

2025 FREERIDE™

Extreme capacity deep snow sled built to live large, live free and go big. The Freeride is stable and predictable at higher speed in variable snow conditions, including bigger bumps.



FREERIDE 165
850 E-TEC TURBO R SHOWN

// WHAT'S NEW

- Precision rack steering system
- 10.25 in. touchscreen display with BRP Connect and built-in GPS
- 2 color options (850 E-TEC® Turbo R only)

// PACKAGE HIGHLIGHTS

- REV® Gen5 platform
- Rotax 850 E-TEC Turbo R and 850 E-TEC engines available
- Premium LED headlights
- Short tunnel with lightweight snowflap
- tMotion™ XT rear suspension with rigid rear arm
- Reinforced rails
- E-TEC SHOT™ starter standard
- Narrow extruded profile running boards with extra-large openings
- Sway bar quick-disconnect
- Low handlebar strap
- Sea-level calibration available on select configurations
- PowderMax¹ X-Light 3 in. with FlexEdge available
- Compact deep snow seat
- Belt-monitoring system
- Narrow bodywork
- Adjustable brake lever
- KYB¹ Pro 40 EA-3 front shocks with lightweight springs
- Pilot™ DS 4 skis
- 15 in. full-rod track
- Short riser block (120 mm/4.7 in.)
- RAS™ 3 front suspension with 36 in. ski stance

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 – 80.4	82 – 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		
Drive clutch	pDrive™ with clickers	
Driven clutch	QRS Vent Plus	
Drive sprocket pitch (mm/in.)	73/2.86 [146 – 154 x 2.5 in.]	89/3.5 [154 x 3.0 – 165 in.]

DRY WEIGHT		
Dry weight (lb)	468 [146 in.]	448 [146 in.]
	463 [154 in.]	444 [154 in.]
	467 [165 in.]	446 [165 in.]

DIMENSIONS		
Vehicle overall length (mm/in.)	3,058/120.4 [146 in.]	3,188/125.5 [154 in.]
	3,299/129.9 [165 in.]	
Vehicle overall width (mm/in.)	1,073/42.2 [adjustable]	
Vehicle overall height (mm/in.)	1,395/54.9	
Ski stance (mm/in.)	930/36 [adjustable]	
Available tracks (in.)	PowderMax ¹ :	
(Length x width x profile)	146 x 15 x 2.5	
	154 x 15 x 2.5	
	PowderMax ¹ X-Light:	
	154 X 15 X 3.0 [high altitude opt. only]	
	165 X 15 X 3.0 [high altitude opt. only]	

COLOR	
Flare Yellow and Black	
Timeless Black (850 E-TEC Turbo R only)	

SUSPENSION	
Front suspension	RAS 3
Front shock	KYB Pro 40 EA-3 w/ lightweight springs
Front suspension travel (mm/in.)	215/8.5
Rear suspension	tMotion XT
Center shock	KYB Pro 40 EA-3 w/ lightweight spring
Rear shock	KYB Pro 40 EA-3
Rear suspension travel (mm/in.)	264/10.4

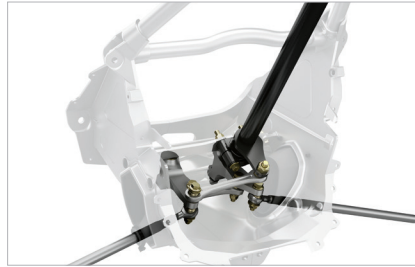
FEATURES	
Platform	REV Gen5
Headlights	Premium high-performance LED
Skis	Pilot DS 4
Seating	Deep snow compact
Handlebar	Tapered with J-hooks/Grab handle
Riser block height (mm/in.)	120/4.7
Starter	SHOT, Electric [opt. select models]
Reverse	RER™
Brake system	Brembo ¹ with adjustable lever
Heated throttle lever/grips	Standard
Gauge type	4.5 in. digital
	10.25 in. touchscreen [opt.]
Windshield	Optional
Runner (in.) – Carbide (in.)	3/8 square – 4
Bumpers (front/rear)	Std/Std

// FEATURE HIGHLIGHTS



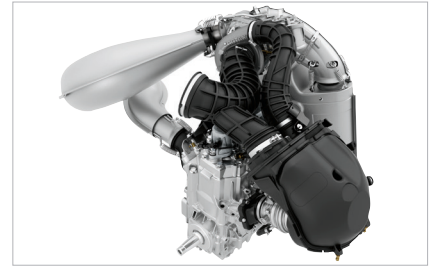
1 REV Gen5 deep snow platform

Lighter, narrower and more refined for improved technical riding and a next-level experience that's all about spending unforgettable days in the deep stuff.



2 Rack steering system

Further increases steering precision at higher speed for a stable and predictable ride in less than ideal snow conditions.



3 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.



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4 High-performance KYB Pro shock package with lightweight springs

Now with 50% more compression damping, these lightweight, extremely capable and durable shocks provide control in the toughest conditions. Easy-Adjust equipped for fast tuning.



5 10.25 in. color touchscreen display with BRP Connect and built-in GPS

The new and improved high-resolution infotainment system that keeps on connecting riders and road info, now with a built-in GPS that allows a non-connected fluid map load.



6 E-TEC SHOT starter

Push-button start with almost no added weight. Uses energy stored in the lightweight ultracapacitor to turn the magneto and, with E-TEC technology, start the engine.

ski-doo

