



CUSHMAN

MODEL: REFRESHER® FS2
TYPE: GASOLINE POWERED REFRESHMENT VEHICLE
MODEL YEAR: 2013
Part No: 633911



PRODUCT SPECIFICATION

CONFIGURATION HIGHLIGHTS

Each Refresher Unit Consist Of: Windshield with Frame; Struts and Slate Canopy; 2 Insulated Sliding Drawers with Locks; 2 lower storage cabinets with 3 shelves and 3 snack trays; Slide out Trash/recycle storage bin system, 2 plastic removable bins; Lower Rear Corner Storage Sections - both sides of endcap; Locking System for Holding & Changing Modules; Polar White Counter top; Left & Right Side Mirrors.

Modules: 6" Snack module with one dual-sided pullout polycarbon pegboard, hooks (6), baskets (2) and chip strips (2); 6" cup holder module with 5 internal racks; 12" module with adjustable shelves.

Upper Rear Endcap: Reversible insert for airpots and bottles; 3.0 liter airpots (2); shelves for napkins and bottles on back panel (3); shelves on inside of doors (6); Coffee/Creamer serving caddy (2).

- Engine: 13.5 hp (10.1 kW) Exceeds SAE J1940 Standard, 4 cycle, 24.5 ci (401 cc) single cylinder, air-cooled by Kawasaki
Valve Train: Overhead valve
Lubrication: Pressurized oil system, spin-on oil filter
Balancer: Internal counter rotating balance shaft
Fuel System: Fixed float bowl with remote pulse fuel pump
Ignition: Electronic spark/magneto
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
Canopy: Slate Canopy

Beverage Unit: 5000 Series Aluminum, Super Durable TGIC Polyester Powder Coating

Beverage Unit Storage Capacity:

- Hot/Cold Drawers: Two Drawers, total capacity 5.6 cu ft (.15 m3)
Merchandising Capacity: 14.4 cu ft (.40 m3)
Trash Bin Volume: 3.4 cu ft (0.96 m3)
Work Space: 10 ft2 (.92 m2)

PRODUCT OVERVIEW

Table with 2 columns: Dimensions and Performance. Rows include Overall Length, Overall Width, Overall Height (No Canopy), Overall Height (With Canopy), Wheel Base, Front Wheel Track, Rear Wheel Track, Gnd Clearance @ Differential.

Table with 2 columns: Performance and Steering & Suspension. Rows include Seating Capacity, Dry Weight, Curb Weight, Vehicle load capacity, Outside Clearance Circle, Intersecting Aisle Clearance, Speed (Level Ground), Towing Capacity.

Table with 2 columns: Vehicle Power and Body & Chassis. Rows include Power Source, Valve Train, Horsepower (kW), Electrical System, Batteries (Qty, Type), Key or Pedal Start, Air Cleaner, Lubrication, Oil Filter, Cooling System, Max Fuel Volume, Drive Train, Transaxle, Gear Selection, Rear Axle Ratio.

Table with 2 columns: Steering & Suspension and Body & Chassis. Rows include Steering, Front Suspension, Rear Suspension, Service Brake, Parking Brake, Front Tires, Rear Tires, Frame, Front Body & Finish, Rear Body & Finish, Standard Color.

Some items shown may be optional equipment



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Refresher Unit Dimensions

Refresher Unit Length	53.12 in (134.0 cm)
Refresher Unit Width	50.5 in (128.3 cm)
Refresher Unit Height	54.08 in (137.4 cm)
Refresher Unit Weight: All Parts	515 lb (233 kg)
Standard Color	Pebble Platinum
Canopy	Slate Canopy
Standard Module Configuration	24" (61cm) Total Capacity: - 6" (15.2 cm) Snack Pull Out - 12" (30.5 cm) Module with Adjustable Shelves - 6" (15.2 cm) Cup Holder Module with 5 Racks

Refresher Unit Dimensions Cont.

Maximum Merchandising Capacity	14.4 cu ft (.40 m3)
Hot/Cold Storage Drawer Vol. (Total)	5.6 cu ft (0.15 m3)
Cold Storage Drainage	Single Drain Per Drawer
Cold Storage Capacity	12 oz cans: 196 or 20 oz bottles: 130
Trash Bin Volume	3.4 cu ft (0.96 m3)
U Shaped Work Space	10 ft2 (.92 m2)
Beverage Unit	5000 Series Aluminum - TGIC Polyester Powder Coating - Visible Product Doors w/Locks

OPTIONS & FIELD INSTALLED ACCESSORIES (Installation not included)*

Item	Std	Opt	Fld
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Refresher Unit			
Base Unit, for FS2 - Pebble Platinum	X		
Refresher Countertop - Polar White	X		
Canopy - Slate	X		
End Cap with Trash & Recycle	X		
Windshield	X		
Side Mirrors	X		

Refresher Accessories

6" Snack Module with Hooks Kit	X		
6" Cup Holder Module - 5 internal Racks	X		
12" Snack Module with Hooks Kit			X
12" Module with 4 Adjustable Shelves	X		
12" Standard Shelves - 2 Pack			X
12" Wedge Shelves - 2 Pack			X
12" Single Airpot Holder -White			X
18" Module with 4 Adjustable Shelves			X
18" Standard Shelves - 2 Pack			X
18" Wedge Shelves - 2 Pack			X
18" Dual Airpot Holder - White			X
Consumable Ice Drawer Insert, SS, 10x10x20			X
3.0 Liter Airpot (2 Standard)	X	X	
Reversible Insert For Airpots/Bottles	X	X	
Napkin & Bottle Holder Shelves - 3 Pack w/Hardware	X	X	
Coffee/Creamer Serving Caddy - 2 Pack	X	X	
Mini Bottle Holder Shelves - 3 Pack w/Hardware	X	X	
Drawer Inserts: Candy & Sandwich Tray - 2 Pack			X
Snack Module Kit (6HKS, 2 Clip Strips, 2 Baskets)			X
Mini Tray Set - 3 Pack			X
Humidor			X

TIRES & WHEELS:

Front:			
Links 18 x 8.50 - 8 (4 Ply Rated)	X		
Turf Saver 18 x 8.50 - 8 (Load Range B)		X	
Rear:			
Load Star 18 x 8.50 - 8 (6 Ply Rated)	X		
Turf Saver 20 x 10 - 10 (4 Ply Rated)		X	
Wheel Covers:			
Spoke, Silver		X	
Spoke, Gold		X	

Item	Std	Opt	Fld
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COLORS:

Body Color Forest Green	X		
Body Color Ivory		X	
Body Color White		X	
Body Color Yellow		X	
Body Color Orange		X	
Custom Body Color (upon request)		X	

Seating:

Seat Color (Gray)	X		
Seat Color (Tan)		X	
Seat Color (Oyster)		X	
Custom Seat Color (upon request)		X	

Pinstripping

Black		X	
Silver		X	
Pewter		X	

ELECTRICAL:

Headlights	X		
Horn	X		
Low Oil Indicator	X		
Fuel Gauge	X		
Hour Meter	X		
Brake Lights		X	
LED Headlights		X	
Turn Signals with 4-Way Flashers		X	
12 Volt Outlet		X	
Heavy Duty Battery		X	
Unique Group Key Switch		X	
Unique Individual Key Switch		X	

OTHER PERFORMANCE:

Front Bumper & Guard (Black)	X		
Ash Tray		X	
Front Hydraulic Disc Brakes		X	
International Shipping		X	
CE Kit		X	
Rear Axle			
Limited Slip Differential		X	
High Altitude		X	