inlet Height (LAV only) | 25" (64cm) | 26.5" (67cm) | 38.5" (98cm) |
| Turning Angle | 220 degrees | 220 degrees | 220 degrees |
| Frame material | Fabricated steel, hot-dip galvanized | Fabricated steel, hot-dip galvanized | Fabricated steel, hot-dip galvanized |
| Frame Weight | 305 lbs (137kg) | 590 lbs (266kg) | 700 lbs (315kg) |
| Tank Enclosure Dimensions & Weights (stand-alone units: can be inserted in 3/4-ton pickup) | 62" L x 34" W x 26" H (158cm x 86cm x 66cm) 345 lbs (155kg) | 77" L x 48" W x 32" H (196cm x 122cm x 81cm) 750 lbs (338kg) | 96" L x 48" W x 31" H (244cm x 122cm x 78cm) 1050 lbs (473kg) |
| Tank & Enclosure Material | Tanks: rotationally molded polyethylene Enclosure: 1/8" aluminum with foam-core insulation | Tank: 12-gauge stainless steel Enclosure: 1/8" aluminum with foam-core insulation | Tank: 12-gauge stainless steel Enclosure: 1/8" aluminum with foam-core insulation; steel diamond-plate & grip-strut deck |
| Running Gear (wheels, tires, & spindles) | Wheel & tire: 4:80x8" pneumatic Forged hub: 4 lug on 4" centers rated @ 1600# each Bolt pattern: 4.5 x 8 x 3.25" Spindle: 1-1/4"x5" diameter spindles, 1144 cold rolled steel | Wheel & tire: 5:70x8" pneumatic Forged hub: 5 lug on 4.5" centers rated @ 2200# each Bolt pattern: 4.5 x 8 x 3.25" Spindle: 1-5/8"x9" diameter spindles, 1144 cold rolled steel | Wheel & tire: 5:70x8" pneumatic Forged hub: 5 lug on 4.5" centers rated @ 2200# each Bolt pattern: 4.5 x 8 x 3.25" Spindle: 1-5/8"x9" diameter spindles, 1144 cold rolled steel |
| Pump System (Electrical components are wired for 110-volt input) | Electric only: 12V DC pump, 4.5 GPM (17 LPM) Includes on-board battery & charger | Electric: 12V DC pump, 4.5 GPM (17 LPM), or Gas: Honda GX160 gas pump, 40 GPM (151 LMP) Includes on-board battery & charger | Electric: 12V DC pump, 4.5 GPM (17 LPM), or Gas: Honda GX160 gas pump, 40 GPM (151 LMP) Includes on-board battery & charger |
| Waste Valve (LAV only) | 4" closed waste (other options available) | 4" closed waste (other options available) | 4" closed waste (other options available) |
| Couplers & hoses: LAVATORY | 1" fill coupler with plug, 1" x 10' clear fill hose 4" GA coupler, 4" x 7' translucent blue thermoplastic waste hose with crush-proof nylon helix coil | 1" fill coupler with plug, 1" x 12' clear fill hose 4" GA coupler, 4" x 12' translucent blue thermoplastic waste hose with crush-proof nylon helix coil | 1" fill coupler with plug, 1" x 12' clear fill hose 4" GA coupler, 4" x 12' translucent blue thermoplastic waste hose with crush-proof nylon helix coil |
| Couplers & hoses: WATER | 3/4" fill coupler with plug, 3/4" x 10' clear fill hose | 3/4" fill coupler with plug, 3/4" x 10' clear fill hose | 3/4" fill coupler with plug, 3/4" x 10' clear fill hose |
| Winterization (cold weather protection) | Closed-cell foam insulation 120-volt, 1000watt immersion heater | Closed-cell foam insulation Immersion heater (120-volt,1000 watt) Pump compartment air heater (120-volt, 1200 watt) | Closed-cell foam insulation Immersion heater(120-volt,1000 watt) Pump compartment air heater (120-volt, 1200 watt) |

Oxygen & Nitrogen

Oxygen & Nitrogen Service



2-bottle system:

- Heavy-duty hand cart with hoses and regulator



3-bottle tilting cart:

- Complete systems available with hoses, regulators, and boosters
- Heavy-duty powder-coated steel trailer
- Simple, ergonomic design
- Minimal parts - easy to maintain



4-bottle system:

- Heavy-duty powder-coated trailer with hoses and regulators, and optional booster



AERO understands that oxygen, nitrogen, and hydraulic servicing of aircraft can be complex and time-consuming. Our equipment will simplify rather than complicate these important maintenance tasks. We manufacture our products with the same design principles as all of our equipment: durable, simple to use and maintain, and affordable.

All AERO Specialties Oxygen & Nitrogen equipment is CE marked



Hydraulic Equipment



We offer a wide range of hydraulic equipment for use on jets and turbo-props, including:

- Hydraulic Power Carts
- Hydraulic Oil Test Equipment
- Hydraulic Coupling Kits
- Oil Service Carts

Oxygen & Nitrogen

■ Oxygen & Nitrogen Carts

AERO Specialties offers complete oxygen servicing equipment for all aircraft applications. Our carts are constructed of powder-coated steel and feature heavy-duty components and running gear. Each model features simple, ergonomic design with positive bottle locks, heavy-duty pneumatic tires, and built-in regulator and booster mounts (3 & 4-bottle carts). All units are hand-towable, and the 3 & 4-bottle carts are tug-towable.

All AERO Specialties oxygen & nitrogen equipment comes with an Operation Manual and a 12-month warranty. Parts support for all AERO Specialties products is available through our online store, or by phone.

All AERO Specialties Oxygen & Nitrogen equipment is CE marked. 

Specifications

- Positive bottle lock system
- Heavy-duty pneumatic tires with locking towbar brake
- Heavy-duty, powder-coated steel
- Simple, ergonomic design
- Built-in regulator mounting panel
- Bottles & regulators not included
- 2-bottle cart dimensions: 18" x 30" x 45", 45 lbs.
- 3-bottle cart dimensions: W: 88" H: 79", 800 lbs.
- 4-bottle cart dimensions: 96" x 48" x 34", 600 lbs.



2-bottle hand cart with regulator & bottles



3-bottle tilting cart with regulator & booster



4-bottle hand cart with regulator & booster



4-bottle oxygen regulator mounted on cart with oxygen booster



3-bottle Lo-Hi Nitrogen regulator mounted on 3-bottle tilting cart with nitrogen booster

■ Oxygen & Nitrogen Regulators & Accessories

All AERO Specialties oxygen & nitrogen regulators equipment come with required placards, an operation manual, and calibration certificates for all gauges. We build all regulators in accordance with Compressed Gas Association standards. All items include a 12-month factory warranty. Parts support is available through our online store (www.aerospecialties.com), or by phone.

All AERO Specialties Oxygen & Nitrogen equipment is CE marked.



Oxygen Regulator Systems:

- Teflon-core, braided stainless steel hoses
- Certified, calibrated gauges
- 14,000psi burst pressure/3,000psi working pressure rated
- 1-bottle, 2-bottle, 3-bottle, and 4-bottle regulator systems

Nitrogen Regulator Systems:

- Durable non-metallic braided hoses
- Certified, calibrated gauges
- 5,000psi working pressure
- High pressure, Low pressure, and Low/High pressure regulators in 1-, 2-, 3-, and 4-bottle systems

Accessories

- Strut service valve adapters
- Nitrogen drive systems
- Tire and strut service gauges
- Tire pressure gauges
- Oxygen and Nitrogen service bottles (empty)

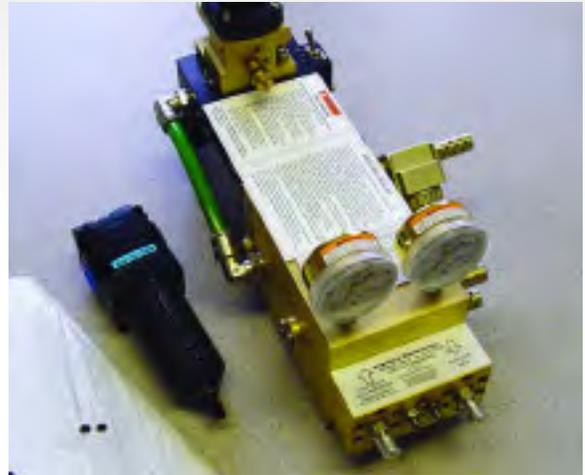
Oxygen & Nitrogen

■ Oxygen & Nitrogen Boosters

Gas bottles only supply enough gas until the system equalizes. Sometimes there may be 1000psig of unused gas. Don't give back the product you have already paid for. By using our oxygen and nitrogen boosters, gas bottles can now be pumped down as low as 200 psig. Cost savings on gas pays for the booster. Gas can be transferred to another low pressure bottle or directly into the aircraft. These units are designed to be mounted on a wall, bench or on a portable bottle cart, so they can be taken to the aircraft. The boosters operate by shop air or nitrogen (requires a separate nitrogen regulator), cycling automatically to boost low-pressure gas to high pressure. A regulator on inlet gas is required, at 3000psig maximum pressure. Each booster comes complete with calibration certificates for all gauges.

All AERO Specialties oxygen & nitrogen equipment comes with an operation manual, calibration certificates for all gauges, and a 12-month warranty. Parts support for all AERO Specialties products is available through our online store (www.aerospecialties.com), or by phone.

All AERO Specialties Oxygen & Nitrogen equipment is CE marked.



OB-30 oxygen booster



ENB-45 nitrogen booster

■ Oxygen Booster Features & Specs

- Oxygen wetted components are principally brass - the best material for oxygen service. All oxygen wetted parts have been cleaned per Spec. ARP 1176
- No inlet air valve, air regulator or air lubricator required
- Dual 5 micron filters, one each for oxygen in and out
- Integrated circuit design. No external tubing and fittings to leak
- Integral cut-in and cut-out pressure switches. Pump will not run if oxygen in-pressure is below 250 psi or oxygen out-pressure is above 2,400 psi.
- Polymeric seals and bearings for long life and high efficiency
- Totally sparkless operation
- Twin rod seals with vent between to atmosphere prevents air/oxygen migration
- Integral subplate mounted air regulator with pump on/off air toggle switch
- Input & output hoses required: stainless steel/Teflon 4-rated to 3,000 psi
- Booster output rating: 2,200 psig
- Oxygen booster ratio: 30:1
- Dimensions: 14" long x 9.4" high x 8.9" wide, 42 lbs.

■ Nitrogen Booster Features & Specs

- Output rating: Adjustable from 500 to 4500 psi.
- Nitrogen booster ratio: 45:1
- Pumps donor bottle down to 200 psig
- Portable, weighs less than 25 pounds
- Can be mounted on bottle cart or work bench
- Does not include regulators or AN816-6, 3/8" AN to 1/4" male pipe adapters (two required)
- Dimensions: 12.1" long, 9.4" high, and 10.8" wide, 24 lbs.

All AERO Specialties Oxygen & Nitrogen equipment is CE marked.



Towbars & Heads



AERO Specialties supplies complete towbar systems to corporate flight departments, FBOs, general aviation, cargo, and commercial airline customers worldwide. We manufacture multi-head towbars and heads to service small aircraft through the G550, as well as all regional jets and turboprops. All of our towbars are made of high-quality steel or aluminum, and feature powder-coated finishes and heavy-duty running gear and components. We maintain large stock levels of all heads, bars, and replacement parts, and provide the shortest lead times in the industry. All of our towbar equipment is priced and available for purchase on our secure online store.

All AERO Specialties towbars and heads are CE-marked.

Airline Towbars



We sell Clyde Machines airline towbars. Featuring both widebody multi-use and narrowbody multi-head towbars, these babies can move the entire range of commercial aircraft worldwide.

Universal Towbars



We proudly offer the Brackett Aircraft Universal Towbars, capable of moving all general aviation aircraft up through the King Air series (14,000 lbs.).

Regional & Corporate Aircraft



CE

Regional Heads

All of our regional aircraft heads include radial shear protection, stainless steel hardware, and robust 3/4" steel shanks for added protection. We manufacture heads for all regional jets and turboprops.



Corporate Heads

Like our regional heads, our corporate heads feature welded steel construction, positive-lock towbar attachment, radial shear protection, stainless steel hardware, and durable powder-coat finish.

CE



NEW Towing Products

NEW TB4-F



Features

- 150,000 lbs. (67,500kg) towing capacity
- 10-foot (PN: TB4-F-10) or 15-foot lengths (PN: TB4-F-15), or 10'+5' (PN: TB4-F-5+10)
- 4-inch O.D., thick-wall aluminum construction—much lighter than steel towbars
- Heavy-duty 6-bolt flanges with gussets and Grade 8 bolts
- Adjustable running gear—both laterally and vertically
- Vertical adjustment allows towbar to match nosegear attachment height without the use of expensive hydraulic lifts
- Solid rubber tires—no flats!
- 3" I.D. tug hitch ring with rotation limiter to prevent binding, with protective skid plate
- Simple maintenance and field-servicing



AERO's new TB4-F fixed-head towbar provides a simple solution to ramp operations needing dedicated towbars for specific aircraft. Any AERO Specialties head with radial shear protection can be bolted onto the towbar for dedicated operations. The TB4-F features excellent ergonomics, adjustable height running gear, and lengths of

10-feet and 15-feet (either 15' one-piece, 10' one piece, or 5' + 10' = 15'). Lightweight and constructed of corrosion-proof aluminum, the TB4-F is the perfect low-cost towbar solution for busy ramps serving a limited range of aircraft models, such as corporate hangars or regional airlines handling the ERJ-170/190.



NEW ERJ-170/190



Features

- Heavy-duty powder coated steel with stainless steel hardware
- Bottom-up attachment design prevents interference with nitrogen port on strut
- Positive locking latches in both open and closed positions
- Single operator design
- Part number etched in head for easy identification
- Bolt-on dedicated or multi-head shank with radial and linear shear protection

AERO Specialties ERJ-170/190 head features a smartly engineered latching mechanism that is simple and secure. Designed with AERO's well-known user-friendly ergonomics, a single operator can quickly and securely clip the stainless latches to the hard-to-reach nosegear of the ERJ-170/190 aircraft.

Towbar Systems

■ Business & Corporate Aircraft

All AERO Specialties business & corporate towbar heads are built on a 3-inch shank, fitting our TB1 and TB2.5 towbars (as well as other major manufacturers' multi-head towbars). For additional protection, many of our business and corporate towbar heads feature radial shear bolts to prevent damage to aircraft nose gear from excessive side loads while moving aircraft. Our TB3 towbar is required for the Gulfstream G5 and Bombardier Global Express, but with our Reducer can accept all towbar heads with a 3-inch shank.

All of our heads are constructed from CNC machined, powder coated steel, and assembled with stainless steel hardware. All AERO Specialties towbars and heads are interchangeable with other major manufacturers' systems, and are CE-marked.

We maintain high stock levels on all equipment, and can handle volume orders easily. Contact us for a quote, or see pricing & pictures of all equipment on our website.



TB1 towbar



G5 head with radial shear protection



TB3 with Reducer and Citation head

■ Regional Aircraft

The foundation of AERO Specialties' Regional system is our TB3-3R towbar. Rated at 125,000 lbs. towing capacity, this bar is built with the regional airlines in mind. Mesa, Horizon, Frontier, Skywest, and other regional carriers use our TB3-3R throughout their systems. The multi-head flexibility of our regional systems allows your busy ramp to work at its most efficient level, with all of our Regional towbars and heads fully interchangeable.

All AERO Specialties regional towbar heads are built on a 3-1/4" shank, requiring a 125,000 lb. towbar (TB3-3R). For additional protection, all regional heads feature radial shear bolts to prevent damage to aircraft nose gear from excessive side loads while moving aircraft.

All of our heads are constructed from CNC-machined, powder coated steel, and assembled with stainless steel hardware. All AERO Specialties towbars and heads are interchangeable with other major manufacturers' systems, and are CE-marked.

We maintain high stock levels on all equipment, and can handle volume orders easily. Contact us for a quote, or see pricing & pictures of all equipment on our website.

TB3-3R Features

- Linear shear protection with spring-loaded hitch-eye lunette assembly
- 3-1/4" I.D. opening
- 2 active & 4 spare shearbolts
- Powder-coated steel
- Solid rubber tires and industrial casters
- Simple maintenance and field-servicing



TB3-3R towbar

CE



ATR-42/72 towbar head

CE



Bombardier CRJ-700/900 towbar head

CE

Towbar Systems

Towbar Overview Charts

Corporate Towbar Comparison

| Multi-head Towbars | Aircraft application | Material | Linear Shear |
|--------------------|---|------------------------|--------------|
| TB1 (aluminum) | All aircraft under 60,000 lbs./27,240 kg | Powder coated aluminum | NO |
| TB2.5 (steel) | All aircraft under 75,000 lbs./34,050 kg | Powder coated steel | YES |
| TB3 (steel) | All aircraft under 125,000 lbs./56,750 kg | Powder coated steel | YES |

Regional Towbar Comparison

| Multi-head Towbars | Aircraft application | Material |
|--------------------|---|---|
| TB3-3R | All aircraft under 125,000 lbs./56,750 kg | Powder coated steel |
| TB4-F* | All aircraft under 125,000 lbs./56,750 kg | Powder coated aluminum, 10' or 15' length |

| Heads: Corporate | Application |
|------------------|--|
| BEC2 | Beech Kingair, 1900, Merlin II |
| BEC3 | Beechjet 400, Diamond, Premier |
| CGE | Bombardier Global Express |
| CL1R | Bombardier Challenger 600-series |
| CL3R | Bombardier Challenger 300 |
| CNA2 | Cessna Grand Caravan |
| CNA3 | Cessna Citation 1, 2, 5, Bravo, Ultra, Encore, and Learjet |
| CNA4 | Cessna Citation 3, 6, 7, 10, Excel, Sovereign |
| DASH 7 | De Havilland Dash 7 |
| ERJ145 | Embraer Legacy |
| FAL1 | Falcon 10/100 & 20/200 |
| FAL2 | Falcon 50, 900 & 2000 |
| FAL-7X | Falcon 7X |
| G100 | Gulfstream G100 & 150, Westwind, Astra |
| G4 | Gulfstream G2 through G4 |
| G5 | Gulfstream G2 through G5 |
| G200 | Gulfstream G200 and Galaxy |
| HS1 | Raytheon Hawker 125 & 400-800 |
| JET | Lockheed Jetstar |
| MU2 | Mitsubishi MU-2 |
| P180 | Piaggio P-180 Avanti |
| PC12 | Pilatus PC-12 |
| SBL | Rockwell Sabreliner |
| SMW1 | Fairchild Metro & Merlin |

| Heads: Regional | Application |
|-----------------|---|
| ATR-42/72 | ATR 42 & 72 Turboprops |
| BAE-146/AVRO | BAE-146 & Avro RJ 85 & 100 |
| CRJ3 | Bombardier CRJ 100 & 200 |
| CRJ7 | Bombardier CRJ 700 & 900 |
| D8-300 | Bombardier DASH 8-100/200, Q300 |
| D8-400 | Bombardier DASH 8 Q400 |
| EMB120 | Embraer EMB-120 Brasilia |
| ERJ145 | Embraer ERJ-135 & 145 |
| ERJ170* | Embraer ERJ-170 & 190 (requires TB4-F towbar) |
| JS-31/32 | British Aerospace Jetstream 31 & 32 |

GPUs



- Cummins turbocharged diesel engines (quiet & dependable!)
- AC power: 60-140 KVA
- DC power: 28.5 volt
- Dual output and combination units available
- CE & Emission certified



Solid State GPUs:

- Clean, quiet, reliable power
- AC power: 30-140 KVA, 400Hz
- DC power: 28.5 volt, 400/600 amps continuous, 1600/2000 peak amps, "soft start" mode
- Dual output and combination units available
- CE certified units available



StartPac 53350 Battery Packs

- DC output: 28.5 VDC, 350 amps
- AC input: 205-230 VAC (single phase), 50 amps minimum
- Protections: Over-voltage, over-temperature
- Forced-air cooled
- Continuous duty
- Working temperature: 20°-70° C
- Includes 50' input cable and 15' aircraft cable with molded head
- One-year warranty
- Physical dimensions: 44" L x 21" W x 24" H (48" H with upright handle)
- Crated dimensions (required for shipping): 48" x 42" x 30", 200 lbs.



Many other models available



AERO Specialties offers new, used, and refurbished GPUs of all types and sizes to meet any requirement. Whether you need AC, DC, or both, we can provide the best units for your needs at a reasonable price.

We proudly offer TLD engine-driven GPUs, which are the quietest and most durable machines available, made by the world's leading GSE manufacturer.

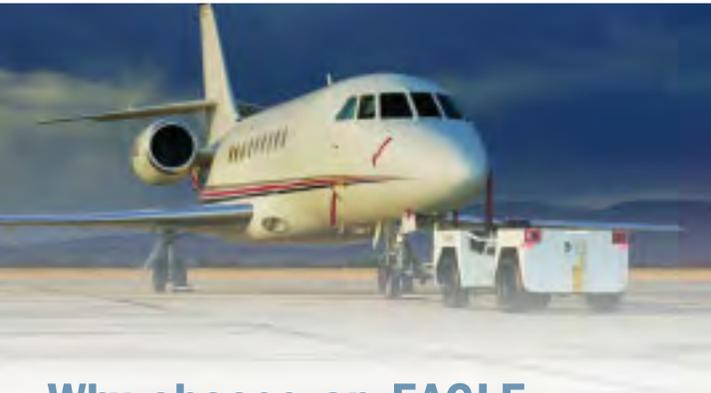
AERO is also a factory-authorized Unitron solid-state GPU distributor. With the best power-to-weight ratio and the most sophisticated controls, Unitron products are the clear choice for precise and safe aircraft power requirements.

For smaller and portable units, we proudly offer the StartPac line of battery packs.

Eagle Aircraft Tugs at a Glance



AERO Specialties is the exclusive
corporate and FBO distributor of Eagle Tugs



Why choose an EAGLE Aircraft Tug?

- Designed from the ground up for aircraft movement
- Compact, low-profile design with 8-inch step-in height
- Hitch sight tunnels - front & rear tow hitch visible while seated
- 50/50 weight distribution (AWD models) for superior traction
- Full-size tires all around provide a bigger footprint & better traction

Exceptional standard equipment on all models

- Power steering
- Hydraulic-boosted 4-wheel brakes
- Leaf-spring suspension front & rear
- Solid, one-piece welded steel plate chassis

All Wheel Drive systems (TT-8 - TT-12)

- Unparalleled all-weather stability & performance
- The only all-wheel-drive tractors in their weight class
- All Wheel Drive is available on TT-4 - TT-6
- Optional limited slip rear axles - not available on competing tractors

Quiet, clean & fuel-efficient engines

- Ramp-proven 4- & 6-cylinder fuel-injected industrial engines
- Fuel consumption 1-2 gallons/hr under heavy use
- Solid state ignition & governor systems
- Tier II compliance on all engines

Rugged Components

- Wiscon Tier II compliant industrial gas engines
- Isuzu industrial diesel engines: #1 manufacturer of small diesel engines, 5-year warranty standard
- Dana Axle Systems: #1 US industrial axle manufacturer

Easy to maintain

- Ergonomic engine/transmission access from top and sides
- No problematic carburetor or vacuum governors
- Simple and easy-to-follow maintenance schedules
- 2000-hour tune-up intervals
- Standard, immediate off-the-shelf industrial parts availability

Longest warranties

- 3-year/3,000 hr. Eagle factory warranty
- 5-Year Isuzu engine factory warranty



Eagle TT Series Tugs



TT-8



TT-12

Standard Features

- All Wheel Drive*
- Low profile
- Hitch sight tunnels
- Power steering & braking
- Front + Rear brakes
- Side & top engine access
- Choice of gas, diesel, & LPG

Recommended Options

- Front + Rear E-hitch
- Limited slip differential
- Low oil/high temp shutdown system
- Custom paint scheme
- 2,000 hour PM kit

Towable Aircraft

- For recommendations on which TT is right for your range of aircraft, please contact AERO Specialties.

■ TT-4, TT-5, TT-6, TT-8 TT-10 & TT-12

Engineered to meet the needs of today's regional airlines, corporate flight departments, fixed base operators and military flight operations, the Eagle TT series All Wheel Drive aircraft tow tractor packs a significant amount of value into a low profile, compact package.

Here is what the TT series has to offer:

- Only product in its towing capacity available in All Wheel Drive - providing safe, controlled traction on all surface conditions.
- Ergonomic operator compartment, low-profile design and mirror-less hitch visibility allow operators to safely and efficiently handle aircraft.
- Designed with carefully matched components, resulting in minimal or no unscheduled maintenance or repair.
- Unparalleled reliability and factory-direct service and support is the Eagle Tugs advantage.
- Eagle Tugs has over 35 years of experience designing, building and supporting reliable tow tractors.

* Standard on TT-8, TT-10 & TT-12, optional on TT-4, 5 & 6

Eagle TT AWD Tugs Comparison

■ TT-4, TT-5, TT-6, TT-8

| | MODELS | TT-4 AWD | TT-5 AWD | TT-6 AWD | TT-8 AWD |
|-----------------------|----------------------------------|--|-------------------------|----------------------------|--------------------------|
| Performance/Weights | Drive Wheels | 2 Front / 2 Rear | 2 Front / 2 Rear | 2 Front / 2 Rear | 2 Front / 2 Rear |
| | *Drawbar Pull | 4,000 lbs / 1,818 kgs | 5,000 lbs / 2,272 kgs | 6,000 lbs / 2,727 kgs | 8,000 lbs / 3,636 kgs |
| | *Towing Capacity 1st Gear | 60,000 lbs / 27,272 kgs | 75,000 lbs / 35,090 kgs | 90,000 lbs / 40,909 kgs | 120,000 lbs / 54,432 kgs |
| | *Towing Capacity 3rd Gear | 20,000 lbs / 13,636 kgs | 35,000 lbs / 15,909 kgs | 50,000 lbs / 27,272 kgs | 80,000 lbs / 36,288 kgs |
| | Service Weight Gas/LP | 5,200 lbs / 2,360 kgs | 6,300 lbs / 2,860 kgs | 7,300 lbs / 3,320 kgs | 8,600 lbs / 3,900 kgs |
| | Service Weight Diesel | 5,500 lbs / 2500 kgs | 6,600 lbs / 3,000 kgs | 7,600 lbs / 3,450 kgs | 8,900 lbs / 4,045 kgs |
| | Optional Cab - Add | 500 lbs / 227 kgs | 500 lbs / 227 kgs | 500 lbs / 227 kgs | 500 lbs / 227 kgs |
| Dimensions | Length | 115 in / 2921 mm | | | |
| | Width | 54 in / 1372 mm | | | |
| | Width (dual rear) | 72 in / 1829 mm | | | |
| | Height | 40 in / 1016 mm | | | |
| | Height w/ cab (option) | 71 in / 1803 mm | | | |
| | Wheelbase | 75 in / 1905 mm | | | |
| | Track | 46 in / 1168 mm | | | |
| | Tires (front+rear) | 8.0 x 16.5 in | | | |
| | Step Height | 11.5 in / 228 mm | | | |
| | Ground Clearance | 9 in / 228 mm | | | |
| Chassis | Frame/Body | .375 in / 9.5 mm thick steel | | | |
| | Bumper-Front/Rear | 1 in (25 mm) - 4 in (100 mm) / 3.0 in (75 mm) | | | |
| | Suspension | Leaf springs over both axles | | | |
| Travel | Number of Speeds | 3 forward / 1 reverse with neutral safety switch | | | |
| | Max Speed Gas/LPG | 15 mph / 24 kph | | | |
| | Max Speed Diesel | 13 mph / 21 kph | | | |
| | Steering | Hydraulic power-boosted mechanical: self-centering | | | |
| | Brakes | Hydraulic, self-adjusting split type with accumulator | | | |
| | Front Brakes | 12 in (disc) | | | |
| | Rear Brakes | 12 x 2.5 in (drum) | | | |
| | Parking Brakes | Orscheln-type mechanical to rear brake drums | | | |
| ENGINE OPTIONS | | Gas/LPG** | | Diesel** | |
| Specifications | Manufacturer | WisCon | | Isuzu | |
| | Model | TM27 | | 4JG1 Direct Fuel Injection | |
| | Rated Output @ 2800 rpm | 80 HP / 60 kW | | 62 HP / 47 kW | |
| | Torque @ 2800 rpm | 162 ft lbs / 220 Nm | | 144 ft lbs / 195 Nm | |
| | Cylinders - Displacement | 4 Cylinder / 2.7 L | | 4 Cylinder / 3.1 L | |
| | Fuel Tank | 16 gallons / 60 liters | | | |
| | Air Cleaner | Severe environment, heavy duty, dry replacement element | | | |
| Electrical | System | 12 Volt | | | |
| | Alternator | 80 amp | | | |
| | Battery (cold crank) | 390 amp | | 70 amp | |
| | Ignition | Keyed with anti-restart switch | | 650 amp | |
| | Lights | Halogen headlights / combination brake, tail and back-up at rear-all recessed | | | |
| | Instruments | Oil pressure, water temperature and fuel gauges / hourmeter, voltmeter and electric horn | | | |

* Rated at .9 COF, 0% grade. ** EPA emissions compliant.

■ TT-10 & TT-12

| | MODELS | TT-10 AWD | TT-12 AWD | | |
|---------------------|----------------------------------|--|--------------------------|--------------------------------------|--|
| Performance/Weights | Drive Wheels | 2 Front / 4 Rear | 2 Front / 4 Rear | | |
| | *Drawbar Pull | 10,000 lbs / 44 kN | 12,000 lbs / 54 kN | | |
| | *Towing Capacity 1st Gear | 150,000 lbs / 68,100 kgs | 180,000 lbs / 81,720 kgs | | |
| | *Towing Capacity 3rd Gear | 100,000 lbs / 45,400 kgs | 120,000 lbs / 54,480 kgs | | |
| | Service Weight Gas/LP | 11,803 lbs / 5,365 kgs | 13,350 lbs / 6,068 kgs | | |
| | Service Weight Diesel | 11,803 lbs / 5,365 kgs | 13,350 lbs / 6,068 kgs | | |
| | Optional Cab - Add | 700 lbs / 318 kgs | 700 lbs / 318 kgs | | |
| Dimensions | Length | 134 in / 3378 mm | | | |
| | Width | 72 in / 1829 mm | | | |
| | Width (dual rear) | 72 in / 1829 mm | | | |
| | Height | 47 in / 1194 mm | | | |
| | Height w/ cab (option) | 72 in / 1829 mm | | | |
| | Wheelbase | 87 in / 2210 mm | | | |
| | Track | 51 in / 1295 mm | | | |
| | Turn Radius (outside) | 210 in / 5334 mm | | | |
| | Tires (front+rear) | 9.5 x 16.5 in | | | |
| | Step Height | 10 in / 254 mm | | | |
| | Ground Clearance | 9 in / 228 mm | | | |
| Chassis | Frame/Body | .500 in / 12.7 mm thick A36 steel | | | |
| | Bumper-Front/Rear | 4 in / 101.6 mm thick A36 steel | | | |
| | Suspension | Leaf springs over both axles | | | |
| Travel | Number of Speeds | 3 forward / 1 reverse with neutral safety switch | | | |
| | Max Speed Gas/LPG | 15 mph / 24 kph | | | |
| | Max Speed Diesel | 13 mph / 20.9 kph | | | |
| | Steering | Hydraulic power-assisted mechanical: self-centering | | | |
| | Brakes | Hydraulic, self-adjusting split type with accumulator | | | |
| | Front Brakes | 13 in (disc) | | | |
| | Rear Brakes | 12 x 3 in (drum) | | | |
| | Parking Brakes | Orscheln-type mechanical to rear brake drums | | | |
| | ENGINE OPTIONS | Gas/LPG** | Diesel** | | |
| Specifications | Manufacturer | Ford - Emissions compliant | | Isuzu 4JG1T Emissions compliant | |
| | Model | 4.2 L, V6 | | 3.1 L | |
| | Rated Output @ 2800 rpm | 135 HP / 101 kW | | 83 HP / 62 kW | |
| | Torque @ 2800 rpm | 253 ft lbs / 343 Nm | | 172 ft lbs / 233 Nm | |
| | Cylinders - Displacement | 6 Cylinder / 4.2 L | | 4 Cylinder / 3.1 L4 Cylinder / 3.1 L | |
| | Fuel Tank | 18 gallons / 68 liters | | | |
| | Air Cleaner | Severe environment, heavy duty, dry replacement element | | | |
| Electrical | System | 12 Volt | | | |
| | Alternator | 75 amp | | | |
| | Battery (cold crank) | 900 amp | | | |
| | Ignition | Keyed with anti-restart switch | | | |
| | Lights | Dual Halogen headlights / combination brake, tail and back-up at rear-all recessed | | | |
| | Instruments | Oil pressure, water temperature and fuel gauges / hourmeter, voltmeter and electric horn | | | |

* Rated at .9 COF, 0% grade. ** EPA emissions compliant.

Eagle Bob Tail® Tow Tractors

■ EB2-5, EB2-6, EB2-8, EB2-10

In 1969 the genesis of today's air cargo industry occurred. Eagle was there to answer the airlines' call for an all-weather, high speed cargo tractor which had not yet been invented. Eagle successfully engineered and developed the Ford F-350 Bob Tail for United Airlines at Detroit Metropolitan Airport. Within two decades, the Eagle Bob Tail had become the narrow and wide body cargo towing standard used by all North American and British Airlines, and also military GSE. Eagle experienced reduced Bob Tail interest in the mid's as its customers tried industrial tractors, converted to high speed use, as Bob Tail replacements. However, by 2003 the converted industrial tractors had demonstrated a track record of unreliability when compared to the Eagle Bob Tail. Examples of these problems include drive shaft, drive wheel, drive hub and braking issues. Other known issues included exhaust in the cab, and excessive driver fatigue and discomfort caused by a lack of suspension. Because of these problems, eagle Bob Tail customers have returned with increased annual purchases.

What the Eagle Bob Tail cargo tractor offers that industrial tractors do not:

- The Ford F-350, F-450, F-550 and F-750 Cab and Chassis which have an unequalled, commercially proven high speed drive train and braking.
- Rear Hitch sight tunnel.
- Heavy steel plate body and front & rear bumpers, including a heavy tubular grill guard and side armor.
- Reliable, comfortable & safe.
- Unparalleled reliability and factory-direct support is the Eagle Tugs advantage.

*Towing capacities shown as high speed towing @ 25 mph.



Standard Features

- 25 MPH speed governor
- Rear hitch sight tunnel
- Turn, stop, tail and backup lights on cab protection rack
- Power steering & braking (hydraulic)
- Ventilated front and rear disc brakes
- Heavy duty wheels and radial tires
- Choice of Diesel in all models
- Choice of Gas in F350 , F450 and F550

Recommended Options

- Limited slip differential
- E-hitch or Pintle Hook
- Keyless Ignition
- Hourmeter
- Transmission shift inhibitor
- Brake pedal safety pad
- Beacon or strobe
- De-activated door locks
- Sliding rear window

Which Eagle Bob Tail is Right for You?

- EB2-5: Ford F-350 / *30,000 lbs / 13,636 kg
- EB2-6: Ford F-450 / *40,000 lbs / 18,162 kg
- EB2-8: Ford F-550 / *50,000 lbs / 22,727 kg
- EB2-10: Ford F-750 / *60,000 lbs / 27,273 kg

■ Comparison Chart

| | MODELS | EB2-5 | EB2-6 | EB2-8 | EB2-10 | | | |
|-----------------------|--|--|-------------------------|-------------------------|-----------------------------------|---------------------|---------------------|-------------------------|
| Performance/Weights | Drive Wheels | 4 Rear | 4 Rear | 4 Rear | 4 Rear | | | |
| | *Drawbar Pull Gas | 5,000 lbs / 2,272 kgs | 6,000 lbs / 2,727 kgs | 8,000 lbs / 3,182 kgs | | | | |
| | *Drawbar Pull Diesel | 5,000 lbs / 2,272 kgs | 6,000 lbs / 2,727 kgs | 8,000 lbs / 3,636 kgs | 10,000 lbs / 4,545 kgs | | | |
| | *Towing Capacity 1st Gear | 50,000 lbs / 22,727 kgs | 65,000 lbs / 29,545 kgs | 80,000 lbs / 36,364 kgs | 90,000 lbs / 40,910 kgs | | | |
| | *Towing Capacity 3rd Gear | 30,000 lbs / 13,636 kgs | 40,000 lbs / 18,182 kgs | 50,000 lbs / 27,727 kgs | 60,000 lbs / 27,273 kgs | | | |
| | Service Weight Gas | 7,500 lbs / 3,509 kgs | 9,000 lbs / 4,091 kgs | 12,000 lbs / 5,454 kgs | | | | |
| | Service Weight Diesel | 7,800 lbs / 3,545 kgs | 9,300 lbs / 4,227 kgs | 12,300 lbs / 5,590 kgs | 15,000 lbs / 6,818 kgs | | | |
| Dimensions | Length | 134 in / 3378 mm | | | | | | |
| | Width | 72 in / 1829 mm | | | 102in / 2,591 | | | |
| | Height | 47 in / 1194 mm | | | 90in / 2,286 | | | |
| | Wheelbase | 87 in / 2210 mm | | | | | | |
| | Track | 51 in / 1295 mm | | | | | | |
| | Tires (front+rear) | 245/75R17E | 225/70R19.5F | 225/70R19.5F | 10R22.5G | | | |
| | Turn Radius (outside) | 210 in / 5334 mm | | | | | | |
| | Step Height | 10 in / 254 mm | | | | | | |
| Chassis | Ground Clearance | 9 in / 228 mm | | | | | | |
| | Frame/Body | .500 in / 12.7 mm thick A36 steel | | | | | | |
| | Bumper-Front/Rear | 4 in / 101.6 mm thick A36 steel | | | 1 in (25 mm)/2.0 in (50 mm) steel | | | |
| Travel | Suspension | Leaf springs over both axles | | | | | | |
| | Transmission - Automatic | 3 forward / 1 reverse with neutral safety switch | | | | | | |
| | Max Speed Governed | 15 mph / 24 kph | | | | | | |
| | Steering | Hydraulic power-boosted mechanical: self-centering | | | | | | |
| | Brakes | Hydraulic, self-adjusting split type with accumulator | | | | | | |
| | Front Brakes | 13 in (disc) | | | | | | |
| | Rear Brakes | 12 x 3 in (drum) | | | | | | |
| Parking Brake | Orscheln-type mechanical to rear brake drums | | | | | | | |
| ENGINE OPTIONS | | EB2-5 Gas | F4500 Gas | F5500 Gas | EB2-5 Diesel | F4500 DIESEL | F5500 DIESEL | F7500 DIESEL *** |
| Specifications | Manufacturer | Ford - Tier 2 | | | | | | |
| | Model | V-8 | V-10 | V-10 | V-8 Turbo | V-8 Turbo | V-8 Turbo | V-8 Turbo |
| | Rated Output | 300 hp/225 kW | 362 hp /272 kW | 362 hp /272 kW | 325 hp /244 kW | 325 hp /244 kW | 325 hp /244 kW | 230 hp /173 kW |
| | Torque | 365 ft lbs | 457 ft lbs | 457 ft lbs | 570 ft lbs | 570 ft lbs | 570 ft lbs | 620 ft lbs |
| | Cylinders - Displacement | Eight - 5.4L | Ten - 6.8L | Ten - 6.8L | Eight - 6L | Eight - 6L | Eight - 6L | Eight - 6L |
| | Fuel Consumption | 3.0 gplh | 3.3 gplh | 3.3 gplh | 3.3 gplh | 3.0 gplh | 3.0 gplh | 3.3 gplh |
| | Fuel Tank | 18 gallons / 68 liters | | | | | | 45 gal / 170 lit |
| | Air Cleaner | Severe environment, heavy duty, dry replacement element | | | | | | |
| Electrical | System | 12 Volt | | | | | | |
| | Alternator | 75 amp | | | 130 amp | | | |
| | Battery (cold crank) | 900 amp | | | | | | |
| | Ignition | Keyed with anti-restart switch | | | | | | |
| | Lights | Dual Halogen headlights / combination brake, tail and back-up at rear-all recessed | | | | | | |
| | Instruments | Oil pressure, water temperature and fuel gauges / hourmeter, voltmeter and electric horn | | | | | | |

* Rated at .9 COF, 0% grade. ** EPA emissions compliant. *** Caterpillar 7.2 L optional

TUG Tractors & Pushbacks



AERO is an authorized dealer of Tug Technologies baggage tractors and large aircraft pushbacks. By offering both Tug products and Eagle TT-Series tugs, we can provide comprehensive aircraft and GSE towing for any and all applications.

Baggage Tractors

Tug Technologies MA & M1A Series tractors

The MA and M1A tow tractors are time-tested, field proven tow tractors with 3,000 to 6,000 pounds (1,362 to 2,722 kg) drawbar pull to handle all of your cargo and baggage towing requirements. Gas, diesel, or LPG engines and many options - including fully enclosed cabs - are available on all models.



Large Aircraft Pushbacks

Tug Technologies GT Series

The TUG GT Series tractors provide dependable pushback service for all mid-sized aircraft. GT Series tractors feature optional gross vehicle weight packages for various applications and airport conditions, and range in drawbar pull from 35,000 to 110,000 pounds.



| GT-35 Series | | GT-50 Series | | GT-50H | | GT-110 | |
|------------------------------------|--------------------|--|--------------------|---|--------------------|--|--------------------|
| Gross Vehicle Weight: 35,000 LBS | | Gross Vehicle Weight: 50,000 LBS | | Gross Vehicle Weight: 60,000 LBS | | Gross Vehicle Weight: 120,000 LBS | |
| Gross Vehicle Weight: 15.89 M TONS | | Gross Vehicle Weight: 22.68 M TONS | | Gross Vehicle Weight: 27.22 M TONS | | Gross Vehicle Weight: 54.44 M TONS | |
| Max Drawbar Pull: 28,000 LBS. | | Max Drawbar Pull: 40,000 LBS. | | Max Drawbar Pull: 48,000 LBS. | | Max Drawbar Pull: 78,000 LBS. | |
| Aircraft Compatibility | | Aircraft Compatibility | | Aircraft Compatibility | | Aircraft Compatibility | |
| Aircraft | Max Takeoff Weight | Aircraft | Max Takeoff Weight | Aircraft | Max Takeoff Weight | Aircraft | Max Takeoff Weight |
| Airbus 319 | 145,505 | Airbus 300 | 378,535 | Airbus 330 | 491,630 | Boeing 747 | 875,000 |
| Airbus 320 | 149,914 | Airbus 310 | 330,695 | Airbus 340 | 597,450 | Boeing 777 | 660,000 |
| Airbus 321 | 182,984 | Boeing 707 | 333,600 | McDonnell Douglas DC10 | 580,000 | McDonnell Douglas MD11 | 630,500 |
| Boeing 717 | 110,000 | Boeing 757 | 251,000 | Lockheed L1011 | 510,000 | | |
| Boeing 727 | 203,100 | Boeing 767 | 387,000 | Plus all aircraft compatible with GT50 and GT35 | | Plus all aircraft compatible with GT50H, GT50 and GT35 | |
| Boeing 737 | 168,500 | McDonnell Douglas DC8 | 325,000 | | | | |
| Boeing 737-900 | 174,200 | Plus all aircraft compatible with GT35 | | | | | |
| Boeing 757 | 251,000 | | | | | | |
| McDonnell Douglas DC9 | 121,000 | | | | | | |
| McDonnell Douglas MD80 | 160,000 | | | | | | |

Stairs & Stands, Cargo & Beltloaders

Stairs & Stands



Truck-mounted stairs:

Stinar manufactures smartly engineered widebody passenger stairs mounted on reliable Ford diesel or gas chassis. Our prices and lead times are among the best in the industry.



Towable stairs:

We offer WASP and Phoenix Metals towable passenger stairs. Each brand has its own unique features, and both provide safe and dependable service for regional jets through widebody aircraft.



Maintenance stands:

Our aluminum B4 and B5 maintenance stands are corrosion-free, lightweight, and very durable. Equipped with manual or powered pumps, these stands are simply the best you can buy.



Stairs & Stands

We represent a wide range of quality GSE manufacturers to offer comprehensive passenger stair and maintenance platform solutions to our customers. From powder-coated steel to aluminum, towable or truck-mounted, we offer the best options for any operation's budget.

Cargo & Beltloaders

We cut our teeth on cargo equipment. Our array of cargo and baggage handling GSE includes the highest quality and best values in bag carts, beltloaders, dollies, slave pallets, container loaders, and catapults. From single units to equipping a new cargo operation, we can take care of you.

Cargo & Beltloaders



Baggage carts

- WASP bag carts set the standard, in a variety of configurations.
- Open or covered, knock-down or fixed, torsion or rigid suspension
- 8,000 lb. capacity
- Many options available



Cargo loaders

- AERO proudly offers TLD cargo loaders.
- Self-propelled, dual platform (main deck & lower lobe)
- All narrow- and wide-body aircraft
- Up to 60,000-pound capacity



Beltloaders

- Tug's 660: The #1 widebody beltloader
- Gas or diesel engine
- Widebody capable (including 777)
- Adjustable/operable at both ends
- Many options available



Dollies & Slave Pallets

- Clyde Machines has a proven track record in heavy-use cargo operations for over 40 years.
- All major configurations available
- Heavy-duty construction, made to last
- Omni-directional casters

Used & Refurbished GSE



One of AERO's specialties is quality refurbishing of used GSE. Our mechanics hold numerous repair certifications for all types of GSE, ranging from GPUs to turbine engines. Our refurbishing expertise provides our customers with extremely reliable equipment at affordable prices. We offer three levels of refurbishing to match our customers' needs.

Used

- Major components inspected and repaired or replaced as required
- Unit tested a minimum of 3 hours under load
- Warranty: 30 Days Parts, plus manufacturers' component extended warranties (where applicable)

Refurbished

- Major components inspected and repaired or replaced as required
- New belts, hoses, alternator, starter, & fuel pump
- New brake components installed, including cylinders, hydraulics, and shoes
- Chassis stripped, inspected & repaired if necessary, and primed & painted
- New seat(s), tires 70% or better
- Unit tested a minimum of 3 hours under load
- Warranty: 30 days labor, plus 90 days parts and manufacturers' extended warranties where applicable

Zero-Timed

- Remanufactured engine, transmission & accessories
- New brake components installed, including cylinders, hydraulics, and shoes
- All other components inspected & repaired or replaced as necessary
- Chassis stripped, inspected & repaired if necessary, and primed & painted
- New seat and tires
- Unit tested a minimum of 3 hours under load
- Warranty: 6 months engine & transmission; 30 days labor, 90 days parts, plus manufacturers' extended warranties where applicable

See our current used inventory on our website, or call for more information.

Before and After

Before:

Eagle TT-6G in rough condition before Zero-Time refurbishing begins.



During:

The same TT-6G, primed and being fitted with remanufactured engine, transmission, brakes, wiring...



After:

The finished product, clean and solid inside and out.



Used Equipment Samples



Ramp Safety



H3 Halon 1211 Fire Extinguishers

- The "gold standard" for fire suppression"
- Steel cylinder, all metal valve construction
- Many sizes and rating levels available



Whether we're supplying a comprehensive ramp safety package to a major airline or one pair of lighted marshalling wands to a small FBO, we stock what you need. Each ramp safety product we carry is the proven leader in its class, including David Clark headsets & hearing protectors, LED wands and safety vests, or our own AERO line of rubber wheel chocks.



Cones & Markers

- Durable rubber and poly construction
- Reflective banding
- Many sizes and styles



FOD Magnetic Sweepers

- High-strength foreign object debris collection
- Towable or pushable
- Many widths and sizes



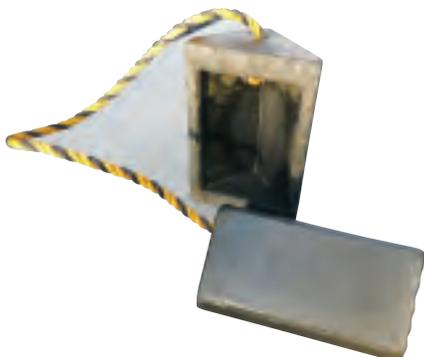
Lighted Marshalling Wands

- LED lights visible 1 mile
- 400 hours on 2 "AA" batteries
- Nearly indestructible



Lighted Safety Vests

- Poncho or split
- LED embedded in reflective strips
- Nylon mesh



AERO Molded Rubber Chocks

- Safe chocking for small twins through wide-bodies
- Nylon rope connects
- Secure traction grooves in bottom
- Many sizes available



David Clark Headsets & Hearing Protectors

- Several styles available
- Maximum decibel reduction
- Durable, industry-leading design

Warranty and Payment Terms

■ Ordering Replacement Parts:

- Replacement parts do not appear in this catalog. An Operation and Maintenance Manual or Illustrated Parts List is included with all AERO Specialties products.
- To order replacement parts, be prepared to provide the following information:
 - a) Model number as it appears on unit
 - b) Serial number as it appears on unit
 - c) Call Customer Service at 208-378-9888, or email sales@aerospecialties.com

Limited Warranty

AERO Specialties products are warranted to be free of manufacturing or material defects for a period of one year after shipment to the original customer. This is solely limited to the repair or replacement of defective components.

This warranty does not cover the following items:

- a) Parts required for normal maintenance
- b) Parts covered by a component manufacturers warranty
- c) Replacement parts have a 90-day warranty from date of shipment

If you have a problem that may require service, contact AERO Specialties immediately. Do not attempt to repair or disassemble a product without first contacting AERO Specialties, as any action might affect warranty coverage. When you contact AERO, be prepared to provide the following information:

- a) Product Model Number
- b) Product Serial Number
- c) Description of the problem

If warranty coverage is approved, either replacement parts will be sent or the product will have to be returned to AERO Specialties for repairs. A decision on the extent of warranty coverage on returned products is reserved pending inspection at AERO Specialties. Any shipments to AERO must be shipped freight prepaid. Freight costs on shipments to customers will be paid by AERO on any warranty claims only.

Payment Terms

- 30-day credit terms to customers based on approval by AERO Specialties.
- New customers may apply for credit by furnishing bank and trade references.
- Terms to customers that have not established credit with AERO Specialties are credit card, company check, or wire transfer.
- MasterCard, Visa and American Express are accepted for U.S. domestic-shipped orders only.
- All export orders require prepayment in full via wire transfer only prior to shipping.

Freight Terms

- All shipments are FOB factory.
- Return shipments must be pre-approved by AERO Specialties and freight prepaid.



2007 marked the 20th anniversary of AERO Specialties in the aircraft ground support equipment industry.

AERO Specialties would like to thank all of its customers and suppliers, without whom we wouldn't have made it this far. With your continued support, we plan to make it at least another 20!

Ask us how you can get your own commemorative poster or T-shirt.



■ Company Profile

Since 1987, owner Matt Sheehan and his AERO Specialties staff have provided comprehensive GSE solutions to customers worldwide. This "Total GSE" approach is based on our commitment to being the best one-stop GSE shop in the business.

We sell new, used, and refurbished GSE, and offer attractive rental and leasing packages on all equipment. Our single-source approach will save you time and money both before and after the sale.

And we stand behind our equipment. Whether it is designing a specific product or being the exclusive distributor of the popular EAGLE All Wheel Drive Aircraft Tugs, AERO Specialties will impress you with our total commitment to customer service. Let us make your operation more efficient and profitable.



Call **208-378-9888** or visit our
online store for more information:

www.aerospecialties.com

11175 West Emerald
Boise, Idaho 83713



Shop online at
www.aerospecialties.com