



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	•						