Tugs
Tools
GPUs
Providing Ground Support Equipment Since 1993

Tugs Page 2 to 17

- Move up to 38,500 kg / 85,000 lbs
- Stand on or Walk Behind
- Various Lifting Systems
- Gas and Electric powered

Ground Power Equipment Page 18 to 26

- Battery Start Units
- Mains Start Power
- Battery Continuous Power
- Combination Start and Continuous
- Mains Continuous Power
- Frequency Converters

Tools and Tool Control Page 27 to 31

- Predesigned task and aircraft specific kits
- Individual Aviation Tools
- Design your own kit
- Shadow Foaming Service
- Tool Etching

Tugs

Priceless Tugs have been in production and continued development since 1997.

We guarantee our pulling weights.

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<tr>
<th>Tug</th>
<th>Cirrus Attachment</th>
<th>Use</th>
<th>Towing Mechanism</th>
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<tbody>
<tr>
<td>701E</td>
<td>Alternate</td>
<td>Aeroplane</td>
<td>Various</td>
<td>Variable Speed</td>
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<tr>
<td>701EL</td>
<td>Alternate</td>
<td>Aeroplane</td>
<td>Various</td>
<td>Variable Speed</td>
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<tr>
<td>701D</td>
<td>-</td>
<td>Utility</td>
<td>Various</td>
<td>Variable Speed</td>
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<tr>
<td>709</td>
<td>-</td>
<td>Aeroplane</td>
<td>Lazy Susan</td>
<td>4 Speed Transmission 1 Reverse</td>
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<tr>
<td>709H</td>
<td>-</td>
<td>Helicopter</td>
<td>Lazy Susan</td>
<td>4 Speed Transmission 1 Reverse</td>
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<td>717</td>
<td>Option</td>
<td>Aeroplane</td>
<td>Clamp &amp; Lift</td>
<td>Hydrostatic Transmission</td>
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<td>727</td>
<td>Option</td>
<td>Aeroplane</td>
<td>Pan</td>
<td>Hydrostatic Transmission</td>
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<td>Hydraulic Wheel Motor</td>
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<tr>
<td>757</td>
<td>Option</td>
<td>Aeroplane</td>
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<td>Hydraulic Wheel Motor</td>
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<td>757FB-NJ</td>
<td>Option</td>
<td>Aeroplane</td>
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<tr>
<td>850FB</td>
<td>Option</td>
<td>Aeroplane</td>
<td>Pan</td>
<td>Hydraulic Wheel Motor</td>
</tr>
</tbody>
</table>

Priceless Aircraft Tugs...

For Private Aircraft, Corporate Aircraft, Maintenance Shops & FBO facilities

The latest technology for the movement of aircraft. Priceless Aviation Products make it easy for one person to maneuver aircraft quickly and safely in tightly stacked hangars or staging on the ramp. Our tugs range from a small electric unit that can tow up to 4,500 lbs to the 850FBO that will tow up to 85,000 lbs. MGTOW. The list above is a quick reference to the models and their basic specifications. All units have mechanical and electrical tug component warranties.
Mover Types

Ball Hitch
Designed for moving various trailers for utility purposes. Available on the model 701E, 701EL and 701D.

Axle Attachment
For aircraft with or without wheel pants
The Axle Attachment is used on the model 701 tug. It’s use is for lightweight aircraft and is steered moving handles left to right and pivoting on the drive wheel while connected to the aircraft and shifting positions. Optional adapters available for many aircraft.

LazySusan®
LazySusan® is our original towing mechanism and is the perfect way to move aircraft without damage to nose gear. The LazySusan® turntable gives our tug maneuverability and ease of handling. Reverse an aircraft in its own wingspan or maneuver an aircraft in a tightly packed hangar or ramp area with ease and without over extending the nose gear. LazySusan® is available on models 709, 709H and as an option on models 737P, 747C, 757, 757CFBO-NJ and 850FBO.

Pan Style Lift
The Pan Style Lift is used for aircraft with wheel chines, with or without wheel pans or dual nose wheels and is available on models: 727, 737P, 747C, 757, 757CFBO-NJ and 850FBO. The LazySusan can be added as an option to the Pan Style Lift.

Clamp & Lift™
The Clamp & Lift is used for single wheel aircraft with no wheel chines. It can be used with or without wheel pans and is available on models: 717 and 737C.

Cirrus Attachment
The optional Cirrus Attachment is designed specifically for moving the Cirrus aircraft and can be attached to models: 717, 727, 737P, 747C, 757, 757CFBO-NJ and 850FBO.

Visit www.pricelessaviation.com or call us on +1 (770) 962 6188 for mover type information.
701E & 701EL

Lightweight Aircraft

Electric Power

Move aircraft up to 2,050kg / 4,500 lbs.*MGTOW

Easily move small aircraft quickly and safely in tight areas. Turn without lifting tug. Optional ball hitch attachment for movement of small trailers & campers. The model 701EL is equipped with an extra-heavy-duty battery for longer life.

Standard Features:

- 400W effective power
- 24V DC Electric motor
- 701E battery life approx. 1 hr (fully charged)
  - 2 - 12V sealed lead acid batteries
- 701EL battery life approx. 1 1/2 hour (fully charged)
  - 2 - 12V sealed dry-cell batteries
- Easily control steering with articulating swivel attachment
- Rocker switch for forward/reverse
- Adjustable speed
- Virtually silent when moving
- Environmentally friendly - no exhaust
- Universal adaptor for quick tool-free attachment to a wide range of aircraft
- Swivel attachment

Options

Ball hitch attachment for easy movement of campers, boats & trailers.

Snow chains

Headlight

* Tug performance data based on level, smooth, paved surfaces.
These versatile tugs eliminate the need for a specialized tow bar.

USA: +1 (770) 962 6188  |  www.pricelessaviation.com
701D
Light Utility Trailer
Industrial Material Handling
Maintenance Shops

Electric Power
Easily move equipment quickly and safely in tight areas.

Standard Features:
- Operator switch for forward/reverse
- Adjustable speed
- Virtually silent when moving
- Environmentally friendly, no exhaust
- Easily remove 24v lead-gel battery
- Electric charging station 110-240v
- Mechanical warranty: 12 months or 500 hours of use
- Electrical warranty: 6 months or 250 hours of use
- Optional adaptors for carts, etc.

Options
- Custom designed adapters available
- Ball hitch attachment for easy movement of bedding carts
- Headlight

--Tug performance data based on level, smooth, paved surfaces.

UK: +44 (0) 2380 254285 | www.redboxaviation.com
Move aircraft up to 4,300kg / 9,500 lbs.*MGTOW, including single & dual wheel aircraft with chines. For aircraft without wheel pants.

Designed and built to save time and money for FBOs, Maintenance Shops, Corporate Aviation or anyone needing to move aircraft. The 709 LazySusan Tug makes it easy for one person to maneuver aircraft quickly and safely in tightly stacked hangars or staging on the ramp.

**Standard Features:**
- 340cc Honda OHV Engine - EPA approved
- Gasoline (87-100LL)
- Electric start
- Electric winch
- Heavy-duty transmission
- Heavy-duty frame
- LazySusan turntable
- Quick-Lock strap to secure nose wheel
- High-traction pneumatic drive tires
- Battery tender
- Headlight

**Options**
- Snow chains
- Red Box Jump-Start
709H
Low Profile Helicopters

Move aircraft up to 4,300kg / 9,500 lbs.*MGTOW, including single & dual wheel aircraft with chines. For aircraft without wheel pants.

Designed and built to save time and money for FBOs, Maintenance Shops, Corporate Aviation or anyone needing to move aircraft. The 709H LazySusan Tug was designed specifically for low profile helicopters and other aircraft to make it easy for one person to maneuver aircraft quickly and safely in tightly stacked hangars or staging on the ramp.

Standard Features:

- 340cc Honda OHV Engine - EPA approved
- Gasoline (87-100LL)
- Electric start
- Electric winch
- Heavy-duty transmission
- Heavy-duty frame
- LazySusan turntable
- Quick-Lock strap to secure nose wheel
- Low-profile pneumatic drive tires
- Battery tender
- Headlight

Options

- Snow chains
- Red Box Jump-Start

* Tug performance data based on level, smooth, paved surfaces.
717

Private Aircraft
Corporate Aircraft
Maintenance shops

Move aircraft up to 7,050kg / 15,500 lbs.*MGTOW

Designed and built to save time and money for FBOs, Maintenance Shops, Corporate Aviation or anyone needing to move aircraft.

The 717 Clamp&Lift™ Tug makes it easy for one person to maneuver aircraft quickly and safely in tightly stacked hangars or staging on the ramp.

Standard Features:
- 340cc Honda OHV Engine - EPA approved
- Gasoline (87-100LL)
- Electric key start
- Heavy-Duty hydrostatic transmission
- Electro-Hydraulic nose wheel Clamp&Lift™ system
- Quick-Lock strap to secure nosewheel
- High-traction pneumatic drive tires
- Diamond deck riding platform
- Battery tender

Options
- Forward/reverse alarm
- Cirrus attachment
- 2nd Headlight
- Amber strobe light
- Fire extinguisher
- Pintle hitch (helicopter dolly mover)
- Red Box Jump-Start
727
Private Aircraft
Corporate Aircraft
Maintenance shops

MGTOW” to “Move aircraft up to 7,050kg / 15,500 lbs.*MGTOW, including aircraft with chines.

Designed and built to save time and money for FBOs, Maintenance Shops, Corporate Aviation or anyone needing to move aircraft. The 727 Tug makes it easy for one person to maneuver aircraft quickly and safely in tightly stacked hangars or staging on the ramp.

Standard Features:
- 340cc Honda OHV Engine - EPA approved
- Gasoline (87-100LL)
- Electric key start
- Heavy-Duty hydrostatic transmission
- Electro-hydraulic nose wheel pan
- Electric winch with 5,000 lb capacity & quick-lock strap to secure nosewheel
- High-traction pneumatic drive tires
- Diamond deck riding platform
- Battery tender

Options
- Forward/reverse alarm
- Amber strobe light
- Fire extinguisher
- Cirrus attachment
- Pintle hitch (helicopter dolly mover)
- 2nd headlight
- Red Box Jump-Start
- LazySusan (single nose wheel)

* Tug performance data based on level, smooth, paved surfaces.
737

EXTENDED MODEL

• Pilatus PC12
• Socata TBM

MGTOW” to “Move aircraft up to 7,050kg / 15,500 lbs.*MGTOW

Designed and built to save time and money for FBOs, Maintenance Shops, Corporate Aviation or anyone needing to move aircraft.

The 737 Clamp&Lift™ Tug makes it easy for one person to maneuver aircraft quickly and safely in tightly stacked hangars or staging on the ramp.

Standard Features:

- Designed specifically for the Pilatus PC12 / Socata TBM
- 340cc Honda OHV Engine - EPA approved
- Gasoline (87-100LL)
- Electric key start
- Heavy-Duty hydrostatic transmission
- Electro-Hydraulic nose wheel Clamp&Lift™ system
- Quick-Lock strap to secure nosewheel
- High-traction pneumatic drive & steer tires
- Diamond deck riding platform
- Battery tender

Options

- Forward/reverse alarm
- Amber strobe light
- Fire extinguisher
- Pintle hitch (helicopter dolly mover)
- Cirrus attachment
- 2nd headlight
- Red Box Jump-Start
- LazySusan for single nosewheel on model 737P only.
747C
Private Aircraft
Corporate Aircraft
Maintenance shops

Hydraulic Wheel Motor Drive High Speed (8 mph). Will move aircraft weighing up to 15,900kg / 35,000 lbs.*MGTOW

Standard Features:
- Power Steering
- Hydraulic nose wheel pan
- Electric winch & quick-Lock strap
- High-traction pneumatic drive tires
- Heavy-duty alternator keeps battery charged
- No-Skid riding platform surface
- Electric key start
- 23HP Vanguard Engine, EPA approved
- Gasoline (87-100LL)
- Parking brake: 2-wheel, disk brakes

Options
- Forward/reverse alarm
- Amber strobe light
- Pintle hitch
- 2nd Headlight
- Fire extinguisher
- Cirrus attachment
- Red Box Jump-Start
- LazySusan for single or dual nose wheels
757
Corporate Aircraft

Will move aircraft weighing up to 11,400kg / 25,000 lbs.*MGTOW

Gas powered aircraft mover designed to move corporate jets, helicopters and transports for thousands of dollars less than the nearest competitor! The 757 Tug makes it easy for one person to maneuver aircraft quickly and safely in tightly stacked hangars or staging on the ramp.

Standard Features:
- 725cc Honda Engine - EPA approved
- Gasoline (87-100LL)
- Electric key start
- Heavy-Duty hydrostatic transmission
- Electro-Hydraulic nose wheel pan
- Electric winch & quick-lock strap to secure nose wheel
- Super-duty solid traction-type tires
- Diamond deck riding platform
- Battery tender

Options
- 2nd Headlight
- Amber strobe light
- Fire extinguisher
- Cirrus attachment
- Dual drive wheels
- Forward/reverse alarm
- Red Box Jump-Start
- Pintle hitch (helicopter dolly mover)
- LazySusan (single or dual nose wheel)
757CFBO-NJ

Corporate Aircraft

Hydraulic Wheel Motor Drive
High speed (8 mph). Will move aircraft weighing up to 22,700kg / 50,000 lbs.*MGTOW

Standard Features:
- Hydraulic nose wheel pan
- Electric winch & quick-Lock strap
- Limit switch for winch
- Super-duty solid traction tires
- Heavy-duty alternator keeps battery charged
- No-Skid riding platform surface
- Electric key start
- 35HP Vanguard Engine, EPA approved
- Gasoline (87-100LL)
- Parking brake: 2-wheel, disk brakes
- Power Steering

Options
- Pintle hitch
- 2nd Headlight
- Fire extinguisher
- Dual drive wheels
- Cirrus attachment
- Amber strobe light
- Forward/reverse alarm
- Red Box Jump-Start
- LazySusan (single or dual nose wheel)

* Tug performance data based on level, smooth, paved surfaces.
These versatile tugs eliminate the need for a specialized tow bar.
850FBO

Corporate Aircraft

Hydraulic wheel motor drive, high speed (9MPH). Will move aircraft weighing up to 38,500kg / 85,000 lbs.*MGTOW

Standard Features:

- 38500Kg / 85,000lbs MGTOW
- Kubota 57hp Tier 3 Gasoline engine- off road approved all states
- Hydraulic wheel motors with built in Parking Brake
- Switch activated parking brake
- Power steering
- Dual Pneumatic steer tires - 16” x 5”
- Solid drive tires - 21” x 8”
- 5 LED driving lights - 3 Forward - 2 Reverse
- Two person standup operators platform
- Electric 12 volt winch 5450Kg / 12,000 lbs capacity
- Automatic winch shut-off
- Pan style nose gear lift
- Built in step ladder in backrest
- Battery tender
- Amber strobe light
- Strut stop

* Tug performance data based on level, smooth, paved surfaces.
### Specifications

<table>
<thead>
<tr>
<th>Specification</th>
<th>Measurement</th>
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<tr>
<td>Overall Length</td>
<td>228”</td>
</tr>
<tr>
<td>Overall Width</td>
<td>73.5”</td>
</tr>
<tr>
<td>Operators Platform Width</td>
<td>53”</td>
</tr>
<tr>
<td>Height at Highest Point</td>
<td>56”</td>
</tr>
<tr>
<td>Ground Clearance</td>
<td>4 3/8”</td>
</tr>
<tr>
<td>Wheelbase</td>
<td>12’4”</td>
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<tr>
<td>Speed Empty</td>
<td>9mph</td>
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<tr>
<td>Speed Loaded</td>
<td>3mph</td>
</tr>
<tr>
<td>Lifting Capacity</td>
<td>3850Kg / 8500lbs</td>
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</tbody>
</table>

Visit www.pricelessaviation.com or call us on +1 (770) 962 6188 for more information about our commercial aircraft tugs.
Start Units

Our fully comprehensive range of start units are designed to cover every possible start requirement.

The Red Box start units offer 12V, 24V and 28V starts using either gel lead acid or lithium batteries.

From light weight to high power. We cover all your starting needs.

<table>
<thead>
<tr>
<th>Unit Code</th>
<th>Max Amps</th>
<th>Starting Amps</th>
<th>Capacity</th>
<th>Voltage</th>
<th>Max Voltage</th>
<th>Size (in)</th>
<th>Weight (lbs)</th>
<th>Operating Temp.</th>
<th>Case</th>
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</thead>
<tbody>
<tr>
<td>RBL2500</td>
<td>2500</td>
<td>800</td>
<td>16 Amps @ 10 Hr rate</td>
<td>28V DC</td>
<td>30V DC</td>
<td>L 14 X W 3.5 X H 9</td>
<td>15</td>
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<tr>
<td>RBL4000</td>
<td>4000</td>
<td>1500</td>
<td>28 Amps @ 10 Hr rate</td>
<td>28V DC</td>
<td>30V DC</td>
<td>L 14 X W 4 X H 15</td>
<td>25</td>
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<td>RBL4000 TWIN</td>
<td>8000</td>
<td>3000</td>
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<td>28V DC</td>
<td>30V DC</td>
<td>L 14 X W 4 X H 15</td>
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<td>Stainless Steel</td>
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<th>Weight (lbs)</th>
<th>Operating Temp.</th>
<th>Case</th>
</tr>
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<tbody>
<tr>
<td>TC4006</td>
<td>7800</td>
<td>5000</td>
<td>114 Amps @ 10 Hr rate</td>
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<td>28V DC</td>
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<td>TC4008</td>
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<td>7000</td>
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<td>28V DC</td>
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<tr>
<td>TC4002B</td>
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<td>3500</td>
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<td>30.3V DC</td>
<td>L 30.75 X W 21.25 X H 12</td>
<td>310</td>
<td>-40°C - +60°C</td>
<td>Zinc Coated Steel</td>
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<tbody>
<tr>
<td>RBJA 12/24</td>
<td>16300/3200</td>
<td>800/1600</td>
<td>17 Amps @ 10 Hr rate</td>
<td>34 Amps @ 10 Hr rate</td>
<td>120/24V DC</td>
<td>130/18V DC</td>
<td>L 15.75X W 9 X H 25</td>
<td>50</td>
<td>-40°C - +60°C</td>
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<td>RBJA 12/24</td>
<td>23300/4800</td>
<td>1500/3000</td>
<td>27 Amps @ 10 Hr rate</td>
<td>54 Amps @ 10 Hr rate</td>
<td>120/24V DC</td>
<td>130/18V DC</td>
<td>L 15.75X W 9 X H 11</td>
<td>70</td>
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</tr>
<tr>
<td>RBJA 12/24</td>
<td>25000/5000</td>
<td>800/1600</td>
<td>16 Amps @ 10 Hr rate</td>
<td>32 Amps @ 10 Hr rate</td>
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<td>150/30V DC</td>
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<tr>
<td>RBJA 12/24</td>
<td>43000/8000</td>
<td>1500/3000</td>
<td>28 Amps @ 10 Hr rate</td>
<td>56 Amps @ 10 Hr rate</td>
<td>140/28V DC</td>
<td>150/30V DC</td>
<td>L 15.75X W 9 X H 11</td>
<td>37</td>
<td>-40°C - +60°C</td>
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Reverse polarity warning 2” ball (optional)
<table>
<thead>
<tr>
<th>Voltage Indication</th>
<th>Auxiliary Protection</th>
<th>Aircraft Cable</th>
<th>Charger</th>
<th>Protection</th>
</tr>
</thead>
<tbody>
<tr>
<td>Digital to IP5</td>
<td>Circuit Breaker 20A</td>
<td>2m heavy duty, NATO connector</td>
<td>4 amp Electronic fixed input charger. Charge time, less than 2 hours from 50%</td>
<td>Reverse polarity warning</td>
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<td>Circuit Breaker 40A</td>
<td>2m heavy duty, NATO connector</td>
<td>8 A Electronic universal AC input. Charging time less than 2 hours from 50%</td>
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<td>2m heavy duty, NATO connector</td>
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<td>Digital to IP5</td>
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<td>2m heavy duty, NATO connector</td>
<td>4 A Electronic universal AC input</td>
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<tr>
<td>Digital to IP5</td>
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<th>Voltage Indication</th>
<th>Auxiliary Protection</th>
<th>Auxiliary Input</th>
<th>Aircraft Cable</th>
<th>Charger</th>
<th>Protection</th>
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<td>4 amp universal AC input. Charging time less than 2 hours from 50%</td>
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<td>Digital IP5</td>
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</table>
Continuous Power – Battery Units

Our continuous battery units are designed to offer continuous power to aircraft when mains power is not available, or if a silent power supply is required.

| Unit       | Max Amps | Starting Amps | Capacity | Run Time | Voltage | Max Voltage | Size (in) | Weight (lbs) | Operating Temp | Case               | Voltage Indication | Auxiliary Protection | Aircraft Cable       | Charger                      | Optional Extras         |
|------------|----------|---------------|----------|----------|---------|-------------|-----------|--------------|-----------------|--------------------|--------------------|---------------------|-------------------|------------------------|-------------------------|-------------------------|
| TC400/28C  | 5200     | 3500          | 115 Amp Hrs @10 Hr rate | 95A for 1 hour, 50A for 2 hours, 30A for 3 hours | 28V DV | 30.3V DC    | L 30.75 X W 13.75 X H 12 | 310 | -40°C - +60°C | Zinc Coated Steel | Digital to IP64 | Circuit Breaker 40A | 3m heavy duty with connector | 20A Electronic 110/230V | Charging time less than 4 hours from 50% (larger chargers available) | longer cables |
| TC400/28T  | 10400    | 7000          | 273 Amps Hrs @10 Hr rate | 105A for 1 hour, 65A for 2 hours, 65A for 3 hours | 30.3V DC | L 78.75 X W 42.5 X H 59 | 880 | -40°C - +60°C | Zinc Coated Steel | Digital to IP65 | Circuit Breaker 40A | 3m heavy duty with connector | 20A Electronic 110/230V | Charging time less than 4 hours from 50% (larger chargers available) | Cable horns, longer cables |
| TC400/28TR | 15600    | 10400         | 357 Amps Hrs @10 Hr rate | 250A for 1 hour, 125A for 2 hours, 85A for 3 hours | 30.3V DC | L 78.75 X W 42.5 X H 59 | 1,100 | -40°C - +60°C | Zinc Coated Steel | Digital to IP65 | Circuit Breaker 40A | 3m heavy duty with connector | 40A Electronic 110/230V | Charging time less than 4 hours from 50% (larger chargers available) | Cable horns, longer cables |
| TC400/28QU | 20800    | 14000         | 476 Amp Hrs @10 Hr rate | 340A for 1 hour, 170A for 2 hours, 125A for 3 hours | 30.3V DC | L 78.75 X W 42.5 X H 59 | 1,325 | -40°C - +60°C | Zinc Coated Steel | Digital to IP65 | Circuit Breaker 40A | 3m heavy duty with connector | 50A Electronic 110/230V | Charging time less than 4 hours from 50% (larger chargers available) | Cable horns, longer cables |
Continuous Power

Our continuous power supplies offer clean 14V and 28V DC power at up to 600 Amps. From hand portable to mobile carts we cater for all DC aircraft requirements.

| Unit      | Output Current | Output Voltage | Output Ripple | Input Frequency | AC Input Supply | Phase | Power Factor Correction | Input Rating | Dims Body (in) | Weight (lbs) | LED Voltmeter/Ammeter Display | Battery Charging |
|-----------|----------------|----------------|---------------|----------------|-----------------|-------|-------------------------|--------------|----------------|--------------|--------------------------------|----------------|------------------|
| RBPS25    | 25 amps        | 14/28V DC      | <250 mV       | 45-60 Hz       | 95V-270V         | 1Ø    | Included                | 880 VA       | L 12.25 x W 10.25 x H 4.25 | 13            | YES                           | NO             |
| RBPS50    | 50 amps        | 14/28V DC      | <250 mV       | 45-60 Hz       | 95V-270V         | 1Ø    | Included                | 1760 VA      | L 20.5 x W 10.25 x H 6.75  | 22            | YES                           | NO             |
| RBPS75    | 75 amps        | 14/28V DC      | <250 mV       | 45-60 Hz       | 95V-270V         | 1Ø    | Included                | 2640 VA      | L 20.5 x W 10.25 x H 9.75  | 33            | YES                           | NO             |
| RBPS100   | 100 amps       | 14/28V DC      | <250 mV       | 45-60 Hz       | 95V-270V         | 1Ø    | Included                | 3500 VA      | L 20.5 x W 10.25 x H 9.75  | 35            | YES                           | NO             |
| RBSC25    | 50 amps        | 14/28V DC      | <250 mV       | 45-60 Hz       | 95V-270V         | 1Ø    | Included                | 1760 VA      | L 10.25 x W 16.5 x H 12.25 | 35            | YES                           | YES            |
| RBSC100   | 100 amps       | 14/28V DC      | <250 mV       | 45-60 Hz       | 95V-270V         | 1Ø    | Included                | 3500 VA      | L 10.25 x W 16.5 x H 12.25 | 37            | YES                           | YES            |
| RBSC150   | 150 amps       | 14/18 V DC     | <250 mV       | 45-60 Hz       | 95V-270V         | 1Ø or 3Ø | Included               | 5280 VA      | L 37 x W 30.75 x H 17.5   | 105           | YES                           | YES            |
| RBSC225   | 225 amps       | 14/18 V DC     | <250 mV       | 45-60 Hz       | 95V-270V         | 1Ø or 3Ø | Included               | 7920 VA      | L 37 x W 30.75 x H 17.5   | 125           | YES                           | YES            |
| RBSC300   | 300 amps       | 28V DC         | <250 mV       | 45-60 Hz       | 200V-460V        | 3Ø    | Included               | 10500 VA     | L 35.75 x W 31.5 x H 24   | 155           | YES                           | YES            |
| RBSC450   | 450 amps       | 28 VDC         | <250 mV       | 45-60 Hz       | 200V-460V        | 3Ø    | Included               | 16200 VA     | L 35.75 x W 31.5 x H 30.25 | 180           | YES                           | YES            |
| RBSC600   | 600 amps       | 28VDC          | <250 mV       | 45-60 Hz       | 200V-460V        | 3Ø    | Included               | 21600 VA     | L 35.75 x W 31.5 x H 30.25 | 200           | YES                           | YES            |
Combination Start and Continuous

Combining the quality and function of both our start and continuous units into one easy to manoeuvre cart.

Hybrid Units

Providing up to 170A @ 28V DC of continuous and up to 5200A for starting. These compact units are ideal for remote locations.

<table>
<thead>
<tr>
<th>Unit</th>
<th>Max Amps</th>
<th>Starting Amps</th>
<th>Capacity</th>
<th>Starting Voltage</th>
<th>Max Start Voltage</th>
<th>Continuous Voltage</th>
<th>Continuous Power</th>
<th>AC Input</th>
<th>Size (in)</th>
<th>Weight (lbs)</th>
<th>Operating Temperature</th>
<th>Case</th>
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</thead>
<tbody>
<tr>
<td>TC3000/50-4</td>
<td>5200</td>
<td>3500</td>
<td>76 Amp hrs @ 10 Hr rate</td>
<td>24V DC</td>
<td>26V DC</td>
<td>28.5V DC</td>
<td>50 amps</td>
<td>95v-270v 1Ø</td>
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<tr>
<td>TC3000/50-6</td>
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<td>5200</td>
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</tbody>
</table>

Visit www.pricelessaviation.com or call us on +1 (770) 962 6188 for more information about our hybrid units.
Transformer Rectifier Unit

When mains are available for both start and continuous power then this is the perfect unit.

Providing 600A @ 28V DC of continuous power and up to 2000A for starting.

**RBC5600**

**INPUT:**
- **Voltage:** 380 TO 460VAC, 3-Phase with or without neutral
- **Frequency:** 50Hz or 60Hz, +/- 6%
- **Current Harmonics:** EN61000-3-12 EMC – Harmonic Limits
- **Power Factor:** 0.93
- **Inrush:** Limited to 50 Amp
- **Connections:** 63 Amp, 10 metre, 5 core cable with BS4343 plug or H/W

**OUTPUT:**
- **Voltage:** 28.5V DC
- **Voltage Regulation:** Steady-state: +/-5%, dynamic 0-100% step load: +/-15% recovering to steady-state within 50mS
- **Peak Amps:** 600 Amps continuous and 2000 Amps peak

**PROTECTION:**
- **Input Protection:** 63 Amp circuit breaker with current limiting
- **Thermal Overload:** Thermal sensors located in main rectifier, transformer and power module.

**SYSTEM:**
- **Ambient Temperature Range:** -20 to 50 deg C
- **Humidity:** Less than 90% non condensing
- **Altitude:** All specifications quoted at < 2000m above sea level
- **Acoustic Noise:** Typically 65dB
- **Efficiency:** 85% to 95%
- **EMC:**
  - EN61000-3-12 EMC – Harmonic Limits
  - EN61000-6-2 EMC – Immunity for Industrial Environments
  - EN61000-6-4 EMC – Emission Standards for Industrial Environments

**Casing:** Zinc plated steel, powder coated RAL No. BS3020. Size 40.5” High x 28” Wide x 43.25” Deep without castors

**Case Rating:** IP54 EN60529 – IP Ratings for Enclosures

**Meters:**
- Digital readout for output Amps and Volts

**Panel:**
- Status lights for input and output conditions, and alarms

**VARIENTS**
- **Castor Version:** Size 46.5” High x 28” Wide x 43.25” Deep
- **Tow Bar:**
  - Tow Bar - 47” long with 2” eye (with trailer version only)
- **Stationary Version:** Size 46.5” High x 28” Wide x 43.25” Deep
Red Box Frequency Converters have been developed and manufactured for more than a decade now.

These units deliver an output of 200V 3 phase 400Hz and 28V DC to the aircraft through a SINGLE or DUAL OUTPUT contactor and can be connected to a standard 380V to 415V 3 phase 50Hz mains or other. These units can support AC and DC power output simultaneously as long as the total load power does not exceed power of the unit. The units use high frequency IGBT technology to guarantee a sinewave input with low THDI (1.5%) and unit power factor (PF=1). perfect for civil airport and military applications, we guarantee a minimum impact on the mains power sources upstream. This unit is highly reliable, efficient and easy to operate. The units come with 28V DC options, 300A continuous and 1200A peak or 600A continuous an 2400A peak.

Units available: 30KVA, 45KVA, 60KVA, 90KVA with the option of 28V DC 300A or 600A continuous and 1200A or 2400A start.

- Highly Efficient and Fully Compliant GPU
- CE Mark Certified (IEC 61000-6-4:2006+AMD2010 - Electromagnetic
- State of the art semiconductor technology (IGBT) guarantee Unity Power Factor and Low Input Harmonics (THD<65dB@1m)
- Voltage compensation (Load Dependent or via Remote Feedback)
- No break power transfer compatibility (NBPT)
- User friendly control panel Data logging IP54 enclosures for outdoor use in extreme environmental conditions
- Green standby function (20W power consumption when GSF is activated) Low noise emission (<65dB@1m)
Power Quality – Input

- State of the art semiconductor technology (IGBT) Rectifier
- Power Factor Correction (PF=1)
- 95% efficiency
- 4 quadrant operation (better response of the system and safer operation for NBPT)
- Low input harmonics (<1.5% THDi), to comply with the strictest regulations at any load

Output

- Voltage Compensation (Load dependent or via remote). Feedback - Real plug and play connect GPU to aircraft and voltage compensation is done automatically, no user adjustment required or additional accessories)
- 4 Quadrant Operation (better response of the system and safer operation for NBPT)
- Vector control inverter for better response and higher efficiency

Efficiency

- Up to 94% - 30KVA to 90KVA at load PF= 0.8 to 1.0
- 90% < 30kVA at load PF= 0.8 to 1.0
- Green standby function - losses: 20W
- No load losses <1.5kW

Protection and Safety

- Enclosure Protection class up to IP55
- No break power transfer compatibility (NBPT)
- Over/under voltage at output
- Overload capability designed for:
  - Power stage 150% - Continuous
  - Magnetics 120% - Continuous
  - Regulator overload protections set at:
    - 120% for 600 seconds
    - 150% for 60 seconds
    - 200% for 2 seconds
- Variable fan speed for internal temperature control
- Over temperature protection
- Short circuit proof by electric current limiting and shutdown
- 90% switch interlock
- Neutral voltage supervision
- Broken neutral supervision
- Leakage current supervision

Protection & Safety (DC)

- Over/under voltage <20V (4 sec)
- Over/under voltage >34 (4 sec)
- Short circuit <5V (4 sec)
- Overload Capability designed for:
  - Power Stage 150% - Continuous
  - Magnetics 120% - Continuous
- Overload protections set at - 125% for 600 seconds
- 150% for 60 seconds
- 400% for 5 seconds
- Over temperature protection
Shadow Foam for your existing tools

If you have all of the tools you need but they are never quite tidy enough, we have the perfect solution for you… Shadow Foam.

Red Box offer a complete Shadow Foam service. We take your tools, scan them, we then lay them out in specially designed, 2 colour, routed foam. We can offer solutions for your mobile tool kit, garage, business, or anywhere where tool storage and control is of importance.

It’s easy to do and you can do one of three things.

1. Bring the tools to us
2. We will come to you
3. We send you a pack to draw around your tools

The end result of all the options is a perfect shadow foamed tool kit.

Shadow foam is the perfect approach to tool organisation.

Shadow Foam is durable and designed to withstand daily use. It can be shaped to fit your tools, to allow safety and to keep your tools organised. The two toned foam used to produce Shadow Foam allows you to spot instantly when a tool is missing, making it easy to check at the end of the day that you have all of your tools together in one place.
Design your own Tool Kit

Designing your own kit could not be easier…

1. Choose the case or cabinet you would like.

2. Choose the individual tools from our wide selection of BAHCO tools.

3. Send to us to receive a quote and design.

We will come back to you quickly with a price. We will also let you know about any extra options that are available to you, should you want them.

Once agreed, we will go ahead and create the design for your customised tool kit.

Designing your own kit allows you to have the perfect tool kit to suit your needs. We have a range of different cases including:

- HD Rigid Cases
- HD Rigid Cases With Draws
- Metallic Boxes
- Trolleys
- Canvas Cases

You can view the range of cases and tools on our website www.pricelessaviation.com where you can place an order online.
We have a huge range of individual tools available to purchase on our website: www.pricelessaviation.com

Here you will be able to find tools ranging from wrenches, screwdrivers and pliers to drills, torque tools and protective equipment and much more.

All of our tools are high quality BAHCO tools that come with a lifetime guarantee.

To receive a quote you can:

- Go to our website and browse our tool categories.
- Click “Add to basket”.
- Go to checkout and complete your order.

We offer a full laser etching service for your tools.

We can engrave numbers, characters and pictures onto your tools. This service can be done at our facility or one of our Etching Engineers can come to you.
Predesigned Tool Kits

Using high quality, 2 color, skydrol resistant foam in various tool chests, cases and cabinets we produce industry standard tool kits.

Our kits have been designed by the engineers that use them. From avionics kits to aircraft specific kits, our tool control kits are used by leading airlines, MRO’s and military organisations across the world.

### Avionics Tool Kits

<table>
<thead>
<tr>
<th>Model Number</th>
<th>Description</th>
<th>Number of Tools</th>
<th>Measurement</th>
</tr>
</thead>
<tbody>
<tr>
<td>RBI8400</td>
<td>Mechanic Hand Carry Tool Kit with Tools</td>
<td>134</td>
<td>Imperial / Metric</td>
</tr>
<tr>
<td>RBI9300</td>
<td>Avionics Measurement Supply Kit</td>
<td></td>
<td></td>
</tr>
<tr>
<td>RBI9600T</td>
<td>Avionics Toolkit</td>
<td>213</td>
<td>Imperial</td>
</tr>
<tr>
<td>RBI9550T</td>
<td>Avionics Toolkit</td>
<td>218</td>
<td>Imperial</td>
</tr>
</tbody>
</table>

### General Aviation Tool Kits

<table>
<thead>
<tr>
<th>Model Number</th>
<th>Description</th>
<th>Number of Tools</th>
<th>Measurement</th>
</tr>
</thead>
<tbody>
<tr>
<td>Flight Aid GM</td>
<td>Tool Kit in Nylon Bag with Tools</td>
<td>45</td>
<td>Metric</td>
</tr>
<tr>
<td>Flight Aid IMP</td>
<td>Tool Kit in Nylon Bag with Tools</td>
<td>47</td>
<td>Imperial</td>
</tr>
</tbody>
</table>

### Hand Carry Tool Kits

<table>
<thead>
<tr>
<th>Model Number</th>
<th>Description</th>
<th>Number of Tools</th>
<th>Measurement</th>
</tr>
</thead>
<tbody>
<tr>
<td>RBI8400</td>
<td>Mechanic Hand Carry Tool Kit with Tools</td>
<td>134</td>
<td>Imperial / Metric</td>
</tr>
</tbody>
</table>

### Metal Step Cases

<table>
<thead>
<tr>
<th>Model Number</th>
<th>Description</th>
<th>Number of Tools</th>
<th>Measurement</th>
</tr>
</thead>
<tbody>
<tr>
<td>RBI1000T</td>
<td>Ground Support Equipment Kit</td>
<td>116</td>
<td>Imperial / Metric</td>
</tr>
<tr>
<td>RBI8500TM</td>
<td>Airbus A320 Tool Kit</td>
<td>114</td>
<td>Imperial</td>
</tr>
<tr>
<td>RBI9000TM</td>
<td>Mechanic Metal Step Case with Tools</td>
<td>129</td>
<td>Imperial</td>
</tr>
<tr>
<td>RBI9100TM</td>
<td>Mechanic Metal Step Case with Tools</td>
<td>148</td>
<td>Imperial</td>
</tr>
<tr>
<td>RBI9150TM</td>
<td>4 Drawer Metal Step Case</td>
<td>148</td>
<td>Metric</td>
</tr>
<tr>
<td>RBI9700TM</td>
<td>Mechanic Metal Step Case with Tools</td>
<td>149</td>
<td>Imperial</td>
</tr>
<tr>
<td>RBI9900TM</td>
<td>Mechanic Metal Step Case with Tools</td>
<td>193</td>
<td>Metric</td>
</tr>
</tbody>
</table>

Visit [www.pricelessaviation.com](http://www.pricelessaviation.com) or call us on +1 (770) 962 6188 for full kit information.
## Trolley Cases

<table>
<thead>
<tr>
<th>Model Number</th>
<th>Description</th>
<th>Number of Tools</th>
<th>Measurement</th>
</tr>
</thead>
<tbody>
<tr>
<td>RBI4000T</td>
<td>Travelling Mechanic Tool Kit</td>
<td>147</td>
<td>Imperial / Metric</td>
</tr>
<tr>
<td>RBI8000ST</td>
<td>Helibox Trolley Case with Tools and spare foam</td>
<td>236</td>
<td>Imperial / Metric</td>
</tr>
<tr>
<td>RBI8000T</td>
<td>Helibox Trolley Case with Tools</td>
<td>236</td>
<td>Imperial / Metric</td>
</tr>
<tr>
<td>RBI8100ST</td>
<td>Boeing Kit</td>
<td>200</td>
<td>Imperial</td>
</tr>
<tr>
<td>RBI81100T</td>
<td>Boeing Kit</td>
<td>200</td>
<td>Imperial</td>
</tr>
<tr>
<td>RBI8200T</td>
<td>UAV Kit</td>
<td>171</td>
<td>Imperial / Metric</td>
</tr>
<tr>
<td>RBI250ST</td>
<td>UAV Kit</td>
<td>229</td>
<td>Imperial / Metric</td>
</tr>
<tr>
<td>RBI3300T</td>
<td>Airbus Kit</td>
<td>107</td>
<td>Imperial</td>
</tr>
<tr>
<td>RBI8400</td>
<td>Mechanic Hand Carry Tool Kit</td>
<td>134</td>
<td>Imperial / Metric</td>
</tr>
<tr>
<td>RBI9400T</td>
<td>Mechanic Hand Trolley Case</td>
<td>159</td>
<td>Imperial</td>
</tr>
<tr>
<td>RBI9600T</td>
<td>Avionics Toolkit</td>
<td>213</td>
<td>Imperial</td>
</tr>
<tr>
<td>RBI9650T</td>
<td>Avionics Toolkit</td>
<td>218</td>
<td>Imperial</td>
</tr>
</tbody>
</table>

## Workshop Cabinets

<table>
<thead>
<tr>
<th>Model Number</th>
<th>Description</th>
<th>Number of Tools</th>
<th>Measurement</th>
</tr>
</thead>
<tbody>
<tr>
<td>RBA6</td>
<td>Mechanic Cabinet with Tools</td>
<td>287</td>
<td>Metric</td>
</tr>
<tr>
<td>RBI9200C</td>
<td>Airbus Kit</td>
<td>243</td>
<td>Imperial</td>
</tr>
<tr>
<td>RBI9210C</td>
<td>Airframe and Powerplant Kit</td>
<td>119</td>
<td>Imperial</td>
</tr>
<tr>
<td>RBI9220C</td>
<td>Electrical Aviation Kit</td>
<td>130</td>
<td>Imperial / Metric</td>
</tr>
<tr>
<td>RBI9230C</td>
<td>Aircraft General Servicing</td>
<td>374</td>
<td>Imperial / Metric</td>
</tr>
<tr>
<td>RBI9260C</td>
<td>Cessna 172 Central Kit</td>
<td>130</td>
<td>Imperial / Metric</td>
</tr>
<tr>
<td>RBI9270C</td>
<td>Large Workshop Cabinet with Tools</td>
<td>284</td>
<td>Imperial / Metric</td>
</tr>
<tr>
<td>RBI9280C</td>
<td>Light Aircraft Ground Maintenance</td>
<td>201</td>
<td>Imperial / Metric</td>
</tr>
</tbody>
</table>

## Cases with Spare Foam

<table>
<thead>
<tr>
<th>Model Number</th>
<th>Description</th>
<th>Number of Tools</th>
<th>Measurement</th>
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</thead>
<tbody>
<tr>
<td>RBA3ST</td>
<td>Mechanic Hand Trolley Case</td>
<td>149</td>
<td>Metric</td>
</tr>
<tr>
<td>RBI8000ST</td>
<td>Helibox Trolley Case with Tools and spare foam</td>
<td>236</td>
<td>Imperial / Metric</td>
</tr>
<tr>
<td>RBI8100ST</td>
<td>Boeing Kit</td>
<td>200</td>
<td>Imperial</td>
</tr>
<tr>
<td>RBI9400ST</td>
<td>Mechanic Hand Trolley Case</td>
<td>161</td>
<td>Imperial</td>
</tr>
<tr>
<td>RBI9500ST</td>
<td>Mechanic trolley case with spare foam layer</td>
<td>160</td>
<td>Imperial</td>
</tr>
<tr>
<td>RBI9600ST</td>
<td>Avionics kit with spare foam</td>
<td>213</td>
<td>Imperial</td>
</tr>
<tr>
<td>RBI9650ST</td>
<td>Avionics toolkit with spare foam</td>
<td>218</td>
<td>Imperial</td>
</tr>
</tbody>
</table>

## Draw Cases

<table>
<thead>
<tr>
<th>Model Number</th>
<th>Description</th>
<th>Number of Tools</th>
<th>Measurement</th>
</tr>
</thead>
<tbody>
<tr>
<td>RBA3TDR</td>
<td>Mechanic Hand Trolley Case</td>
<td>149</td>
<td>Metric</td>
</tr>
<tr>
<td>RBI4000T</td>
<td>Travelling Mechanic Kit</td>
<td>147</td>
<td>Imperial / Metric</td>
</tr>
<tr>
<td>RBI8000TDR</td>
<td>Helibox</td>
<td>236</td>
<td>Imperial / Metric</td>
</tr>
<tr>
<td>RBI8100TDR</td>
<td>Boeing Tool Kit</td>
<td>199</td>
<td>Imperial</td>
</tr>
<tr>
<td>RBI9400TDR</td>
<td>Mechanic hand trolley case</td>
<td>161</td>
<td>Imperial</td>
</tr>
<tr>
<td>RBI9500TDR</td>
<td>Mechanic Hand Carry Tool Kit</td>
<td>160</td>
<td>Imperial</td>
</tr>
<tr>
<td>RBI9600TDR</td>
<td>Avionics kit</td>
<td>213</td>
<td>Imperial</td>
</tr>
<tr>
<td>RBI9650TDR</td>
<td>Avionics Trolley Case</td>
<td>92</td>
<td>Imperial</td>
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</table>