

MODEL: REFRESHER® FS4

TYPE: GASOLINE POWERED REFRESHMENT VEHICLE

MODEL YEAR: 2016 Part No: 639075



PRODUCT SPECIFICATION

CONFIGURATION HIGHLIGHTS

Refresher Unit Overview: Refresher unit designed for inventory of unopened, pre-packaged, non-perishable foods for distribution through daily use. This Refresher unit is not meant for long term food storage or storage of opened food and beverage items. Adherence to local food handling regulations.

Each Refresher Unit Consist Of: Windshield with Frame; Struts and Slate Canopy; 4 Insulated Sliding Drawers with Locks; Slide out Trash/recycle storage bin

Each Refresher Unit Consist Of: Windshield with Frame; Struts and Slate Canopy; 4 Insulated Sliding Drawers with Locks; 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 too: Left & Right Side Mirrors.

Accessories: Drawer Dividers (2); Consumable Ice Bin (1); Candy & Sandwich Tray (1).

Modules: 6" Snack module with one dual-sided pullout polycarbon pegboard, hooks (6), baskets (2) and chip strips (2); 18" Display Module with 4 adjustable shelves; 18" Cup & Display Module with 2 adjustable shelves/1 cup tray with 4 slots/1 beverage box and 1 dual airpot holder (18").

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).

• Ignition:

Air Cleaner:

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

Lubrication: Pressurized oil system, spin-on oil filter
 Balancer: Internal counter rotating balance shaft

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: Sunbrella®

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

Beverage Unit Storage Capacity:

• Cold Storage Cabinets: 4

• Merchandising Capacity: 21.1 cu ft (.59 m3)

• Trash Bin Volume 3.4 cu ft (0.96 m3)

Fuel System: Fixed float bowl with remote pulse fuel pump

Electronic spark/magneto

Replaceable dry cartridge

• Work Space: 13 ft2 (4 m2)

PRODUCT OVERVIEW

	FRODO	CIOVERVIEW	
Dimensions		Performance	
Overall Length	147 in (366 cm)	Seating Capacity	1 Person Std, 2 Persons Optional
Overall Width	54 in (137 cm)	Dry Weight	1470lb (661 kg)
Overall Height (No Canopy)	49 in (124 cm) (Top of steering wheel)	Curb Weight	1508 lb (684 kg)
Overall Height (With Canopy)	80 in (203 cm)	Vehicle load capacity	1015 lb (460 kg)
Wheel Base	93.5 in (235 cm)	Outside Clearance Circle	Left 26.8 ft (8.1 m), Right 25.2 ft (7.6 m)
Front Wheel Track	39.6 in (100 cm)	Intersecting Aisle Clearance	N/A
Rear Wheel Track Gnd Clearance @ Differential	39.5 in (100 cm) 4.5 in (11 cm)	Speed (Level Ground)	Fwd - 12 mph +/- 0.5 mph (19 kph +/-0.8 kph) Rev - 11 mph +/- 0.5 mph (17 kph +/-0.8 kph)
Vehicle Power		Towing Capacity	N/A
Power Source	4 Cycle 24.5 cu in (401 cc)	Steering & Suspension	
Valve Train	Single Cylinder OHV	Steering	Self-compensating rack and pinion
Horsepower (kW)	13 hp (10.1 kW) Exceeds SAE J1940 Std.	Front Suspension	Leaf springs with hydraulic shock absorbers
Electrical System	Starter/Generator. Solid State Regulator	Rear Suspension	Heavy Duty leaf springs with hydraulic shocks
Batteries (Qty, Type)	One, 12 Volt Maintenance Free	Service Brake	4 Wheel hydraulic, front disc/rear drum
Key or Pedal Start	Pedal	Parking Brake	Mechanical hand brake
Air Cleaner	Industrial Rated Dry Filter	Front Tires	Load Star 205/65-10
Lubrication	Pressurized Oil System	Rear Tires	Load Star 205/65-10
Oil Filter	Spin-On	Body & Chassis	
Cooling System	Air Cooled	Frame	Welded steel with DuraShield™ powder coat
Fuel Capacity	6.2 Gallon (23.5 L) tank	Front Body & Finish	Injection molded TPO
Drive Train	Continuously variable transmission (CVT)	Rear Body & Finish	Steel. Base coat/clear coat
Transaxle	Differential with helical gears	Standard Color	Forest Green
Gear Selection	Forward-Reverse	Noise & Vibration	
Rear Axle Ratio	16.53:1 (Forward) 16.81:1 (Reverse)	Noise	Sound pressure; continued A-weighted equal to or
			less than 78 db(A).
		Vibration, WBV	Highest RMS value of weighted acceleration is
		Vibration, HAV	less than 2.5 m/s2.
			Highest RMS value of weighted acceleration is
			less than 2.5 m/s2.
			The uncertainty of measurement is 1.08 m/s2
		Measurement methods were ap	oplied per the ISO 2631 and ISO 5349 standards
Some items shown may be of	ptional equipment	under conditions of typical vehic	cle surfaces



Refresher Unit Length 66.5 in (169 cm) Refresher Unit Width 51 in (130 cm) 55.5 in (140 cm) Refresher Unit Height 565 lb (256kg) Refresher Unit Weight Canopy Sunbrella® Standard Color Pebble Platinum Canopy Slate Canopy

Standard Module Configuration 42" (106 cm) Total Capacity:

- 6" (15.2 cm) Snack Pull Out

- 18" (35.7 cm) Module with Adjustable Shelves

- 18" (35.7 cm) Cup & Display Module

Refresher Unit Dimensions Cont.

Maximum Merchandising Capacity 21.1 cu ft (.59 m3) Cold Storage Drawer Vol. (Total) 11.1 cu ft (0.31 m3) Single Drain Per Drawer Cold Storage Drainage Cold Storage Capacity 12 oz cans: 400 Trash Bin Volume 3.4 cu ft (0.96 m3) U Shaped Work Space 13 ft2 (1.2 m2) Beverage Unit 5000 Series Aluminum

- TGIC Polyester Powder Coating

- Visible Product Doors w/Locks

OPTIONS & FIELD INSTALLED ACCESSORIES (Installation not included)

tem	Std	Opt	Fld
Refresher Unit			
Base Unit, for FS4 - Pebble Platinum	Χ		
Base Unit, for FS4 - Desert Stone		Χ	
Canopy - Slate (standard for Pebble Platinum unit)	Χ		
Canopy - Walnut Tweed (standard for Desert Stone unit)		Χ	
Canopy - Additional Color Options	<u> </u>	Χ	Χ
Refresher Countertop - Polar White	Χ		
Refresher Countertop - Mercury Gray, Sand Shade		Χ	
End Cap with Trash & Recycle	Χ		
Windshield	Χ		
Side Mirrors	Χ		

Refresher Accessories

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	6" Snack Module with Hooks Kit	Х	Х
	6" Cup Holder Module - 5 internal Racks	IIII	Х
	12" Snack Module with Hooks Kit	ПП	Х
	12" Module with 4 Adjustable Shelves	ΙΤΤ	Х
	12" Standard Shelves - 2 Pack	T	Х
	12" Wedge Shelves - 2 Pack	ΙΤΤ	Х
	12" Single Airpot Holder -White	1	Х
	18" Module with 4 Adjustable Shelves	Х	Χ
	18" Cup & Display Module	Х	Χ
	18" Standard Shelves - 2 Pack	1 1	Χ
	18" Wedge Shelves - 2 Pack	1	Х
	18" Dual Airpot Holder - White	1 1	Χ
	18" Food Warmer Module	1 1	Χ
	24" Keg Module	T	Х
	Food Warmer Bags	1 1	Χ
	Consumable Ice Drawer Insert, SS, 10x10x20	Х	Х
	3.0 Liter Airpot (2 Standard)	Х	Χ
	Reversible Insert For Airpots/Bottles	Х	Х
	Napkin & Bottle Holder Shelves - 3 Pack w/Hardware	Х	Χ
	Coffee/Creamer Serving Caddy - 2 Pack	Х	Х
	Mini Bottle Holder Shelves - 3 Pack w/Hardware	Х	Х
	Drawer Inserts: Candy & Sandwich Tray - 2 Pack	1 1	Χ
	Snack Module Kit (6HKS, 2 Clip Strips, 2 Baskets)	1 1	Х
	Mini Tray Set - 3 Pack	1 1	Χ
	Humidor	T	Х
	Drawer Dividers	Х	Χ
	Ice Sink - NSF rated		Χ

Item	Std	Opt	Fld
TIRES & WHEELS:			
Front & Rear:			
Load Star 205/65-10	Χ		
Wheel Covers:			
10" Painted Silver		Χ	

COLORS: Body Color Forest Green Body Color White Body Color Yellow Χ Body Color Orange Χ Body Color Black Χ Body Color Platinum Body Color Blue Χ Custom Body Color (upon request)

Seating:	<u> </u>		
Seat Color (Gray) Driver Only	Χ		
Seat Color (Gray) Driver & Pass		Χ	
Additional Seat Colors: Tan, White or Black	Ī	Χ	

OTHER PERFORMANCE:	<u> </u>		
Ash Tray		Χ	
Front Bumper & Guard (Black)	Χ		
High Altitude Jetting 3 - 6K ft (900 - 1800 m)	Ī	Χ	
High Altitude Jetting 6K + ft (1800 + m)	<u> </u>	Χ	
Horn	Χ		
Low Oil Indicator	Χ		
Glove Box Door (Locking) Driver & Passenger Sides		Χ	
Glove Box Door (Locking) Driver Side	Ī	Χ	
Glove Box Door (Locking) Passenger Side	Ī	Χ	ļ

ELECTRICAL:			
Brake Lights		Χ	
Headlights	Χ		
LED Headlights		Χ	
Turn Signals with 4-Way Flashers		Χ	
Unique Individual Key Switch		Χ	
12 Volt Outlet		Χ	
Hour Meter		Χ	