

# 2020 SUMMIT® 850 E-TEC® TURBO

NEW

## // WHAT'S NEW

- Rotax® 850 E-TEC® Turbo
- One-piece lightweight hood

## // PACKAGE HIGHLIGHTS

- Short tunnel with lightweight snowlap
- REV® Gen4 platform with narrow-design bodywork
- RAS™ 3 front suspension with lightweight ski spindle and revised ski stopper to reduce ski drag and improve predictability in technical sidehills
- E-TEC® SHOT™ starter
- Compact digital gauge
- Full-length extruded profile running boards with large openings
- tMotion™ rear suspension with ice scratchers and adjustable limiter strap
- Kashima coated HPG Plus front shocks with lightweight springs, HPG Plus center shock with lightweight springs and HPG Plus rear shock
- PowderMax® Light with FlexEdge™ track: 16 x 165 x 3.0 in.
- Smaller diameter handlebar ends and handgrips
- Compact and lightweight deep snow seat



SUMMIT® 165 850 E-TEC® TURBO SHOWN

ROTAX® ENGINE	850 E-TEC® Turbo
Engine details	Liquid-cooled, two-stroke, turbocharged, eRAVE™
Cylinders	2
Displacement	849 cc / 51.9 in. <sup>3</sup>
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

DRY WEIGHT	211 kg / 466 lb
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POWERTRAIN	
Drive clutch type	pDrive™ with clickers
Driven clutch type	QRS
Engagement	3,800 RPM
Small sprocket number of teeth	21
Large sprocket number of teeth	53
Drive sprocket number of teeth	6
Drive sprocket diameter	164 mm / 6.5 in.
Drive sprocket pitch	89 mm / 3.5 in.
Brake system	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	HPG™ Plus
Rear suspension travel	239 mm / 9.4 in.

COLOR	
ULTIMATE Sunburst Yellow / Black	
DIMENSIONS	
Vehicle overall length	3,299 mm / 129.9 in.
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® Light with FlexEdge™: 165 x 16 x 3.0 in. (4,178 x 406 x 76 mm)

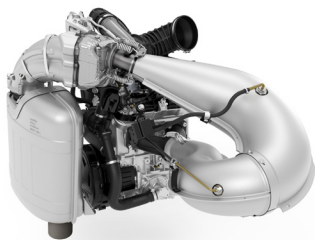
FEATURES	
Frame	REV® Gen4
Bodywork	Narrow design
Skis	Pilot™ DS 3
Seating	Deep snow compact and lightweight
Handlebar	Tapered U-shaped aluminum with J-hooks / Low grab handle
Riser block height	120 mm / 4.7 in.
Starter	SHOT
Reverse	RER™
Heated throttle lever / grips	Standard
Gauge type	Compact
Windshield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

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## // 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.



### 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.



### One-piece lightweight hood

One-piece Polypropylene construction instantly drops 6 lbs. of weight. Optimized ventilation for heat dispersion and noise reduction.



### 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.



### Short tunnel

Shorter tunnel length without snowlap for greater deep snow capabilities with more clearance and lighter overall weight. Standard rear fender with LinQ-ready attachment points.



### tMotion™ with adjustable limiter strap

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

**ski-doo**

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