2019 FREERIDE™ 137

PACKAGE HIGHLIGHTS

- Rotax® 850 E-TEC® engine
- REV® Gen4 platform with narrow-design bodywork
- E-TÉC® 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
- $\bullet \ \ \text{rMotion}^{\scriptscriptstyle{\text{TM}}}$ 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 mountain 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, 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	3,800 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	216 kg / 476 lb	

COLOR

ehero	Rlue	

DIMENSIONS

Vehicle overall length	3,014 mm / 118.7 in.
Vehicle overall width	1,140 to 1,180 mm / 44.9 to 46.5 in.
Vehicle overall height	1,368 mm / 53.9 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

RAS™ 3
KYB [†] Pro 36 R Easy-Adjust
220 mm / 8.7 in.
rMotion™
KYB [†] Pro 40 Easy-Adjust
KYB [†] Pro 40 Easy-Adjust
270 mm / 10.6 in.

FEATURES

Frame	REV® Gen4
Bodywork	Narrow design
Skis	Pilot™ DS 2
Seating	Mountain
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
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Mirrors	Optional
Windshield	Optional
Runner	Square 3/8
Carbide configuration	102 mm / 4 in. at 90°
Hitch	Optional

FREERIDE™ 137 850 E-TEC® shown

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.



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.



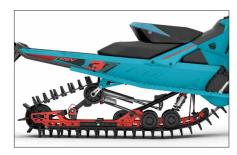
pDrive[™] clutch

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



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.



rMotion™ rear suspension

Sets standards in comfort, capability and adjustability.

GAUGE FEATURES

Speedometer	Standard
Tachometer	Standard
Fuel	Standard
Engine temperature	Standard

