

2018

# FREERIDE™ 137 850 E-TEC®

NEW

## PACKAGE HIGHLIGHTS

- Rotax® 850 E-TEC® engine
- REV® Gen4 platform
- SHOT starter
- RAS™ 3 front suspension
- pDrive™ clutch with clickers
- RS running boards
- KYB Pro 36 R front shocks and KYB Pro 40 rear shocks aluminum piggyback with Easy-Adjust compression adjuster (22 clics)
- Ergo-step side panels
- rMotion™ rear suspension with reinforced rails
- 16 x 137 x 1.75 in. or 2.25 in. PowderMax™ with FlexEdge™ track choice
- Brembo racing brake with braided stainless-steel brake line
- Lightweight mountain seat
- RER™ electronic reverse
- Compact digital gauge
- Glove box with 4 L / 1 US gal of storage
- RF D.E.S.S.™ key
- Stiff grab handle on handlebar
- Sea level calibration
- Sway bar quick-disconnect
- Blank White canvas ready for custom wrapping



FREERIDE™ 137 850 E-TEC® shown

## ROTAX® ENGINE

	850E-TEC®
Engine details	Liquid-cooled, electronic R.A.V.E.™
Cylinders	2
Displacement	849 cc / 51.9 in. <sup>3</sup>
Bore	82 mm / 3.2 in.
Stroke	80.4 mm / 3.2 in.
Maximum engine speed	7,900 RPM
Carburation	Electronic Direct Injection with additional booster injectors
Recommended fuel type	Premium unleaded
Minimum octane	91
Fuel tank	36 L / 9.5 US gal
Oil tank capacity	3.4 L / 3.6 qt

## POWERTRAIN

	pDrive™
Drive clutch type	pDrive™
Driven clutch type	QRS
Engagement	3,800 RPM
Small sprocket number of teeth	23 (PowderMax™ 1.75 in.) 21 (PowderMax™ 2.25 in.)
Large sprocket number of teeth	45
Drive sprocket number of teeth	8
Drive sprocket diameter	183 mm / 7.2 in.
Brake system	Brembo racing brake with stainless-steel braided brake line

## DRY WEIGHT

218 kg / 481 lb

## FEATURES

Frame	REV® Gen4	Starter	Manual, Electric (Opt.), SHOT (Opt.)	Mirrors	Optional
Skis	Pilot™ DS 2	Reverse	RER™	Windshield	Optional
Seating	Mountain	Heated throttle lever	Standard	Runner	Square 5/16
Handlebar	Aluminum with J-hooks / Grab handle	Heated grips	Standard	Carbide configuration	102 mm / 4 in. at 90°
Riser block height	145 mm / 5.7 in.	Gauge	Compact	Hitch	Optional

## COLOR

White

## DIMENSIONS

Vehicle overall length	3,124 mm / 123 in.
Vehicle overall width	1,140 to 1,180 mm / 44.9 to 46.5 in.
Vehicle overall height	1,222 mm / 48.1 in.
Ski stance	975 or 1,020 mm / 38.4 or 40.2 in.
Ski overall length	1,040 mm / 41 in.
Track nominal width	406 mm / 16 in.
Track nominal length	3,487 mm / 137 in.
Track profile height	44.5 mm / 1.75 in. PowderMax™ FlexEdge™
Optional track	57.2 mm / 2.25 in. PowderMax™ FlexEdge™

## SUSPENSION

Front suspension	RAS™ 3
Front shock	KYB® Pro 36 R Easy-Adjust
Front suspension max. travel	220 mm / 8.7 in.
Rear suspension	rMotion™
Center shock	KYB® Pro 40 Easy-Adjust
Rear shock	KYB® Pro 40 Easy-Adjust
Rear suspension max. travel	270 mm / 10.6 in.



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## FEATURE HIGHLIGHTS



### Rotax® 850 E-TEC® engine

Next generation of the most advanced direct-injection two-stroke engine technology. Designed for reliability and durability with proven 4-stroke and diesel technologies.



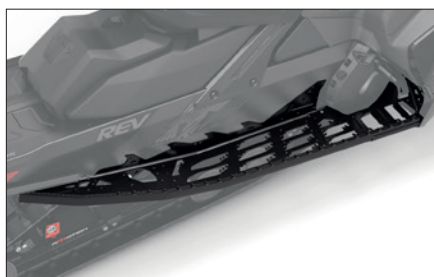
### pDrive™ clutch

Fast and friction-free dual rollers transfer torque in place of traditional sliding buttons on this 100% new clutch. Ultra-responsive shifting, impressive RPM consistency and lightweight.



### rMotion™ suspension

Sets new standards in comfort, capability and adjustability.



### RS running boards

Designed for aggressive stand-up riding, they are flatter for most of their length, wider and strong. Thicker aluminum sheet, plus front and rear reinforcements to withstand tough landings.



### SHOT starter

Push-button starting with almost no added weight. Uses energy stored in the lightweight ultracapacitor to turn the magneto and with E-TEC® technology, starts the engine.

### GAUGE FEATURES

Speedometer	Standard
Tachometer	Standard
Fuel	Standard
Engine temperature	Standard