

2020 FREERIDE™ 146

PACKAGE HIGHLIGHTS

- Rotax® 850 E-TEC® engine
- REV® Gen4 platform with narrow-design bodywork
- E-TEC® 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 clicks)
- Brembo racing brake with braided stainless-steel brake line
- Lightweight deep snow seat
- RER™ electronic reverse
- Compact digital gauge
- tMotion™ rear suspension with reinforced rails
- Sway bar quick-disconnect
- Warm glove box with 4 L / 1 US gal of storage
- RS running boards
- Sea-level calibration available



FREERIDE™ 146 850 E-TEC® shown

ROTAX® ENGINE

850 E-TEC®

Engine details	Liquid-cooled, two-stroke, eRAVE™
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	E-TEC® 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

Drive clutch type	pDrive™ with clickers
Driven clutch type	QRS
Engagement	Sea-Level: 3,300 RPM High Altitude: 3,600 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

213 kg / 469 lb

FEATURES

Frame	REV® Gen4
Bodywork	Narrow design
Skis	Pilot™ DS 2
Seating	Deep snow
Handlebar	U-shaped aluminum with J-hooks / Grab handle

Riser block height	145 mm / 5.7 in.
Starter	Manual, Electric (opt.), SHOT (opt.)
Reverse	RER™
Heated throttle lever/ grips	Standard
Gauge	Compact

Mirrors	Optional
Windshield	Optional
Runner	Square 3/8
Carbide configuration	102 mm / 4 in. at 90°
Hitch	Optional

COLOR

Intense Blue 

DIMENSIONS

Vehicle overall length	3,110 mm / 122.4 in.
Vehicle overall width	1,140 to 1,180 mm / 44.9 to 46.5 in.
Vehicle overall height	1,348 mm / 53.1 in.
Ski stance	975 or 1,020 mm / 38.4 or 40.2 in.
Ski overall length	1,049 mm / 41.3 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



E-TEC® 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 long-lasting automotive technologies.



tMotion™ 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 compression and rebound calibration ranges for optimized control in 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