

2021 SUMMIT® SP

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// WHAT'S NEW

- 4.5-in. digital display
- Lightweight ski spindle and revised ski stopper to reduce ski drag and improve predictability in technical sidehills
- Smaller diameter handlebar ends and handgrips
- Low handlebar strap

// PACKAGE HIGHLIGHTS

- Deep snow running boards with large openings
- REV® Gen4 platform with narrow-design bodywork
- Rotax® 850 E-TEC® and 600R E-TEC® engines
- E-TEC® SHOT™ starter available
- tMotion™ rear suspension with ice scratchers
- PowderMax® with FlexEdge™ track choice: 850 E-TEC®: 16 x 146 / 154 / 165 x 2.5 in. or 16 x 154 / 165 / 175 x 3.0 in. 600R E-TEC®: 16 x 146 / 154 x 2.5 in. or 16 x 154 x 3.0 in.
- Warm glove box with 4 L / 1 US gal of storage



SUMMIT® SP 165 850 E-TEC® SHOWN



SUMMIT® SP 154 600R E-TEC® SHOWN



SUMMIT® SP 175 850 E-TEC® SHOWN

ROTAX® ENGINE	850 E-TEC®	600R E-TEC®
Engine details	Liquid-cooled, two-stroke, eRAVE™	Liquid-cooled, two-stroke, eRAVE™
Cylinders	2	2
Displacement	849 cc / 51.9 in. ³	599.4 cc / 36.6 in. ³
Bore	82 mm / 3.2 in.	72.3 mm / 2.85 in.
Stroke	80.4 mm / 3.2 in.	73 mm / 2.87 in.
Maximum engine speed	7,900 RPM	8,100 RPM
Carburation	E-TEC® direct injection with additional booster injectors	E-TEC® direct injection
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 / 459 lb [146 in.] 206 kg / 454 lb [154 in.] 209 kg / 460 lb [165 in.] 212 kg / 468 lb [175 in.]	204 kg / 449 lb [146 in.] 202 kg / 445 lb [154 in.]

DRY WEIGHT

POWERTRAIN

	pDrive™ with clickers	pDrive™ with clickers
Drive clutch type	pDrive™ with clickers	pDrive™ with clickers
Driven clutch type	QRS	QRS
Engagement	3,600 RPM [146 - 154 - 165 in.] 3,900 [175 in.]	3,400 RPM
Small sprocket number of teeth	21	21
Large sprocket number of teeth	49 [146 in.] 51 [154 in.] 53 [165 - 175 in.]	51 [146 in.] 53 [154 in.]
Drive sprocket number of teeth	8 [146 in.] 6 [154 - 165 - 175 in.]	8 [146 in.] 6 [154 in.]
Drive sprocket diameter	183 mm / 7.2 in. [146 in.] 164 mm / 6.5 in. [154 - 165 - 175 in.]	183 mm / 7.2 in. [146 in.] 164 mm / 6.5 in. [154 in.]
Drive sprocket pitch	73 mm / 2.86 in. [146 in.] 89 mm / 3.5 in. [154 - 165 - 175 in.]	73 mm / 2.86 in. [146 in.] 89 mm / 3.5 in. [154 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	HPG™
Front suspension travel	215 mm / 8.5 in.
Rear suspension	tMotion™
Center shock	HPG™
Rear Shock	HPG™
Rear suspension travel	239 mm / 9.4 in.

COLOR

Lava Red / Black

Black

DIMENSIONS

Vehicle overall length	3,208 mm / 122.4 in. [146 in.] 3,318 mm / 130.6 in. [154 in.] 3,451 mm / 135.9 in. [165 in.] [850 E-TEC® only] 3,503 mm / 141.1 in. [175 in.] [850 E-TEC® only]
Vehicle overall width	1,080 to 1,110 mm / 42.5 to 43.7 in.
Vehicle overall height	1,395 mm / 54.9 in.
Ski stance	910 or 950 mm / 35.8 or 37.4 in.
Track (Length x Width x Profile)	PowderMax® II with FlexEdge™: 146 x 16 x 2.5 in. [3,705 x 406 x 64 mm] PowderMax® Light with FlexEdge™: 154 x 16 x 2.5 in. [3,912 x 406 x 64 mm] 154 x 16 x 3.0 in. [3,912 x 406 x 76 mm] opt. 165 x 16 x 2.5 in. [4,178 x 406 x 64 mm] 165 x 16 x 3.0 in. [4,178 x 406 x 76 mm] opt. 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
Handlebar	Tapered U-shaped aluminum with J-hooks / Low grab handle
Riser block height	165 mm / 6.5 in.
Starter	Manual [Specific models only*], Electric [opt.], SHOT [opt.]
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



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® and 600R E-TEC® engines

Incredible power and unmatched dynamic response with exclusive E-TEC® direct-injection technology. Plasma-coated, mono-block cylinders are used for exceptional durability, while the precision of E-TEC® injection means you get excellent fuel and oil economy.



Deep snow Ergo-Step side panels

Rear section of the panels are ergonomically shaped to support the rider's shins on downhills. Narrow profile and shape at bottom minimizes paneling out in sidehilling. Bottom pan is shaped for flotation in carving and sidehilling.



pDrive™ clutch

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



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.



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.

