

# 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. <sup>3</sup>
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
Bodywork	Narrow design
Skis	Pilot™ DS 3
Seating	Deep snow
Handlebar	U-shaped aluminum with J-hooks / Grab handle

Riser block height	165 mm / 6.5 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	3,312 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