

2020 SUMMIT® SP



SUMMIT® SP 175 850 E-TEC® shown

PACKAGE HIGHLIGHTS

- E-TEC® SHOT™ starter
- Rotax® 850 E-TEC® and 600R E-TEC® engines
- RAS™ 3 front suspension
- REV® Gen4 platform with narrow-design bodywork
- PowderMax¹ 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.²
- tMotion™ rear suspension with ice scratchers
- Pilot™ DS 3 skis
- Ergo-Step side panels
- Adjustable narrow ski stance
- Brembo racing brake with braided stainless-steel brake line
- RER™ electronic reverse
- Compact digital gauge
- Warm glove box with 4 L / 1 US gal of storage
- Improved deep snow running boards with large openings
- RF D.E.S.S.™ key
- Stiff grab handle on handlebar
- pDrive™ clutch with clickers

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

POWERTRAIN

	850 E-TEC®	600R E-TEC®
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.)
Brake system	Brembo racing brake with stainless-steel braided brake line	Brembo racing brake with stainless-steel braided brake line
	204 kg / 449 lb (146 in.) 204 kg / 450 lb (154 in.) 208 kg / 457 lb (165 in.) 211 kg / 465 lb (175 in.)	201 kg / 442 lb (146 in.) 201 kg / 443 lb (154 in.)

DRY WEIGHT

FEATURES

Frame	REV® Gen4	Riser block height	165 mm / 6.5 in.	Mirrors	Optional
Bodywork	Narrow design	Starter	Manual (Specific models only*), Electric (opt.), SHOT (opt.)	Windshield	Optional
Skis	Pilot™ DS 3	Reverse	RER™	Runner	Square 3/8
Seating	Deep snow	Heated throttle lever/ grips	Standard	Carbide configuration	102 mm / 4 in. at 90°
Handlebar	U-shaped aluminum with J-hooks / Grab handle	Gauge	Compact	Hitch	Optional

COLOR

Octane Blue / Black 
Black 

DIMENSIONS

Vehicle overall length	3,110 mm / 122.4 in. (146 in.) 3,312 mm / 130.4 in. (154 in.) 3,445 mm / 135.6 in. (165 in.) (850 E-TEC® only) 3,503 mm / 137.9 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	1,386 mm / 54.6 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	3,705 mm / 146 in. / 3,912 mm / 154 in. 4,178 mm / 165 in. (850 E-TEC® only) 4,445 mm / 175 in. (850 E-TEC® only)
Track profile height	63.5 mm / 2.5 in. PowderMax¹ II with FlexEdge™ (146 in.) or 63.5 mm / 2.5 in. PowderMax¹ Light with FlexEdge™ (154 in. - 165 in.) or 76.2 mm / 3.0 in. PowderMax¹ Light with FlexEdge™ (175 in.)
Optional track	76.2 mm / 3.0 in. PowderMax¹ Light with FlexEdge™ (154 in. - 165 in.)

SUSPENSION

Front suspension	RAS™ 3
Front shock	HPG™
Front suspension max. travel	215 mm / 8.5 in.
Rear suspension	tMotion™
Center shock	HPG™
Rear shock	HPG™
Rear suspension max. travel	239 mm / 9.4 in.



SUMMIT® SP 165 850 E-TEC® shown



SUMMIT® SP 154 600R 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® 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.

GAUGE FEATURES

Speedometer	Standard
Tachometer	Standard
Fuel	Standard
Engine temperature	Standard