

## **Lavatory** | **Potable Water Service Carts**



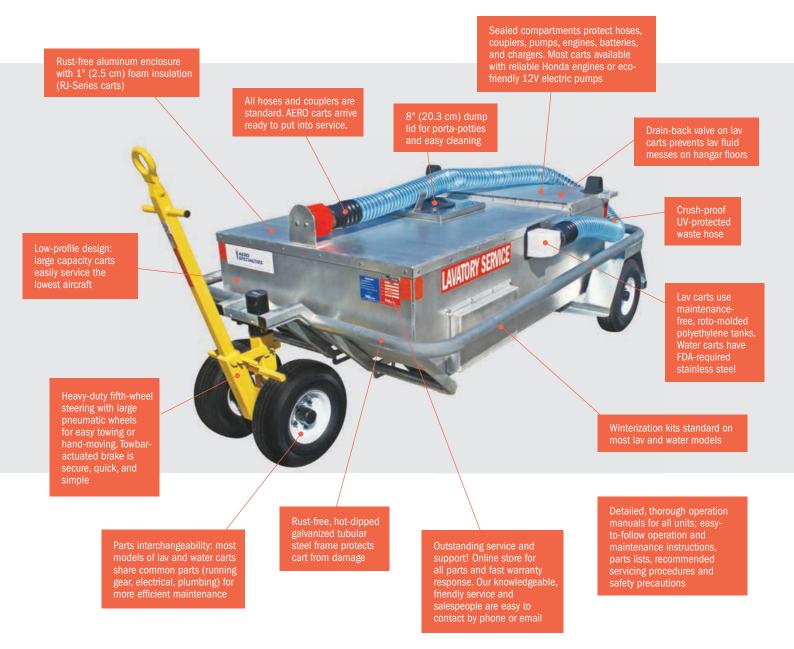
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# Why buy our carts? Let us break it down for you:

We have been the premier manufacturer of aircraft lavatory and potable water service systems for over 30 years. Our units are the highest quality and most intelligently designed carts available anywhere; they will experience less downtime, cost less, and be easier to maintain than any other cart on the market. Plus, they are the longest-lasting carts on the planet and they will stay that way, even under heavy abuse.

You can't afford NOT to buy AERO lav and water carts!

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## **LAVATORY SERVICE CARTS**

# **Safe-Lav**™ Be safe, not sorry



Aircraft lavatory service isn't the most pleasant aspect of aviation, but we all know it's very necessary. Countless dollars and flight hours are lost each year due to airframe damage caused by overfilling aircraft lavatory systems.

AERO Specialties' patented Safe-Lav system uses a dedicated batching tank to determine and restrict the maximum quantity of fluid that can be delivered.

Safe-Lav eliminates the potential for aircraft overfilling due to broken flow meters or human error during the fill process, the two leading causes of lavatory overfills.

This inexpensive, simple and ingenious system has already saved the aviation industry millions of dollars in aircraft damage and downtime. Safe-Lav products can be installed on new lavatory service carts, or retrofitted to units already in the field (AERO or other manufacturers' units.)

### **BENEFITS**

- ✤ No more sticky meters
- ✤ No meter calibration issues
- ✤ No replacing meters damaged by lav additives
- → Requires no monitoring once desired quantity is loaded in system
- → 100 percent visual assurance of batch quantity
- → Use with clear or treated water
- → Retrofittable to existing lav carts and trucks

### **OPTIONS**

- Available pre-installed on your lav cart or as a retrofittable kit for units already in operation
- Available as a single or dual system (dual system includes both clear and blue batch tanks)

#### **SAFE-LAV PART NUMBERS**

LC60-RJ1-SL	2008409
LC60-RJ1-SL-CE (50 Hz)	2009737
LC100E-SL	2003228
LC100E-SL-CE (50 Hz)	2009738

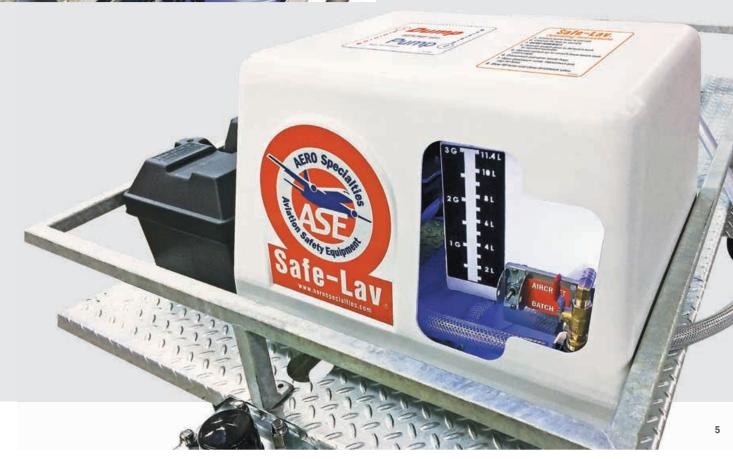






A Safe-Lav retrofit unit before installation

**LC60-RJ1-SL** Safe-Lav system installed on an LC60-RJ1 cart



## LC60 LAVATORY CART

## **THE LOWDOWN**

The LC60 Lavatory Service Cart is designed especially for corporate flight departments, private aircraft operators and low use FBO applications. The LC60 is our smallest and most compact system, featuring an interlocking tank system constructed of rotational-molded, cross-link polyethylene tanks. This easy to use and durable entry level lav cart is designed to fit through a commercial doorway, so there is no need to open the hangar door just to take the cart to the emptying station! As with all AERO Specialties carts the LC60 comes standard with hoses, couplers and all equipment required for standard aircraft service.





#### **PART NUMBER** LC60: 2001022

## **FEATURES: LC60**

- Hand pump for filling aircraft with fluid; four strokes pums 1 gal (3.8 L) of fluid
- Heavy-duty, galvanized steel chassis and towbar
- Rotationally molded cross-link polyethylene, UV-protected tanks
- 35 gal waste, 28 gal fill/flush tanks (132.5 L waste, 106 L fill)

## **OPTIONS: LC60**

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## **DIMENSIONS: LC60**

6' 3" (1.9 m) waste hose with straight 4" (10.1 cm) GA coupler

- ✤ 10' (3.1 m) sealed cart dump hose
- 10' (3.1 m) fill hose with fill coupler and plug
- Low profile, 19" (48.3 cm) inlet height handles all corporate jets
- Gravity waste dump; requires no waste pump

- Fill water drain-back and sealed waste hose storage
- Hand- or truck-towable (light duty towing)
- Molded-in decals won't rub off or fade
- Light weight for inexpensive shipping
- + FDA-approved
- CE-certified and marked

Long Grip Fill Coupler	.2000731
Wye (Y) Waste Coupler	. 2000958
Safety Disconnect Towbar Cover	. 2008735

L: 42" x W: 30" x H: 27" (L: 107 cm x W: 76 cm x H: 69 cm); 115 lbs (52 kg)

# LC60-RJ1 LAVATORY

## **THE LOWDOWN**

The LC60-RJ1 Lavatory Service Cart is built around AERO's popular LC60 tank system. Features include a heavy-duty galvanized frame that completely wraps the unit, protecting it from potential damage, and a heavy-gauge aluminum enclosure that will never require painting and is not affected by moisture or corrosive chemicals. The RJ1 series carts are winterized and include immersion heaters in the fill tank, with all compartments totally enclosed in highdensity foam insulation. The electric pump, waste valve, flow meter, and fill hose are stored in the rear compartment, while the 12V battery and charger are isolated in a moisture-free compartment.

#### **PART NUMBERS**

LC60-RJ1: 2001021 LC60-RJ1-SL (Safe-Lav): 2008409 LC60-RJ1-SL-CE (Safe-Lav, 50 Hz): 2009737 LC60-RJ1-CE (50 Hz): 2002451



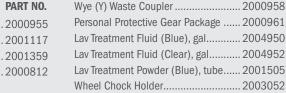


## **FEATURES: LC60-RJ1**

- → 12V DC electric pump system; 4.5 gal/min (17 L/min) at 40 psi max; includes on-board battery and charging system
- + Rust-proof polyethylene tanks; aluminum enclosure system; galvanized steel chassis

## OPTIONS: LC60-RJ1, LC60-RJ1-SL

PRODUCT	PART NO.
Solar Charger Kit and Panel	2000955
Breakaway Coupler	2001117
Alternate Waste Hose 10' (3.1 m)	2001359
Alternate Waste Hose 12' (3.7 m)	2000812
LearJet, HondaJet Lavatory Adapters	
and Stow Bracket Kit	2003054



→ 35 gal waste, 28 gal fill tanks

(10.1 cm) GA coupler

(132.5 L waste, 106 L fill)

✤ 10' (3.1 m) sealed cart dump hose

7' (2.1 m) waste hose with straight 4"

→ 12' (3.7 m) fill hose with fill coupler and plug

Safety Disconnect Towbar Cover ...... 2008735

## LC60-RJ1-SL WITH SAFE-LAV



As part of our ASE line of safety products, the LC60-RJ1 is available with our exclusive Safe-Lav batching system. Never overfill an aircraft tank again! See page 4 for more info.

- Low profile, 25" (63.5 cm) inlet height
- + Gravity waste dump; requires no waste pump
- Fill water drain-back and sealed waste hose storage
- → Winterization kit, with insulated aluminum case and component compartments
- FDA-approved; CE-certified and marked

#### WASTE VALVE CONFIGURATION OPTIONS:

- 1. Standard outlet with dump hose
- 2.90° downturn (downturn elbow w/safety cap)
- 3. Closed waste assembly

#### **DIMENSIONS: LC60-RJ1**

L: 84" x W: 46" x H: 37" (L: 213 cm x W: 117 cm x H: 94 cm) 600 lbs (272 kg)

## LC100 LAVATORY CART SERIES

## **THE LOWDOWN**

Our LC100 Aircraft Lavatory Service Carts feature rotationally molded polyethylene tanks mounted upon a galvanized chassis that incorporates heavy-duty running gear; allowing your crew to tow this cart long distances without worry. The LC100 series carts come in either a hand pump configuration (LC100), an electric pump configuration (LC100E) or a gas pumping configuration (LC100G). As with all AERO Specialties carts the LC100 series carts come standard with hoses, couplers and all equipment required for standard aircraft service.

#### **PART NUMBERS**

LC100: 2002439 LC100E: 2002441 LC100G: 2002443 LC100E-SL (Safe-Lav): 2003228 LC100E-CE (50 Hz): 2002442 LC100E-SL-CE (Safe-Lav, 50 Hz): 2009738 LC100G-CE (50 Hz): 2002444





## FEATURES: LC100, LC100E, LC100G, LC100E-SL

- + LC100: Heavy-duty hand pump; four strokes equals one gal (3.8 L) of pumped fluid
- LC100E: 12V DC pump kit; 4.5 gal/m (17 L/m) at 40 psi max; includes on-board battery and charging system
- LC100G: Honda WX15 gas pump; max 20 gal/min (75.7 L/min) at 50 psi max
- LC100E, LC100G: Back-up hand pump; four strokes equals one gal (3.8 L) pumped fluid
- → Rotationally-molded polyethylene tanks
- ✤ 68 gal waste, 36 gal fill-flush tanks (257.4 L waste, 13 L fill)
- 7'4" (2.2 m) waste hose with straight 4" (10.1 cm) GA coupler
- ✤ 10' (3.1 m) sealed cart dump hose
- 12' (3.7 m) fill hose with fill coupler and plug included
- 🔶 26" (66 cm) inlet height

- Fill water drain-back and sealed waste hose storage
- → Gravity waste dump; requires no waste pump
- Digital flow meter standard on all units except LC100 (hand pump)
- → Heavy-duty running gear with pneumatic tires
- + Handles all corporate jets
- + FDA-approved
- + CE-certified and marked

## **LC100E-SL WITH SAFE-LAV**



As part of our ASE line of safety products, the LC100E is available with our exclusive Safe-Lav batching system. Never overfill an aircraft tank again! See page 4 for more info.





LC100E-SL cart with Safe-Lav system

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LC100E Electric pump





## OPTIONS: LC100, LC100E, LC100G, LC100E-SL

PRODUCT	PART NO.
Long Grip Fill Coupler	.2000731
Solar Charger Kit and Panel	.2000955
Wye (Y) Waste Coupler	. 2000958
Breakaway Coupler	.2001117
Corner Bumper Kit	.2002669
LearJet, HondaJet Lav Adapters	
and Stow Bracket Kit	. 2003054
Safe-Lav Retrofit Kit	.2009721

Personal Protective Gear Package...... 2000961 Alternate Waste Hose 10' (3.1 m)..... 2001359 Alternate Waste Hose 12' (3.7 m)..... 2000812 Lav Treatment Fluid (Blue), gal....... 2004950 Lav Treatment Fluid (Clear), gal....... 2004952 Lav Treatment Powder (Blue), tube..... 2001505 Wheel Chock Holder........ 2003052 Side Mount Storage Trays, set of 2..... 2002848 Safety Disconnect Towbar Cover ...... 2008735

#### WASTE VALVE CONFIGURATION OPTIONS:

- 1. Standard outlet with dump hose
- 2.90° downturn (downturn elbow w/safety cap)
- 3. Closed waste assembly

## DIMENSIONS: LC100, LC100E, LC100G

L: 89" x W: 45" x H: 36" (L: 226 cm x W: 114 cm x H: 91 cm); 575 lbs (261 kg)

# LC180-RJ2 LAVATORY CART SERIES

## **THE LOWDOWN**

Designed for commercial air carriers, busy FBOs and military customers, the LC180-RJ2 is built to exceed rigorous standards for ramp equipment durability. The unit features a heavy-duty galvanized frame that completely wraps the unit, protecting it from potential damage. The cabinet is constructed of a heavy-gauge aluminum enclosure that will never require painting and is not affected by moisture or corrosive chemicals. All RJ2 series carts are completely winterized and totally enclosed in a high-density foam insulation system with onboard heaters to keep the unit ramp ready in any climate (fluids and storage compartments).

#### **PART NUMBERS**

LC180-RJ2E: 2001010 LC180-RJ2G: 2001011 LC180-RJ2E-SL: 2003120 LC180-R2E-CE (50 Hz): 2002445 LC180-RJ2E-SL-CE (Safe-Lav, 50 Hz): 2009739 LC180-R2G-CE (50 Hz): 2002446





## FEATURES: LC180-RJ2E, LC180-RJ2G, LC180-RJ2E-SL

- LC180-RJ2E: 12V DC electric pump; 6 gal/ min (22.7 L/min) at 50 psi max; includes on-board battery and charging system
- LC180-RJ2G: Honda GX160 electric start engine mated to Teel centrifugal pump with 20 gal/min (75.7 L/min) capacity at 29 psi max
- → Rotationally-molded polyethylene tanks
- ✤ 8,000 lb (3,628.7 kg) galvanized steel chassis with heavy-duty running gear
- 110 gal waste, 70 gal fill/flush tank (416.4 L waste, 265 L fill/flush)
- 12' (3.66 m) waste hose with straight 4" (10.1 cm) GA coupler
- ✤ 10' (3.1 m) sealed cart dump hose
- 12' (3.7 m) fill hose with fill coupler and plug
- → Low-profile 28" (71.1 cm) waste inlet height
- Fill water drain-back and sealed waste hose storage
- + Gravity dump; requires no waste pump
- Winterization kit, with insulated aluminum case and component compartments
- Digital flow meter
- + FDA-approved
- + CE-certified and marked

## LC180-RJ2E-SL with SAFE-LAV



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As part of our ASE line of safety products, the LC180-RJ2E is available with our exclusive Safe-Lav batching system. Never overfill an aircraft tank again! See page 4 for more info.



LC180-RJ2E-SL cart with Safe-Lav system



LC180-RJ2G Gas pump



## OPTIONS: LC180-RJ2E, LC180-RJ2G, LC180-RJ2E-SL

PRODUCT	PART NO.
Safe-Lav Retrofit Kit	.2011074
Solar Charger Kit and Panel	. 2000955
Personal Protective Gear Package	.2000961
Hatz Diesel Engine	.2001160
Breakaway Coupler	.2001117
Wye (Y) Waste Coupler	. 2000958
Alternate Waste Hose 7' (2.1 m)	. 2000729
Alternate Waste Hose 10' (3.1 m)	.2001359
Alternate Waste Hose 15' (4.6 m)	.2001360

Back-up Hand Pump 2000702
Corner Bumper Kit 2006323
Lav Treatment Fluid (Blue), gal
Lav Treatment Fluid (Clear), gal 2004952
Lav Treatment Powder (Blue), tube 2001505
LearJet, HondaJet Lav Adapters
and Stow Bracket Kit 2003054
Wheel Chock Holder2003052
Safety Disconnect Towbar Cover 2008735

#### WASTE VALVE CONFIGURATION OPTIONS:

- 1. Standard outlet with dump hose
- 2.90° downturn (downturn elbow w/safety cap)
- 3. Closed waste assembly

### DIMENSIONS: LC180-RJ2E, LC180-RJ2G

L: 112" x W: 68" x H: 46" (L: 284 cm x W: 173 cm x H: 117 cm); 980 lbs (445 kg)

## LC270-RJ3 LAVATORY CART SERIES

## **THE LOWDOWN**

Created for the busiest and most demanding customers, the LC270-RJ3 series units are the most durable and robust carts available on the market. A heavy-duty galvanized frame completely wraps the unit, protecting it from potential damage. The cabinet is constructed of heavy-gauge aluminum with a grip-strut work deck. The waste hose sits in a special drip-tray that allows any spillover to be flushed through the integrated drip-tray drain. All tanks and compartments are completely winterized and totally enclosed in high-density foam insulation with onboard heaters to keep the unit ramp ready in the most extreme climates (fluids and storage compartments).



LC270-RJ3E Electric pump



#### LC270-RJ3E: 2001016 LC270-RJ3G: 2001017

**PART NUMBERS** 

LC270-RJ3E-CE (50 Hz): 2002447 LC270-RJ3E-SL (Safe-Lav): 2009729 LC270-RJ3E-SL-CE (Safe-Lav, 50 Hz): 2009740 LC270-RJ3G-CE (50 Hz): 2002448

## FEATURES: LC270-RJ3E, LC270-RJ3G

- LC270-RJ3E: 12V DC electric pump; 6 gal/ min (22.7 L/min) @ 50 psi max; includes on-board battery and charging system
- LC270-RJ3G: Honda GX160 electric start engine mated to Teel centrifugal pump with 20 gal/min (75.7 L/min) capacity at 29 psi max
- + Rotationally-molded polyethylene tanks
- 8,000 lb (3,628.7 kg) capacity galvanized steel chassis with heavy-duty running gear
- → 170 gal waste, 100 gal fill/flush tanks (643.5 L waste, 378.5 L fill/flush)
- 12' (3.7 m) waste hose with straight 4" (10.1 cm) GA coupler
- ✤ 10' (3.1 m) sealed cart dump hose
- 12' (3.7 m) fill hose with fill coupler and plug included
- → Low-profile 39" (99.1 cm) waste inlet height
- Fill water drain-back and sealed waste hose storage
- Winterization kit, with insulated aluminum case and component compartments
- + Gravity dump; no waste pump required
- → Grip-strut galvanized steel working deck
- ✤ Digital flow meter
- FDA-approved; CE-certified and marked

## LC270-RJ3E-SL with SAFE-LAV



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As part of our ASE line of safety products, the LC270-RJ3E is available with our exclusive Safe-Lav batching system. Never overfill an aircraft tank again! See page 4 for more info.





LC270-RJ3G Gas pump



## **OPTIONS: LC270-RJ3E, LC270-RJ3G**

PRODUCT	PART NO.
Safe-Lav Retrofit Kit	.2011074
Solar Charger Kit and Panel	.2000955
Personal Protective Gear Package	.2000961
Hatz Diesel Engine Option	.2001160
Breakaway Coupler	.2001117
Wye (Y) Waste Coupler	.2000958
Alternate Waste Hose 7' (2.1 m)	.2000729
Alternate Waste Hose 10' (3.1 m)	.2001359
Alternate Waste Hose 15' (4.6 m)	.2001360

Back-up Hand Pump	
Corner Bumper Kit 2006324	
Lav Treatment Fluid (Blue), gal	
Lav Treatment Fluid (Clear), gal 2004952	
Lav Treatment Powder (Blue), tube 2001505	
LearJet, HondaJet Lavatory Adapters	
and Stow Bracket Kit 2003054	
Wheel Chock Holder2003052	
Safety Disconnect Towbar Cover 2008735	

#### WASTE VALVE CONFIGURATION OPTIONS:

- 1. Standard outlet with dump hose
- 2.90° downturn (downturn elbow w/safety cap)
- 3. Closed waste assembly

## DIMENSIONS: LC270-RJ3E, LC270-RJ3G

L: 136" x W: 66" x H: 44" (L: 345 cm x W: 168 cm x H: 112 cm); 1,460 lbs (662 kg)

# LC270-Insert LAVATORY INSERT SERIES

## **THE LOWDOWN**

An economical lavatory truck system, the LC270-Insert is a self-contained unit that bolts into any long-bed 3/4-ton pickup truck. The cabinet is a heavy-gauge aluminum enclosure with a grip-strut working step. The waste hose sits in a special drip-tray that contains spillover until it can be flushed back into the waste tank through the integrated drip-tray drain. All tanks and compartments are enclosed in highdensity foam insulation with onboard heaters to keep the unit ramp-ready in low temps.

AERO also provides a turnkey lav truck system including both truck and installed insert tank. Please contact AERO for details.

#### PART NUMBERS

LC270E-Insert: 2001018 LC270G-Insert: 2001019 LC270E-LST (Truck): 2002189 LC270E-Insert-SL (Safe-Lav): 2009517 LC270E-Insert-CE (50Hz): 2002449 LC270E-Insert-SL-CE (Safe-Lav, 50Hz): 2009741 LC270G-Insert-CE (50Hz): 2002450





## FEATURES: LC270E-INSERT, LC270G-INSERT

- + LC270E-Insert: 12V electric pump system; 12 gal/min (45.5 L/min) at 50 psi max
- + LC270G-Insert: Honda GX160 electric start engine mated to Teel centrifugal pump with 20 gal/min (75.7 L/min) capacity at 29 psi max
- → 170 gal waste; 100 gal fill/flush tanks (643.5 L waste, 378.5 L fill/flush)
- $\rightarrow$  12' (3.7 m) waste hose with straight 4" (10.1 cm) GA coupler
- ✤ 10' (3.1 m) sealed dump hose
- → 12' (3.7 m) fill hose with fill coupler and plug
- + Fill water drain-back and sealed waste hose storage
- + Gravity waste dump; requires no waste pump
- Digital flow meter
- Winterization kit, with insulated aluminum case and component compartments
- + Forklift pockets
- + FDA-approved; CE-certified and marked

L: 96" x W: 51" x H: 55" (L: 244 cm x W: 130 cm x H: 140 cm); 825 lbs (374 kg)

**DIMENSIONS: LC270E-INSERT, LC270G-INSERT** 

## OPTIONS: LC270-RJ3E, LC270-RJ3G

PRODUCT	PART NO.
Safe-Lav Retrofit Kit	.2011074
Solar Charger Kit and Panel	2000955
Personal Protective Gear Package	2000961
Hatz Diesel Engine Option	2001160
Breakaway Coupler	.2001117
Wye (Y) Waste Coupler	2000958
Alternate Waste Hose 7' (2.1 m)	2000729
Alternate Waste Hose 10' (3.1 m)	2001359

Alternate Waste Hose 15' (4.6 m)	2001360
Back-up Hand Pump	2000702
Corner Bumper Kit	2006324
Lav Treatment Fluid (Blue), gal	2004950
Lav Treatment Fluid (Clear), gal	2004952
Lav Treatment Powder (Blue), tube	2001505
LearJet, HondaJet Lavatory Adapters	
and Stow Bracket Kit	2003054
Wheel Chock Holder	2003052

#### WASTE VALVE CONFIGURATION OPTIONS:

- 1. Standard outlet with dump hose
- 2.90° downturn (downturn elbow w/safety cap)
- 3. Closed waste assembly



As part of our ASE line of safety products, the LC270E-Insert is available with our exclusive Safe-Lav batching system. Never overfill an aircraft tank again! See page 4 for more info.



## **POTABLE WATER SERVICE CARTS**

## WC30 WATER CART SERIES

## **THE LOWDOWN**

Our WC30 potable water cart offers durable and convenient water servicing in a compact 30 gallon package. Constructed of heavy-gauge stainless steel with high quality components. This hand-movable unit comes complete with aircraft fill hose, coupler, plug and all parts needed for immediate aircraft servicing. The WC30 features a hand pump for aircraft filling while the WC30E features an electric pumping system with on-board battery and charger system.



WC30

Hand pump

PART NUMBERS WC30: 2001025 WC30E: 2001026 WC30E-CE (50 Hz): 2002452

## FEATURES: WC30, WC30E

- Guzzler 2600 hand pump; 4 strokes pumps 1 gal (3.8 L) of fluid
- ✤ 12V DC electric pump system; 4.5 gal/ min (17 L/min) at 40 psi; on-board battery and charger

### **OPTIONS: WC30, WC30E**

PRODUCT	PART NO.
Breakaway Couple	2001205
Coupler Drag Cushion Kit	2001173

- → 30 gal (113.6 L) capacity
- ✤ 12-gauge stainless steel tank
- 16' (4.9 m) clear fill hose with coupler and plug
- → Tank fill kit with check-valve

- ✤ Includes required hoses and fittings
- Use with bottled or clean source water
- + FDA-approved
- + CE-certified and marked

Long Grip Coupler	2000879
Water Filter Kit, Wall Mount	2001157

### **DIMENSIONS: WC30, WC30E**

L: 38" x W: 28" x H: 45" (L: 97 cm x W: 71 cm x H: 114 cm); 164 lbs (74 kg)



All AERO water carts can be outfitted with added safety options, such as our breakaway coupler and corner bumper kits.

# WC80-RJ1 WATER CART

## **THE LOWDOWN**

The WC80-RJ1 is a popular unit with FBOs and Regional Airlines. Features include a heavy-duty galvanized frame that completely wraps the unit, protecting it from potential damage, and a heavy-gauge aluminum enclosure that will never require painting and is not affected by moisture or corrosive chemicals. The potable water tank system is constructed of 12-gauge stainless steel. The RJ1 series carts are winterized and include immersion heaters in the fill tank, with all compartments totally enclosed in high-density foam insulation. The electric pump, waste valve, flow meter, and fill hose are stored in the rear compartment, while the 12V battery and charger are isolated in a moisture-free compartment.





PART NUMBERS wc80-rj1: 2001028 wc80-rj1-ce (50 Hz): 2002453

### FEATURES: WC80-RJ1

- 12V DC electric pump system; 4.5 gal/min (17 L/min) at 40 psi max; includes on-board battery and charging system
- → 80 gal (302.8 L) capacity
- + Heavy-duty galvanized steel chassis
- ✤ 16' (4.9 m) clear fill hose with coupler and plug
- ✤ 12-gauge baffled stainless steel tank
- ✤ Tank fill kit with check-valve
- Winterization kit, with insulated aluminum case and component compartments
- + Fluid level gauge
- Maintenance-free battery and charger
- + FDA-approved
- CE-certified and marked

## **OPTIONS: WC80-RJ1**

PRODUCT	PART NO.
Breakaway Coupler	2001205
Corner Bumper Kit	2006328
Coupler Drag Cushion Kit	2001173

Digital Flow Meter, gal	. 2001219
Digital Flow Meter, liters	. 2001867
Drox Stainless Steel Tank Cleaner Kit.	. 2000963
Solar Charger Kit and Panel	. 2000955

Water Filter Kit, Wall Mount	2001157
Wheel Chock Holder	2003052
Safety Disconnect Towbar Cover	2008735

#### **DIMENSIONS: WC80-RJ1**

L: 84" x W: 46" x H: 37"; (L: 213 cm x W: 117 cm x H: 94 cm); 600 lbs (272 kg)

## WC100 WATER CART SERIES

## **THE LOWDOWN**

The WC100 offers a high-quality and affordable solution to potable water service capability. Like all AERO Specialties water carts, the WC100 tank is constructed of the heaviest (12-gauge) stainless steel in the industry. The unit is mounted securely upon a galvanized steel chassis with heavy-duty pneumatic tires and wheels. This unit comes complete with aircraft fill hose, coupler, plug and all parts needed for immediate aircraft servicing. The WC100E is powered by an electric pump and includes an on-board battery and charger, while the WC100G is powered by a Honda GX120 gas engine.

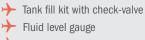




PART NUMBERS WC100E: 2002455 WC100G: 2002463 WC100E-CE (50 Hz): 2002454

## FEATURES: WC100E, WC100G

- WC100E: 12V DC pump system; 4.5 gal/ min (17 L/min) at 40 psi max; includes on-board battery and charging system
- ➤ WC100G: Honda GX120 engine mated to Teel centrifugal pump with 20 gal/min (75.7 L/min) capacity at 29 psi max
- **WC100G:** Backup hand pump
- → 100 gal (378.5 L) capacity
- ✤ 12-gauge baffled stainless steel tank
- ✤ 16' (4.9 m) clear fill hose with coupler and plug



- + FDA-approved
- CE-certified and marked



All AERO water carts can be outfitted with added safety options, such as our breakaway coupler and corner bumper kits.



WC100G Gas pump



## **OPTIONS: WC100E, WC100G**

PRODUCT	PART NO.
Drox Stainless Steel Tank Cleaner Kit.	2000963
Breakaway Coupler	2001205
Corner Bumper Kit	2002669
Coupler Drag Cushion Kit	2001173

Digital Flow Meter, gal	2001219
Digital Flow Meter, liters	2001867
Hatz Diesel Engine Option	2001160
Solar Charger Kit and Panel	2000955
Long Grip Coupler	2000879

Water Filter Kit, Wall Mount	2001157
Wheel Chock Holder	2003052
Safety Disconnect Towbar Cover	2008735

## **DIMENSIONS: WC100E, WC100G**

L: 85" x W: 46" x H: 37" (L: 216 cm x W: 117 cm x H: 94 cm); 600 lbs (272 kg)

# WC180-RJ2 WATER CART SERIES

## **THE LOWDOWN**

The WC180-RJ2 systems are built to exceed the rigorous standards for ramp equipment durability. Features include a heavy-duty galvanized frame that completely wraps the unit, while the cabinet is constructed of heavy-gauge aluminum that is not affected by moisture or corrosive chemicals. The potable water tank system is constructed of 12-gauge stainless steel. All RJ2 series carts are completely winterized and enclosed in high-density foam insulation with onboard heaters to keep the unit ramp ready in any climate (fluids and storage compartments). This unit comes complete with all parts needed for immediate aircraft servicing

#### **PART NUMBERS**

WC180-RJ2E: 2001029 WC180-RJ2E: 2001030 WC180-RJ2E-CE (50 Hz): 2002456 WC180-RJ2G-CE (50 Hz): 2002457



WC180-RJ2E Electric pump



## FEATURES: WC180-RJ2E, WC180-RJ2G

- WC180-RJ2E: 12V DC electric pump; 12 gal/min (45.5 L/min) at 50 psi max; includes on-board battery and charging system
- WC180-RJ2G: Honda GX160 electric start engine mated to Teel centrifugal pump with 20 gal/min (75.7 L/min) capacity at 29 psi max
- ✤ 8,000 lb (3,628.7 kg) galvanized steel chassis with heavy-duty running gear
- → 180 gal (681.4 L) capacity
- 16' (4.9 m) clear fill hose with coupler and plug
- ✤ 12-gauge baffled, stainless steel tank
- → Tank fill kit with check-valve

- + Fluid level gauge
- Winterization kit, with insulated aluminum case and component compartments
- + FDA-approved
- CE-certified and marked



All AERO water carts can be outfitted with added safety options, such as our breakaway coupler and corner bumper kits.



WC180-RJ2G Gas pump



## OPTIONS: WC180-RJ2E, WC180-RJ2G

PRODUCT	PART NO.
Back-up Hand Pump	2000702
Breakaway Coupler	2001205
Corner Bumper Kit	2006323
Coupler Drag Cushion Kit	2001173
Digital Flow Meter, Sotera	2003086
Drox Stainless Steel Tank Cleaner Kit	2000963

Hatz Diesel Engine Option 2001	160
Solar Charger Kit and Panel 2000	955
Water Filter Kit, Cart Mount 2001	237
Water Filter Kit, Wall Mount 2001	157
Wheel Chock Holder 2003	052
Safety Disconnect Towbar Cover 2008	735

## DIMENSIONS: WC180-RJ2E, WC180-RJ2G

L: 112" x W: 68" x H: 46" (L: 284 cm x w: 173 cm x H: 117 cm); 1,160 lbs (526 kg)

# WC270-RJ WATER CART SERIES

## **THE LOWDOWN**

The WC270-RJ3 series units are designed for the busiest and most demanding customers, as they are the most durable and robust carts available on the market. The unit features a heavy-duty galvanized frame that completely wraps the unit, protecting it from potential damage. The cabinet is constructed of a heavy-gauge aluminum enclosure with a gripstrut working deck. The potable water tank system is constructed of 12-gauge stainless steel. All tanks and compartments are completely winterized and totally enclosed in a high-density foam insulation system with onboard heaters to keep the unit ramp ready in the most extreme climates.



WC270-RJ3E Electric pump



#### **PART NUMBERS**

WC270-RJ3E: 2001032 WC270-RJ3G: 2001033 WC270-RJ3E-CE (50Hz): 2002458 WC270-RJ3G-CE (50Hz): 2002459

## FEATURES: WC270-RJ3E, WC270-RJ3G

- WC270-RJ3E: 12V DC electric pump; 12 gal/min (45.5 L/min) at 50 psi max; includes on-board battery and charging system
- WC270-RJ3G: Honda GX160 electric start engine mated to Teel centrifugal pump with 20 gal/min (75.7 L/min) capacity at 29 psi max
- ✤ 8,000 lb (3,628.7 kg) galvanized steel chassis with heavy-duty running gear
- includes on-board battery and charging system **WC270-RJ3G:** Honda GX160 electric start tank with level gauge
  - 16' (4.9 m) clear fill hose with coupler and plug
  - ✤ 12-gauge, baffled stainless steel tank
  - ✤ Tank fill kit with check-valve

- + Fluid level gauge
- Winterization kit, with insulated aluminum case and component compartments
- H Grip-strut galvanized steel working deck
- + FDA-approved
- CE-certified and marked



All AERO water carts can be outfitted with added safety options, such as our breakaway coupler and corner bumper kits.



WC270-RJ3G Gas pump



## OPTIONS: WC270-RJ3E, WC270-RJ3G

PRODUCT	PART NO.
Back-up Hand Pump	.2000702
Breakaway Coupler	.2001205
Corner Bumper Kit	.2006324
Coupler Drag Cushion Kit	.2001173
Digital Flow Meter, Sotera	.2003086
Drox Stainless Steel Tank Cleaner Kit	.2000963

Hatz Diesel Engine Option	.2001160
Solar Charger Kit and Panel	2000955
Water Filter Kit, Cart Mount	.2001237
Water Filter Kit, Wall Mount	.2001157
Wheel Chock Holder	2003052
Safety Disconnect Towbar Cover	2008735

## **DIMENSIONS: WC270-RJ3G**

L: 136" x W: 66" x H: 44" (L: 345 cm x W: 168 cm x H: 112 cm); 1,460 lbs (662 kg)

# Why Buy an Insert?

While complete lav and water service truck systems are common, AERO Specialties offers customers a muchappreciated alternative: potable water and lavatory service inserts that mount on the customer's vehicle.

These systems allow for great flexibility; since the insert ships by itself and installs on a customer-supplied truck, freight costs are drastically lower. Additionally, the units can later be separated from the truck and mounted on a cart or other fleet vehicle. Installation is simple and takes most customers only a few hours; the cart bolts to the truck bed and wires to the truck battery with the included wiring harness. Inserts are also available as stand-alone units with a dedicated battery. If needed, AERO can provide the truck or install the insert on a customer-supplied vehicle\*.

Aircraft handlers worldwide appreciate the adaptability of AERO's insert system and have many of these units in operation globally.



\*Nominal installation charge if installed on customer-provided truck at AERO Specialties.

## FEATURES: WC270E- INSERT, WC270G-INSERT

- WC270E-Insert: 12V DC electric pump system; 12 gal/min (45.5 L/min) at 50 psi max
- WC270G-Insert: Honda GX160 electric start engine mated to Teel centrifugal pump with 20 gal/min (75.7 L/min) capacity at 29 psi max
- Self-contained, skid-mounted unit; bolts in any long-bed 3/4-ton pickup
- → 270 gal (1,02 L) capacity
- 16' (4.9 m) clear fill hose with coupler and plug
- ✤ 12-gauge, baffled stainless steel tank
- → Tank fill kit with check-valve
- + Fluid level gauge
- Winterization kit, with insulated aluminum case and component compartments
- Includes all hoses, filters, and mounting hardware
- → Grip-strut galvanized steel working deck
- Perfect size and features for servicing narrow-body aircraft
- + Forklift pockets
- + FDA-approved
- CE-certified and marked

## WC270-Insert WATER INSERT SERIES

## **THE LOWDOWN**

For customers requiring an economical potable water servicing system, the WC270-Insert is a self-contained unit that bolts into a long-bed 3/4-ton pickup truck. The cabinet is constructed of a heavy-gauge aluminum enclosure with a grip-strut working step, that is not affected by moisture or corrosive chemicals. The potable water tank system is constructed of 12-gauge stainless steel. All tanks and compartments are completely winterized with onboard heaters to keep the unit ramp ready in the most extreme climates.

AERO also provides a turnkey water truck system that includes both truck and installed insert tank. Please contact AERO for details.

#### **PART NUMBERS**

WC270E-Insert: 2001034 WC270G-Insert: 2001035 WC270E-WST (Truck): 2002190 WC270E-Insert-CE (50 Hz): 2002460 WC270G-Insert-CE (50 Hz): 2002461



### **OPTIONS: WC270E INSERT, WC270G INSERT**

PRODUCT	PART NO.
Back-up Hand Pump	2000702
Breakaway Coupler	2001205
Corner Bumper Kit	2006324
Coupler Drag Cushion Kit	2001173

Water Filter Kit, Cart Mount	2001237
Water Filter Kit, Wall Mount	2001157
Wheel Chock Holder	2003052

#### **DIMENSIONS: WC270-INSERT**

L: 96" x W: 51" x H: 55" (L: 244 cm x W: 130 cm x H: 140 cm); 1,050 lbs (476 kg)

# **Cart Comparison**

Components/ Features	LC60	LC100	WC30	WC100	RJ1 Carts	RJ2 Carts	RJ3 Carts
Tank Capacities LAV	Total: 63 gal (239 L) Waste: 35 gal (133 L) Fill: 28 gal (106 L)	Total: 104 gal (393 L) Waste: 68 gal (257 L) Fill: 36 gal (136 L)	N/A	N/A	Total: 63 gal (239 L) Waste: 35 gal (133 L) Fill: 28 gal (106 L)	Total: 180 gal (682 L) Waste: 110 gal (417 L) Fill: 70 gal (265 L)	Total: 270 gal (1,023 L) Waste: 170 gal (645 L) Fill: 100 gal (379 L)
Tank Capacities WATER	N/A	N/A	30 gal (113 L)	100 gal total (378L)	80 gal (303 L)	180 gal (682 L)	270 gal (1,023 L)
<b>Dimensions/</b> Weights L x W x H	42" x 30" x 27" (107 x 76 x 69 cm) Wt: 115 lbs (52 kg)	89" x 45" x 36" (226 x 114 x 91 cm) Wt: 575 lbs (261 kg)	38" x 28" x 45" (97 x 71 x 114 cm) Wt: 164 lbs (74 kg)	85" x 45" x 34" (216 x 114 x 86 cm) Wt: 720 lbs (327 kg)	84" x 46" x 37" (213 x 117 x 94 cm) Wt: 600 lbs (272 kg)	112" x 68" x 46" (284 x 173 x 117 cm) Wt: 980 lbs (445 kg)	136" x 66" x 44" (345 x 168 x 112 cm) Wt: 1,460 lbs (662 kg)
Waste Inlet Height LAV only	19" (48.3 cm)	26" (66 cm)	N/A	N/A	25" (64 cm)	27" (68 cm)	37" (94 cm)
Turning Angle	220°	220°	360°	220°	220°	220°	220°
Frame Material	Fabricated steel, hot-dip galvanized	Fabricated steel, hot-dip galvanized	Stainless steel	Fabricated steel, hot-dip galvanized	Fabricated steel, hot-dip galvanized	Fabricated steel, hot-dip galvanized	Fabricated steel, hot-dip galvanized
<b>Tank</b> Enclosure Material	LAV Tanks: rotationally molded polyethylene	LAV Tanks: rotationally molded polyethylene	LAV Tanks: rotationally molded polyethylene WATER Tanks: 12-gauge stainless steel	LAV Tanks: rotationally molded polyethylene WATER Tanks: 12-gauge stainless steel	LAV Tanks: rotationally molded polyethylene WATER Tanks: 12-gauge stainless steel Enclosure: 1/8" aluminum w/foam-core insulation	LAV Tanks: rotationally molded polyethylene WATER Tanks: 12-gauge stainless steel Enclosure: 1/8" aluminum w/foam-core insulation	LAV Tanks: rotationally molded polyethylene WATER Tanks: 12-gauge stainless steel Enclosure: 1/8" aluminum w/foam-core insulation
Running Gear Wheels, tires, spindles	Wheel/Tire: Tire constructed of solid rubber; steel wheel. 5/8" bearing	Wheel/Tire: 4: 80 x 8" pneumatic Forged Hub: 4 lug on 4" centers rated 1,600 lbs each Bolt Pattern: 4.5 x 8 x 3.25" Spindle: 1-1/4" x 5" dia.	Wheel/Tire: 10" dia. 5/8" bearings	Wheel/Tire: 4: 80 x 8" pneumatic Forged Hub: 4 lug on 4" centers rated 1,600 lbs each Bolt Pattern: 4.5 x 8 x 3.25" Spindle: 1-1/4" x 5" dia.	Wheel/Tire: 4: 80 x 8" pneumatic Forged Hub: 4 lug on 4" centers rated 1,600 lbs each Bolt Pattern: $4.5 \times 8 \times 3.25$ " Spindle: $1-1/4$ " x 5" dia.	Wheel/Tire: 5: 70 x 8" pneumatic Forged Hub: 5 lug on 4.5" centers rated 2,200 lbs each Bolt Pattern: 4.5 x 8 x 3.25" Spindle: 1-5/8" x 9" dia.	Wheel/Tire: 5: 70 x 8" pneumatic Forged Hub: 5 lug on 4.5" centers rated 2,200 lbs each Bolt Pattern: 4.5 x 8 x 3.25" Spindle: 1-5/8" x 9" dia.
Pump System Electrical components wired for 110 V input 230V/50 Hz available	Hand pump	Manual: Hand pump Electric: 12V DC pump, 4.5 gal/min (17 L/pm). Includes on-board battery, charger Gas: Honda WX15 gas pump; max 20 gal/min (75.7 L/min)	Manual: Hand pump Electric: 12V DC pump, 4.5 gal/min (17 L/pm). Includes on-board battery, charger	Electric: 12V DC pump, 4.5 gal/min (17 L/pm). Includes on-board bat- tery, charger Gas: Honda GX120 engine w/ Teel centrifugal pump, 20 gal/min (75.7 L/min) Diesel: Hatz diesel pump, 20 gal/min (75.7 L/min)	12V DC pump, 4.5 gal/ min (17 L/pm). Includes on-board battery, charger	WATER Electric: 12V DC pump, 12 gal/min (45.5 L/pm). Includes on-board battery, charger LAV Electric: 12V DC pump, 6 gal/min (22.7 L/ pm). Includes on-board battery, charger Gas: Honda GX160 electric start engine w/ Teel centrifugal pump, 20 gal/min (75.7 L/min) Diesel: Hatz diesel pump, 20 gal/min (75.7 L/min)	WATER Electric: 12V DC pump, 12 gal/min (45.5 L/pm). Includes on-board battery, charger LAV Electric: 12V DC pump, 6 gal/min (22.7 L/pm). Includes on-board battery, charger Gas: Honda GX160 electric start engine w/ Teel centrifu- gal pump, 20 gal/min (75.7 L/min) Diesel: Hatz diesel pump, 20 gal/min (75.7 L/min)
Waste Valve LAV only	3" (7.6 cm) PVC gate valve 10' (3.1 m) sealed dump hose (other options available)	3" (7.6 cm) PVC gate valve 10' (3.1 m) sealed dump hose (other options available)	N/A	N/A	3" (7.6 cm) PVC gate valve 10' (3.1 m) sealed dump hose (other options available)	3" (7.6 cm) PVC gate valve 10' (3.1 m) sealed dump hose (other options available)	3" (7.6 cm) PVC gate valve 10' (3.1 m) sealed dump hose (other options available)
<b>Couplers/Hoses</b> LAV	1" (2.5 cm) fill coupler with plug 1" x 10' (2.5 cm x 3.1 m) clear fill hose 4" (10 cm) GA coupler 4" x 6' 3" (10 cm x 2.1 m) blue waste hose	1" (2.5 cm) fill coupler with plug 1" x 12' (2.5 cm x 3.7 m) clear fill hose 4" (10 cm) GA coupler 4" x 7' (10 cm x 2.1 m) blue waste hose	N/A	N/A	1" (2.5 cm) long-grip fill coupler with plug 1" x 12' (2.5 cm x 3.7 m) clear fill hose 4" (10 cm) GA coupler 4" x 7' (10 cm x 2.1 m) blue waste hose	1" (2.5 cm) long-grip fill coupler with plug 1" x 12' (2.5 cm x 3.7 m) clear fill hose 4" (10 cm) GA coupler 4" x 12' (10 cm x 3.7 m) blue waste hose	1" (2.5 cm) long-grip fill coupler with plug 1" x 12' (2.5 cm x 3.7 m) clear fill hose 4" (10 cm) GA coupler 4" x 12' (10 cm x 3.7 m) blue waste hose
<b>Couplers/Hoses</b> WATER	N/A	N/A	3/4" (1.9 cm) fill coupler with plug 3/4" x 16' (1.9 cm x 4.9 m) clear fill hose	3/4" (1.9 cm) fill coupler with plug 3/4" x 16' (1.9 cm x 4.9 m) clear fill hose	3/4" (1.9 cm) long-grip fill coupler with plug 3/4" x 16' (1.9 cm x 4.9 m) clear fill hose	3/4" (1.9 cm) long-grip fill coupler with plug 3/4" x 16' (1.9 cm x 4.9 m) clear fill hose	3/4" (1.9 cm) long-grip fill coupler with plug 3/4" x 16' (1.9 cm x 4.9 m) clear fill hose
Winterization Cold weather protection	N/A	N/A	N/A	N/A	Closed-cell foam insulation Immersion heater (120 V 1,000 watt)*	Closed-cell foam insulation Immersion heater (120 V 1,000 watt)* Pump compartment air heater (120 V, 1,200 watt)	Closed-cell foam insulation Immersion heater (120 V, 1,000 watt)* Pump compartment air heater (120 V, 1,200 watt)

\*Alternate voltages available for international customers

# **Cart Overview**

## LAVATORY

Model	Tank Capacity		Dump Tup o	Inlat Haidht	Unit Dimensions			Weight	CE-mark
	Waste	Fill	Ритр Туре	Inlet Height	Length	Width	Height	weight	CE-IIIark
LC60	35 gal (132 L)	28 gal (106 L)	Hand	19" (48 cm)	42" (107 cm)	30" (76 cm)	27" (69 cm)	115 lbs (52 kg)	Yes
LC60-RJ1	35 gal (132 L)	28 gal (106 L)	Electric	25" (64 cm)	84" (213 cm)	46" (117 cm)	37" (94 cm)	600 lbs (272 kg)	Yes
LC100	68 gal (257 L)	34 gal (129 L)	Hand	26" (66 cm)	89" (226 cm)	45" (114 cm)	36" (91 cm)	550 lbs (249 kg)	Yes
LC100E	68 gal (257 L)	34 gal (129 L)	Electric/hand	26" (66 cm)	89" (226 cm)	45" (114 cm)	36" (91 cm)	575 lbs (263 kg)	Yes
LC100G	68 gal (257 L)	34 gal (129 L)	Gas/hand	26" (66 cm)	89" (226 cm)	45" (114 cm)	36" (91 cm)	575 lbs (263 kg)	Yes
LC180-RJ2	110 gal (416 L)	70 gal (265 L)	Electric, gas or diesel	28" (71 cm)	112" (284 cm)	68" (173 cm)	46" (117 cm)	980 lbs (445 kg)	Yes
LC270-RJ3	170 gal (644 L)	100 gal (379 L)	Electric, gas or diesel	39" (99 cm)	136" (345 cm)	66" (168 cm)	44" (112 cm)	1,460 lbs (662 lbs)	Yes
LC270-Insert	170 gal (644 L)	100 gal (379 L)	Electric, gas or diesel	28" (71 cm)	96" (244 cm)	51" (130 cm)	55" (140 cm)	825 lbs (374 kg)	Yes

## WATER

Model	Tank Capacity	Pump Type		Unit Dimensions	Weight	CE-mark	
			Length	Width	Height	weight	GE-IIIdIK
WC30	30 gal (114 L)	Hand	30" (76 cm)	28" (71 cm)	45" (114 cm)	144 lbs (65 kg)	Yes
WC30E	30 gal (114 L)	Electric	38" (97 cm)	28" (71 cm)	45" (114 cm)	164 lbs (74 kg)	Yes
WC80-RJ1	80 gal (303 L)	Electric	84" (213 cm)	46" (117 cm)	37" (94 cm)	600 lbs (272 kg)	Yes
WC100E	100 gal (379 L)	Electric	85" (216 cm)	45" (114 cm)	34" (86 cm)	720 lbs (327 kg)	Yes
WC100G	100 gal (379 L)	Gas	85" (216 cm)	45" (114 cm)	37" (94 cm)	850 lbs (386 kg)	Yes
WC180-RJ2	180 gal (681 L)	Electric, gas or diesel	112" (284 cm)	68" (173 cm)	46" (117 cm)	1,160 lbs (526 kg)	Yes
WC270-RJ3	270 gal (1,022 L)	Electric, gas or diesel	136" (345 cm)	66" (168 cm)	44" (112 cm)	1,700 lbs (771 kg)	Yes
WC270-Insert	270 gal (1,022 L)	Electric, gas or diesel	96" (244 cm)	51" (130 cm)	55" (140 cm)	1,050 lbs (476 kg)	Yes



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