

2018

FREERIDE™ 146 850 E-TEC®

NEW

PACKAGE HIGHLIGHTS

- Rotax® 850 E-TEC® engine
- REV® Gen4 platform
- SHOT starter
- RAS™ 3 front suspension
- pDrive™ clutch with clickers
- Ergo-step side panels
- 16 x 146 x 2.5 in. PowderMax® II with FlexEdge™ track
- KYB Pro 36 R front shocks and KYB Pro 40 rear shocks aluminum piggyback with Easy-Adjust compression adjuster (22 clics)
- Brembo racing brake with braided stainless-steel brake line
- Lightweight mountain seat
- RER™ electronic reverse
- Compact digital gauge
- tMotion™ rear suspension with reinforced rails
- Sway bar quick-disconnect
- Glove box with 4 L / 1 US gal of storage
- RS running boards
- Sea level calibration available
- Blank White canvas ready for custom wrapping



FREERIDE™ 146 850 E-TEC® shown

ROTAX® ENGINE

	850E-TEC®
Engine details	Liquid-cooled, electronic R.A.V.E.™
Cylinders	2
Displacement	849 cc / 51.9 in. ³
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	21
Large sprocket number of teeth	49
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

214 kg / 473 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	3,275 mm / 129 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	3,705 mm / 146 in.
Track profile height	63.5 mm / 2.5 in. PowderMax® II with 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	tMotion™
Center shock	KYB® Pro 40 Easy-Adjust
Rear shock	KYB® Pro 40 Easy-Adjust
Rear suspension max. travel	239 mm / 9.4 in.



FREERIDE™ 146 850 E-TEC® shown



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FEATURE HIGHLIGHTS



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.



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.



iMotion™ rear suspension

A swiveling rear arm and split front arm allow the skid to flex laterally for more predictable carving. More rising-rate motion ratio adds capacity and comfort.



KYB® Pro 36 R Easy-Adjust front shocks

Extreme capability, extreme durability shocks with new compression and rebound calibration ranges for optimized control the toughest conditions. Easy Adjust knobs for compression and rebound adjustments.



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.

GAUGE FEATURES

Speedometer	Standard
Tachometer	Standard
Fuel	Standard
Engine temperature	Standard