

2027

SUMMIT® EXPERT

The ultimate precise and predictable deep-snow sled with features sharpened for most technical terrains.



SUMMIT EXPERT 154
850 E-TEC TURBO R SHOWN

// WHAT'S NEW

- Aluminum A-arms
- tMotion Lock-Out with coil-over
- 3 choices of premium color with 10.25 in. gauge

// PACKAGE HIGHLIGHTS

- Rotax® 850 E-TEC® Turbo R and 850 E-TEC® engines available
- REV® Gen5 Lightweight platform
- Super-short tunnel and radiator
- Improved Pilot™ DS 4 skis
- 10.25 in. touchscreen display featuring BRP Connect, built-in GPS with Group Ride
- Twin Link Steering
- RAS™ 3 front suspension with 32-inch ski stance
- Premium high-performance LED headlights
- KYB Pro 36 EA-3 piggyback front shocks
- 154 x 16 x 2.5 PowderMax¹ Light with full-width rods track option
- PowderMax¹ X-Light 3 in. track options with full-width rods
- E-TEC® SHOT™ starter standard
- Narrow extruded profile running boards with extra-large openings
- Flexible handguards
- Short riser block (120 mm / 4.7 in.)
- Sea-level calibration available on select configurations
- Narrow bodywork
- Ultra compact and lightweight deep snow seat
- Belt-monitoring system
- Adjustable brake lever

ROTAX ENGINE	850 E-TEC TURBO R	850 E-TEC
Engine details	Liquid-cooled, two-stroke, turbocharged, eRAVE™	Liquid-cooled, two-stroke, eRAVE™
Horsepower*	180 up to 8,000 ft	165
Cylinders – Displacement	2 - 849 cc	2 - 849 cc
Bore – Stroke (mm)	82 x 80.4	82 x 80.4
Fuel system	E-TEC® direct injection with additional booster injectors	E-TEC® direct injection with additional booster injectors
Fuel type – Octane	Premium unleaded - 91	Premium unleaded - 91
Fuel tank (L/US gal)	36 / 9.5	36 / 9.5
Oil tank capacity (L/qt)	3.4 / 3.6	3.4 / 3.6

POWERTRAIN	850 E-TEC TURBO R	850 E-TEC
Drive clutch	pDrive™ with clickers / QRS Vent	pDrive™ with clickers / QRS Vent
Driven clutch	Plus	Plus
Drive sprocket pitch (mm/in.)	89 / 3.5	89 / 3.5

DRY WEIGHT	850 E-TEC TURBO R	850 E-TEC
Dry weight (lb)	456 [154 in.] 460 [165 in.]	434 [154 in.]
Wet weight (lb)	538 [154 in.] 542 [165 in.]	515 [154 in.]

DIMENSIONS	850 E-TEC TURBO R	850 E-TEC
Vehicle overall length (mm/in.)	3,188 / 125.5 [154 in.] 3,299 / 129.9 [165 in.]	
Vehicle overall width (mm/in.)	971 / 38.25	
Vehicle overall height (mm/in.)	1,306 / 51.4	
Ski stance (mm/in.)	813 / 32	
Available tracks (in.) <small>(Length x width x profile)</small>	PowderMax ¹ Light: 154 x 16 x 2.5 (low altitude 850 E-TEC® opt. only) PowderMax ¹ X-Light: 154 x 16 x 3.0 (high altitude opt. only) 165 x 16 x 3.0 [850 E-TEC Turbo R opt. only]	

COLOUR
Orange Crush (10.25 in. touchscreen only)
Airy Blue
Timeless Black

SUSPENSION	
Front suspension	RAS 3
Front shock	KYB PRO 36 EA-3
Front suspension travel (mm/in.)	207 / 8.1
Rear suspension	tMotion L/O w/coil-over
Center shock	KYB 36 Plus
Rear shock	KYB PRO 36 EA-3
Rear suspension travel (mm/in.)	270 / 10.6

FEATURES	
Platform	REV Gen5
Headlights	Premium high-performance LED
Skis	Pilot DS 4
Seating	Deep snow ultra compact
Handlebar	Tapered with J-hooks / Grab handle / Flexible handguards
Riser block height (mm/in.)	120 / 4.7
Starter	E-TEC SHOT Starter
Reverse	RER™
Brake system	Brembo with adjustable lever
Heated throttle lever/grips	Standard
Gauge type	4.5 in. digital display 10.25 in. touchscreen display
Windshield	No
Runner (in.) – Carbide (in.)	3/8 square – 4
Bumpers (front/rear)	Standard/Standard

// FEATURE HIGHLIGHTS



1 REV Gen5 Lightweight platform

The new frame weight optimization and various lightweight components of the REV® Gen5 platform make it the ultimate mountain dedicated platform.



2 Rotax 850 E-TEC Turbo R engine

The most powerful factory-built 2-stroke turbocharged engine in snowmobiling. Its instant response cranks out a full 180 hp up to 8,000 feet of elevation. Sophisticated design keeps weight down and integrates flawlessly with the REV Gen5 chassis for maximum agility. Factory install ensures peace of mind and incredible reliability.



3 32 inch ski stance

Narrower 32 in. ski stance unlocks the tightest, steepest and most challenging technical terrains with the most precise and predictable sidehills no matter the conditions.



SUMMIT EXPERT 154 850 E-TEC TURBO R SHOWN



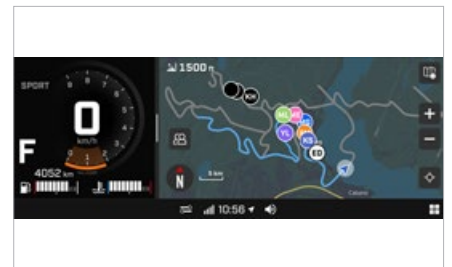
4 tMotion Lock-Out with coil-over rear suspension

In addition to 1.5 lb of weight savings and increased capacity, the tMotion Lock-Out with coil-over showcases a fixed rear arm for more precision and predictability in technical maneuvers, while the coil-over enhances the dynamic feel to the sled.



5 Forged Aluminum a-arms

Light and durable 6061-T6 high-strength aluminum grade with Ski-Doo's renowned high-quality fit and finish.



6 10.25 in. Touchscreen Display with BRP Connect, featuring Built-In GPS with Group Ride

View the live location of members of your group while independently seeing other riders around, without the need for a phone connection or cellular network access. Benefit from a map layer and trails,* track your current ride and see previous. For more, use your phone with the free BRP GO! app.



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