

2020

FREERIDE™ 154 / 165

PACKAGE HIGHLIGHTS

- E-TEC® SHOT™ starter
- Rotax® 850 E-TEC® engine
- REV® Gen4 platform with narrow-design bodywork
- pDrive™ clutch with clickers
- RAS™ 3 front suspension
- Ergo-Step side panels
- 16 x 154 / 165 x 2.5 or 3.0 in. PowderMax® Light with FlexEdge™ track
- KYB® Pro 36 R front shocks with **new lightweight ski spindle and ski stopper**
- 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 and ice scratchers
- Sway bar quick-disconnect
- Warm glove box with 4 L / 1 US gal of storage
- **Full-length extruded profile running boards with large openings**
- Sea-level calibration available on all configurations



FREERIDE™ 154 850 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	51 (154 in.) 53 (165 in.)
Drive sprocket number of teeth	6
Drive sprocket diameter	164 mm / 6.5 in.
Brake system	Brembo racing brake with stainless-steel braided brake line

DRY WEIGHT

205 kg / 451 lb (154 in.)
208 kg / 458 lb (165 in.)

FEATURES

Frame	REV® Gen4	Riser block height	165 mm / 6.5 in.	Mirrors	Optional
Bodywork	Narrow design	Starter	Manual, Electric (opt.), SHOT (opt.)	Windshield	Optional
Skis	Pilot™ DS 3	Reverse	RER™	Runner	Square 3/8
Seating	Deep snow	Heated throttle lever/ grips	Standard	Carbide configuration	102 mm / 4 in. at 90°
Handlebar	U-shaped aluminum with J-hooks / Grab handle	Gauge	Compact	Hitch	Optional

COLOR

Intense Blue 

DIMENSIONS

Vehicle overall length	3,312 mm / 130.4 in. (154 in.) 3,445 mm / 135.6 in. (165 in.)
Vehicle overall width	1,080 to 1,110 mm / 42.5 to 43.7 in.
Vehicle overall height	1,368 mm / 53.9 in.
Ski stance	910 or 950 mm / 35.8 or 37.4 in.
Ski overall length	1,058 mm / 41.7 in.
Track nominal width	406 mm / 16 in.
Track nominal length	3,912 mm / 154 in. 4,178 mm / 165 in.
Track profile height	63.5 mm / 2.5 in. PowderMax® Light with FlexEdge™
Optional track	76.2 mm / 3.0 in. PowderMax® Light with FlexEdge™

SUSPENSION

Front suspension	RAS™ 3
Front shock	KYB® Pro 36 R Easy-Adjust
Front suspension max. travel	215 mm / 8.5 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™ 165 850 E-TEC® shown



FREERIDE™ 154 850 E-TEC® shown

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.



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.



Improved profile running boards

Front to back extruded grid-style board allowing snow to pass easily through, preventing washout and trenching, plus clears footrests for grip. Flatter foot position for comfort and control.



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.

GAUGE FEATURES

Speedometer	Standard
Tachometer	Standard
Fuel	Standard
Engine temperature	Standard