



A Textron Company

MODEL: RXV FREEDOM™
TYPE: ELECTRIC PERSONAL GOLF CAR
MODEL YEAR: 2009
Part No.: 606602



PRODUCT SPECIFICATION

CONFIGURATION HIGHLIGHTS

Programmable AC Drive System: Factory programmable to application

- Solid State variable frequency AC speed controller
- Drive-by-wire electronic throttle control
- Dash mounted direction selector switch (Forward-Neutral-Reverse)
- Descent speed control and automatic hill hold
- Full-time regenerative braking
- 230 Amp AC Controller
- Full torque, reduced speed reverse
- Sealed Hall effect throttle sensor
- Full diagnostic capability (Hand held diagnostic unit)
- Six field selectable speeds with hand held diagnostic unit

Motor: 48 Volt AC induction motor, solid copper windings. 4.4 hp (3.3 kW) Continuous. AC system reads motor speed for accurate speed control in all conditions. Regenerative braking for maximum economy

Battery Charger: 48 VDC PowerWise™ High Frequency, 120/230 VAC 50/60 Hz. Underwriters Laboratories (U.L.) Listed, (C.S.A. Certified)

Electrical System: 48 Volt DC, four, 12 volt deep cycle storage batteries batteries (60 minute minimum, 140 amp-hour @ 20 hr. discharge rate)

Drive Train: Direct motor shaft connected to transaxle pinion shaft

Transaxle: Differential with reverse helical gears

Brakes: Induction motor. Electro-magnetic parking brake is applied automatically

Body Protection: 360° energy transfer bumpers maximize vehicle protection from minor impact

PRODUCT OVERVIEW

| Dimensions | |
|------------------------------|------------------|
| Overall Length | 94.5 In (240 cm) |
| Overall Width | 47.0 in (119 cm) |
| Overall Height (No Canopy) | 45.7 in (116 cm) |
| Overall Height (With Canopy) | 68.5 in (174 cm) |
| Wheel Base | 65.7 in (167 cm) |
| Front Wheel Track | 35.5 in (90 cm) |
| Rear Wheel Track | 38.0 in (97 cm) |
| Gnd Clearance @ Differential | 4.5 in (11 cm) |

| Performance | |
|------------------------------|---|
| Seating Capacity | 2 Person |
| Dry Weight | 635 lb (290 kg) (Without Batteries) |
| Curb Weight | 935 lb (425 kg) |
| Vehicle load capacity | 800 lb (360 kg) |
| Outside Clearance Circle | 19.2 ft (5.8 m) |
| Intersecting Aisle Clearance | N/A |
| Speed (Level Ground) | 17.5 - 19.5 mph (28 - 31 kph) |
| Towing Capacity | 3 E-Z-GO Golf Cars with approved tow bars |

| Vehicle Power | |
|-----------------------|---|
| Power Source | 48 Volts DC |
| Motor Type | 48 Volt AC |
| Horsepower (kW) | 4.4 hp (3.3 kW) Continuous |
| Electrical System | 48 Volt |
| Batteries (Qty, Type) | Four, 12 Volt Deep Cycle |
| Key or Pedal Start | Pedal |
| Speed Controller | 235 Amp AC Controller |
| Drive Train | Motor Shaft Direct Drive |
| Transaxle | Limited Slip Differential |
| Gear Selection | Dash Mounted Forward-Neutral-Reverse |
| Rear Axle Ratio | 16.99:1 |
| Battery Charger | 48 VDC PowerWise™ OE High Frequency UL/CSA |

| Steering & Suspension | |
|-----------------------|---|
| Steering | Double Ended Rack & Pinion |
| Front Suspension | Independent A-Arm Coil Over Shock |
| Rear Suspension | Mono-Leaf Springs With Hydraulic Shocks |
| Service Brake | Induction Motor |
| Parking Brake | Automatic Electro-Magnetic |
| Front Tires | Links 18 x 8.50 - 8 (4 Ply Rated) |
| Rear Tires | Links 18 x 8.50 - 8 (4 Ply Rated) |

| Body & Chassis | |
|----------------|---|
| Frame | Welded Steel. DuraShield™ powder coat |
| Body & Finish | Injection molded TPO (Thermoplastic Olefin) |
| Standard Color | Forest Green |

Some items shown may be optional equipment



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OPTIONS & FIELD INSTALLED ACCESSORIES (Installation not included)*

| Item | Std | Opt | Fld | Item | Std | Opt | Fld |
|--|-----|-----|-----|--|-----|-----|-----|
| TIRES & WHEELS: | | | | Divot Repair | | | |
| Front & Rear: | | | | Sand Bottle | | | |
| Links 18 x 8.50 - 8 (4 Ply Rated) | ● | | | Sand Bucket, Driver Side | | ● | ● |
| T Shot, 18 x 8.50 - 8 (4 Ply Rated) | | ● | | Sand Bucket, Passenger Side | | ● | |
| Tour Max 18 x 8.50 - 10 on Alloy Wheels | | ● | | Glove Box Doors, Driver & Passenger | | ● | |
| USA Trail 18 x 8.50 - 8 (6 Ply Rated) | | ● | | Insert, No Sun Canopy | | ● | |
| Wheel Covers: | | | | Message Holder | | | |
| Spoke, Platinum | | ● | | Fender Scuff Guard | ● | | |
| COLORS: | | | | Sand Rake | | | |
| Body Color (Forest Green) - Freedom | ● | | | SoftSwipe Cleaner | | ● | |
| Body Color (Black) - Freedom | | ● | | Side Basket, Driver Side | | ● | |
| Body Color (Flame Red) - Freedom | | ● | | Side Basket, Passenger Side | | ● | |
| Body Color (Ivory) - Freedom | | ● | | Tow Bar (Temporary) | | | ● |
| Body Color (Molten Red) - Freedom | | ● | | WEATHER PROTECTION: | | | |
| Body Color (Patriot Blue) - Freedom | | ● | | Bag Cover (Tan) | | | ● |
| Body Color (Steel Blue) - Freedom | | ● | | Bag Cover (Oyster) | | | ● |
| Body Color (White) - Freedom | | ● | | Sun Canopy (Top) Oyster | | | ● |
| Body Color (Custom) - Freedom | | ● | | Sun Canopy (Top) Tan | | | ● |
| Cowl Color (Forest Green) - Electric Freedom | | ● | | Windshield Flat (Requires Sun Canopy) | | | ● |
| Cowl Color (Black) - Electric Freedom | | ● | | ELECTRICAL: | | | |
| Cowl Color (Flame Red) - Electric Freedom | | ● | | CE Kit | | | ● |
| Cowl Color (Ivory) - Electric Freedom | | ● | | Hand Held Diagnostic Unit | | | ● |
| Cowl Color (Molten Red) - Electric Freedom | | ● | | Headlights | ● | | |
| Cowl Color (Patriot Blue) - Electric Freedom | | ● | | Heavy Duty Batteries Batteries (T-1275) | | | ● |
| Cowl Color (Steel Blue) - Electric Freedom | | ● | | Horn | ● | | |
| Cowl Color (White) - Electric Freedom | | ● | | Taillights | ● | | |
| Cowl Color (Custom) - Electric Freedom | | ● | | Turn Signals | | | ● |
| Pin Stripes: | | | | Battery Chargers: | | | |
| Gold | | ● | | Battery Charger 48 V 10 ft (3.0 m) DC Cord | ● | | |
| Non Standard Color | | | | Battery Charger 48 V 18 ft (5.5 m) DC Cord | | | ● |
| Seating | | | | World Charger 48 V 3.0m (10.0 ft) Cord | | | |
| Seat Color (Stone Beige) | ● | | | World Charger 48 V 5.5m (18.0 ft) Cord | | | ● |
| Seat Color (Oyster) | | ● | | Headlights | ● | | |
| Seat Color (Custom) | | ● | | Heavy Duty Batteries Batteries (T-1275) | | | ● |
| OTHER PERFORMANCE: | | | | World Charger 48 V 5.5m (18.0 ft) Cord | | | |
| Ash Tray | | ● | | Headlights | ● | | |
| Battery Fill System Nozzle (Gun) | | | ● | Heavy Duty Batteries Batteries (T-1275) | | | ● |
| Battery Fill System | | ● | | | | | |
| Club & Ball Washer, Driver Side | | | ● | | | | |
| Club & Ball Washer, Passenger Side | | | ● | | | | |
| Cooler & Bracket, Driver Side | | ● | | | | | |
| Cooler & Bracket, Passenger Side | | ● | | | | | |
| Cooler Jug (Cube) & Bracket | | ● | | | | | |



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MODEL: RXV FREEDOM™

TYPE: GASOLINE POWERED PERSONAL GOLF CAR

MODEL YEAR: 2009

Part No.: 606603



PRODUCT SPECIFICATION

CONFIGURATION HIGHLIGHTS

- Engine:** 13 hp (9.7 kW) Exceeds SAE J1940 Standard, 4 cycle, 24.5 ci (401 cc) single cylinder, air-cooled by Kawasaki
 - **Valve Train:** Overhead valve
 - **Fuel System:** Fixed float bowl with remote pulse fuel pump
 - **Lubrication:** Pressurized oil system, spin-on oil filter
 - **Ignition:** Electronic spark/magneto
 - **Balancer:** Internal counter rotating balance shaft
 - **Air Cleaner:** Replaceable dry cartridge
- Electrical:** Starter/Generator, solid-state regulator, 12 Volt maintenance free battery (425 CCA, 60 minute reserve)
- Drive Train:** Automatic, continuously variable transmission (CVT)
- Brakes:** Dual rear wheel mechanical self-adjusting drum brakes. Single point park brake release with self-compensating system
- Transaxle:** Differential with helical gears, ground speed governor, forward/reverse
- Body Protection:** 360° energy transfer bumpers maximize vehicle protection from minor impact

PRODUCT OVERVIEW

| Dimensions | | Performance | |
|------------------------------|--|------------------------------|---|
| Overall Length | 94.5 In (240 cm) | Seating Capacity | 2 Person |
| Overall Width | 47.0 in (119 cm) | Dry Weight | 697 lb (316 kg) |
| Overall Height (No Canopy) | 45.7 in (116 cm) | Curb Weight | 747 lb (339 kg) |
| Overall Height (With Canopy) | 68.5 in (174 cm) | Vehicle load capacity | 800 lb (360 kg) |
| Wheel Base | 65.7 in (167 cm) | Outside Clearance Circle | 19.0 ft (5.8 m) |
| Front Wheel Track | 35.5 in (90 cm) | Intersecting Aisle Clearance | N/A |
| Rear Wheel Track | 38.0 in (97 cm) | Speed (Level Ground) | 19 mph ± 0.5 mph (31 kph ± 0.8 kph) |
| Gnd Clearance @ Differential | 3.3 in (8 cm) | Towing Capacity | 3 E-Z-GO Golf Cars with approved tow bars |
| Vehicle Power | | Steering & Suspension | |
| Power Source | 4 Cycle 24.5 cu in (401 cc) | Steering | Double Ended Rack & Pinion |
| Valve Train | Single Cylinder OHV | Front Suspension | Independent A-Arm Coil Over Shock |
| Horsepower (kW) | 13 hp (9.7 kW) Exceeds SAE J1940 Std. | Rear Suspension | Mono-Leaf Springs With Hydraulic Shocks |
| Electrical System | Starter/Generator. Solid State Regulator | Service Brake | Rear Wheel Mechanical Self-Adjusting Drums |
| Batteries (Qty, Type) | One, 12 Volt Maintenance Free | Parking Brake | Self-compensating, single point engagement |
| Key or Pedal Start | Pedal | Front Tires | Links 18 x 8.50 - 8 (4 Ply Rated) |
| Air Cleaner | Industrial Rated Dry Filter with Remote Intake | Rear Tires | Links 18 x 8.50 - 8 (4 Ply Rated) |
| Lubrication | Pressurized Oil System | Body & Chassis | |
| Oil Filter | Spin On | Frame | Welded Steel. DuraShield™ powder coat |
| Cooling System | Air Cooled | Body & Finish | Injection molded TPO (Thermoplastic Olefin) |
| Fuel Capacity | 6.2 Gallon (23.5 L) tank | Standard Color | Forest Green |
| Drive Train | Continuously variable transmission (CVT) | | |
| Transaxle | Differential with helical gears | | |
| Gear Selection | Forward - Reverse | | |
| Rear Axle Ratio | 11.42:1 (Forward) 15.78:1 (Reverse) | | |

Some items shown may be optional equipment



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OPTIONS & FIELD INSTALLED ACCESSORIES (Installation not included)*

| Item | Std | Opt | Fld | Item | Std | Opt | Fld |
|---|-----|-----|-----|--|-----|-----|-----|
| TIRES & WHEELS: | | | | ELECTRICAL: | | | |
| Front & Rear: | | | | Miscellaneous: | | | |
| Links 18 x 8.50 - 8 (4 Ply Rated) | ● | | | Brake Lights | ● | | |
| T Shot, 18 x 8.50 - 8 (4 Ply Rated) | | ● | | Headlights | ● | | |
| Tour Max 18 x 8.50 - 10 on Alloy Wheels | | ● | | Horn | ● | | |
| USA Trail 18 x 8.50 - 8 (6 Ply Rated) | | | | Hourmeter | | ● | |
| Wheel Covers: | | | | Taillights | ● | | |
| Spoke, Metallic Gold | | ● | | Turn Signals | | ● | |
| COLORS: | | | | WEATHER PROTECTION: | | | |
| Body Color (Forest Green) - Freedom | ● | | | Bag Cover (Stone Beige) | | | ● |
| Body Color (Black) - Freedom | | ● | | Bag Cover (Oyster) | | | ● |
| Body Color (Flame Red) - Freedom | | ● | | Sun Canopy (Top) Oyster | | | ● |
| Body Color (Ivory) - Freedom | | ● | | Sun Canopy (Top) Stone Beige | | | ● |
| Body Color (Burgundy) - Freedom | | ● | | Windshield Fold Down (Requires Sun Canopy) | | | ● |
| Body Color (Patriot Blue) - Freedom | | ● | | | | | |
| Body Color (Steel Blue) - Freedom | | ● | | | | | |
| Body Color (Inferno Red) - Freedom | | ● | | | | | |
| Body Color (Platinum) - Freedom | | ● | | | | | |
| Body Color (Electric Blue) - Freedom | | ● | | | | | |
| Body Color (Bright White) - Freedom | | ● | | | | | |
| Body Color (Almond) - Freedom | | ● | | | | | |
| Body Color (Custom) -Freedom | | ● | | | | | |
| Pin Stripes: | | | | | | | |
| Gold | | ● | | | | | |
| Seating: | | | | | | | |
| Seat Color (Stone Beige) | ● | | | | | | |
| Seat Color (Oyster) | | ● | | | | | |
| OTHER PERFORMANCE: | | | | | | | |
| Ash Tray | | ● | | | | | |
| Club & Ball Washer, Driver Side | | | ● | | | | |
| Club & Ball Washer, Passenger Side | | | ● | | | | |
| Cooler & Bracket, Driver Side | | ● | | | | | |
| Cooler & Bracket, Passenger Side | | ● | | | | | |
| Sand Bottle | | | ● | | | | |
| Sand Bucket, Driver Side | | ● | | | | | |
| Sand Bucket, Passenger Side | | ● | | | | | |
| Glove Box Doors, Driver & Passenger | | ● | | | | | |
| Insert, No Sun Canopy | | ● | | | | | |
| Message Holder | | | ● | | | | |
| Sand Rake | | | ● | | | | |
| SoftSwipe Cleaner | | ● | | | | | |
| Side Basket, Driver Side | | ● | | | | | |
| Side Basket, Passenger Side | | ● | | | | | |
| Mirror, 5 Panel Rear View | | | ● | | | | |
| Tow Bar (Temporary) | | | ● | | | | |
| Fender Scuff Guard | ● | | | | | | |