

2021 SUMMIT® X® WITH EXPERT PACKAGE

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// WHAT'S NEW

- Rotax® 850 E-TEC® Turbo engine available
- One-piece lightweight hood on all configuration
- E-TEC® SHOT™ starter standard
- 4.5-in. digital display
- 175 x 3.0 x 16 in. track choice
- Ultra compact and lightweight deep snow seat

// PACKAGE HIGHLIGHTS

- Specialized package with dedicated configuration and features developed with our Backcountry Experts to conquer the most technical terrains
- Short tunnel with lightweight snowflap
- Rotax® 850 E-TEC® engine available
- RAS® 3 front suspension with lightweight ski spindle and revised ski stopper to reduce ski drag and improve predictability in technical sidehills
- REV® Gen4 platform with narrow-design bodywork
- Full-length extruded profile running boards with large openings
- tMotion™ rear suspension with ice scratchers and adjustable limiter strap
- Shock package with stiffer calibration: Kashima coated HPG Plus front shocks with lightweight springs, HPG Plus center shock with lightweight springs and KYB® Pro 36 rear shock aluminum piggyback with Easy-Adjust compression adjuster [22 clicks]
- PowderMax® Light with FlexEdge™ track choice: 16 x 154 x 2.5 or 3.0 in or 16 x 165 / 175 x 3.0 in.
- Two ULTIMATE color choices with panel wrap: Supreme look and finish, maximum protection
- Flexible handguards
- Short riser block (120 mm / 4.7 in.)
- Sea-level calibration available on select 850 E-TEC configurations



SUMMIT® X® WITH EXPERT PACKAGE
165 850 E-TEC® TURBO SHOWN



SUMMIT® X® WITH EXPERT PACKAGE 154 850 E-TEC® TURBO SHOWN



SUMMIT® X® WITH EXPERT PACKAGE 165 850 E-TEC® TURBO SHOWN

ROTAX® ENGINE	850 E-TEC® Turbo	850 E-TEC®
Engine details	Liquid-cooled, two-stroke, turbocharged, eRAVE™	Liquid-cooled, two-stroke, eRAVE™
Cylinders	2	2
Displacement	849 cc / 51.9 in. ³	849 cc / 51.9 in. ³
Bore	82 mm / 3.2 in.	82 mm / 3.2 in.
Stroke	80.4 mm / 3.2 in.	80.4 mm / 3.2 in.
Maximum engine speed	7,900 RPM	7,900 RPM
Carburation	E-TEC® direct injection with additional booster injectors	E-TEC® direct injection with additional booster injectors
Recommended fuel type	Premium unleaded	Premium unleaded
Minimum octane	91	91
Fuel tank	36 L / 9.5 US gal	36 L / 9.5 US gal
Oil tank capacity	3.4 L / 3.6 qt	3.4 L / 3.6 qt
	208 kg / 458 lb [154 in.] 212 kg / 468 lb [165 in.] 215 kg / 474 lb [175 in.]	198 kg / 437 lb [154 in.] 202 kg / 446 lb [165 in.] 207 kg / 453 lb [175 in.]

DRY WEIGHT

POWERTRAIN

Drive clutch type	pDrive™ with clickers	pDrive™ with clickers
Driven clutch type	QRS	QRS
Engagement	3,800 RPM	Sea-Level: 3,300 RPM High Altitude : 3,600 RPM [154 - 165 in.] 3,900 [175 in.]
Small sprocket number of teeth	21	21
Large sprocket number of teeth	53	51 [154 in.] 53 [165 - 175 in.]
Drive sprocket number of teeth	6	6
Drive sprocket diameter	164 mm / 6.5 in.	164 mm / 6.5 in.
Drive sprocket pitch	89 mm / 3.5 in.	89 mm / 3.5 in.
Brake system	Brembo racing brake with stainless-steel braided brake line	Brembo racing brake with stainless-steel braided brake line

SUSPENSION

Front suspension	RAS® 3
Front shock	Kashima coated HPG™ Plus with lightweight springs
Front suspension travel	215 mm / 8.5 in.
Rear suspension	tMotion™ with adjustable limiter strap
Center shock	HPG™ Plus with lightweight spring
Rear Shock	KYB® Pro 36 Easy-Adjust
Rear suspension travel	239 mm / 9.4 in.

COLOR

ULTIMATE Black / Catalyst Grey / Lava Red

ULTIMATE Steel Black Metallic

DIMENSIONS

Vehicle overall length	3,188 mm / 125.5 in. [154 in.] 3,299 mm / 129.9 in. [165 in.] 3,454 mm / 136 in. [175 in.]
Vehicle overall width	1,080 to 1,110 mm / 42.5 to 43.7 in.
Vehicle overall height	1,306 mm / 51.4 in.
Ski stance	910 or 950 mm / 35.8 or 37.4 in.
Track (Length x Width x Profile)	PowderMax® Light with FlexEdge™: 154 x 16 x 3.0 in. [3,912 x 406 x 76 mm] 165 x 16 x 3.0 in. [4,178 x 406 x 76 mm] 175 x 16 x 3.0 in. [4,445 x 406 x 76 mm]

FEATURES

Frame	REV® Gen4
Bodywork	Narrow design
Skis	Pilot™ DS 3
Seating	Deep snow ultra compact and lightweight
Handlebar	Tapered U-shaped aluminum with J-hooks / Low grab handle / Flexible handguards
Riser block height	120 mm / 4.7 in.
Starter	SHOT
Reverse	RER™
Heated throttle lever / grips	Standard
Gauge type	4.5 in. digital display
Windshield	Optional
Runner	Square 3/8
Carbide configuration	102 mm / 4 in. at 90°
Bumpers (Front/Rear)	Std / Std

// FEATURE HIGHLIGHTS



Rotax 850 E-TEC® Turbo engine

The first-ever factory-built 2-stroke turbocharged engine in any industry. It boasts instant response and a full 165 HP up to 8,000 feet of elevation. Sophisticated design integrates flawlessly with the REV Gen4 platform for maximum agility. Factory install ensures peace of mind.



Specialized ergonomics

Input from our team of Backcountry Experts resulted in a purpose-built sled for a better deep-snow experience with lower seat height, shorter riser, smaller diameter handlebars and low handlebar strap for the ultimate advantage in the most technical terrains.



Lightweight ski spindle

Lightweight alloy spindle with revised geometry and new ski stopper to reduce ski drag for more predictable handling and a confidence-inspiring ride in technical sidehills and rough terrain.



tMotion™ with adjustable limiter strap

Quickly and easily change limiter strap length for desired ski lift without crawling under the sled.



Rotax® 850 E-TEC® engine with SHOT™ starter

Next generation of the most advanced direct-injection two-stroke engine technology. Push-button starting with almost no added weight.



4.5-in. digital display

All-digital LCD gauge cluster with flatter viewing angle for an easy-to-read info center whether standing or sitting.

ski-doo

