

2018

SUMMIT SP 850 E-TEC

PACKAGE HIGHLIGHTS

- **SHOT starter**
- Rotax® 850 E-TEC® engine
- RAS™ 3 front suspension
- REV® Gen4 platform
- PowderMax¹ with FlexEdge™ track choice: 16 x **146** / 154 / 165 x 2.5 in. or 16 x 154 / 165 / **175** x 3.0 in.
- 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
- Running boards with large opening
- RF D.E.S.S.™ key
- Stiff grab handle on handlebar
- pDrive™ clutch with clickers



SUMMIT® SP 146 850 E-TEC® shown

ROTAX® ENGINE

	850E-TEC®
Engine details	Liquid-cooled, electronic R.A.V.E.™
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	Electronic 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™
Driven clutch type	QRS
Engagement	3,800 RPM
Small sprocket number of teeth	19 (154 in. - 175 in.) 21 (146 in. - 165 in.)
Large sprocket number of teeth	45 (154 in.) 49 (146 in. - 175 in.) 51 (165 in.)
Drive sprocket number of teeth	6
Drive sprocket diameter	166 mm / 6.5 in.
Brake system	Brembo racing brake with stainless-steel braided brake line

DRY WEIGHT

203 kg / 448 lb (146 in.) 203 kg / 447 lb (154 in.)
206 kg / 454 lb (165 in.) **210 kg / 462 lb (175 in.)**

COLOR

Sunburst Yellow / Black

Black

DIMENSIONS

Vehicle overall length	3,275 mm / 129 in. (146 in.) 3,422 mm / 134.7 in. (154 in.) 3,555 mm / 140 in. (165 in.) 3,600 mm / 141.7 in. (175 in.)
Vehicle overall width	1,080 to 1,110 mm / 42.5 to 43.7 in.
Vehicle overall height	1,359 mm / 53.5 in.
Ski stance	907 mm or 950 mm / 35.7 or 37.4 in.
Ski overall length	1,040 mm / 41 in.
Track nominal width	406 mm / 16 in.
Track nominal length	3,705 mm / 146 in. 3,923 mm / 154 in. 4,178 mm / 165 in. 4,445 mm / 175 in.
Track profile height	63.5 mm / 2.5 in. PowderMax¹ II with FlexEdge™ (146 in.) or 63.5 mm / 2.5 in. PowderMax ¹ 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. PowderMax ¹ 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.

FEATURES

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



SUMMIT® SP 165 850 E-TEC® shown



SUMMIT® SP 175 850 E-TEC® shown

FEATURE HIGHLIGHTS



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® engine

Next generation of the most advanced direct-injection two-stroke engine technology. Designed for reliability and durability with proven 4-stroke and diesel technologies.



Summit 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 on this 100% new clutch. Ultra-responsive shifting, impressive RPM consistency and lightweight.



tMotion™ 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