

2020 FREERIDE™ 137

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
- RS running boards
- KYB® Pro 36 R front shocks and KYB® Pro 40 rear shocks aluminum piggyback with Easy-Adjust compression adjuster (22 clicks)
- 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 deep snow seat
- RER™ electronic reverse
- Compact digital gauge
- Warm 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



FREERIDE™ 137 850 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	2,900 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

215 kg / 473 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	3,038 mm / 119.6 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	3,487 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.



FREERIDE™ 137 850 E-TEC® shown



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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 long-lasting automotive technologies.



pDrive™ clutch

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



rMotion™ rear suspension

Sets 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.



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.

GAUGE FEATURES

Speedometer	Standard
Tachometer	Standard
Fuel	Standard
Engine temperature	Standard