

# 2023 FREERIDE™

Live large, live free  
and go big.

## // WHAT'S NEW

- REV® Gen5 platform
- Rotax® 850 E-TEC® Turbo R engine available
- tMotion™ X rear suspension
- Premium LED headlights
- PowderMax™ X-Light 3 in. with FlexEdge™ available
- Narrower running boards and body work
- 10.25" color touchscreen display with BRP Connect available
- Adjustable brake lever



FREERIDE 165  
850 E-TEC TURBO R SHOWN

## // PACKAGE HIGHLIGHTS

- Rotax 850 E-TEC engine available
- High-performance KYB® Pro shock package with lightweight springs
- Short tunnel with lightweight snowflap
- RAS™ 3 front suspension with lightweight ski spindle and revised ski stopper
- E-TEC SHOT™ starter standard
- Full-length extruded profile running boards with large openings
- Sway bar quick-disconnect
- Low handlebar strap
- Sea-level calibration available on select configurations
- Compact and lightweight deep-snow seat
- Pilot™ DS 3 skis
- Belt monitoring system

### 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	72.3 - 73
Carburation	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	pDrive with clickers
Driven clutch	QRS Vent Plus	QRS Vent Plus
Drive sprocket pitch	89 mm/3.5 in.	73 mm/2.86 in. [146 in.] 89 mm/3.5 in. [154-165 in.]

### DRY WEIGHT

	850 E-TEC TURBO R	850 E-TEC
Dry weight	461 lb [154 in.] 466 lb [165 in.]	447 lb [146 in.] 442 lb [154 in.] 446 lb [165 in.]

### DIMENSIONS

Overall vehicle length	3,058 mm/120.4 in. [146 in.] 3,188 mm/125.5 in. [154 in.] 3,299 mm/129.9 in. [165 in.]
Overall vehicle width	1,080 to 1,110 mm/42.5 to 43.7 in.
Overall vehicle height	1,395 mm/54.9 in.
Ski stance	930 mm/36 in. adjustable
Track (Length x Width x Profile)	PowderMax II with FlexEdge: 146 x 16 x 2.5 in. PowderMax Light with FlexEdge: 154 x 16 x 2.5 in. 165 x 16 x 2.5 in. (sea-level opt. only) PowderMax X-Light with FlexEdge: 154 x 16 x 3.0 in. 165 x 16 x 3.0 in.

### COLOR

Timeless Black / Spartan Red (painted)

### SUSPENSION

Front suspension	RAS 3
Front shock	KYB Pro 36 EA-3 w/ lightweight springs
Front suspension travel	215 mm/8.5 in.
Rear suspension	tMotion X
Center shock	KYB Pro 40 EA-3 w/ lightweight spring
Rear shock	KYB Pro 40 EA-3
Rear suspension travel	264 mm/10.4 in.

### FEATURES

Platform	REV Gen5
Skis	Pilot DS 3
Seating	Deep-snow compact and lightweight
Handlebar	Tapered U-shaped aluminum with J-hooks/Low grab handle
Riser block height	165 mm/6.5 in.
Starter	850 E-TEC: SHOT, Electric (opt. Select models) 850 E-TEC Turbo R: SHOT
Reverse	RER™
Brake system	Brembo®
Heated throttle lever/grips	Standard
Gauge type	Compact digital display 10.25 in. touchscreen (opt.)
Windshield	Optional
Runner - Carbide	Square 3/8 in. - 4 in.
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 Rotax 850 E-TEC Turbo R engine

The first-ever factory-built 2-stroke turbocharged engine in any industry. It boasts instant response and a full 180 HP up to 8,000 feet of elevation. Sophisticated design integrates flawlessly with the REV Gen4 platform for maximum agility. Factory installation ensures peace of mind and incredible reliability.



### 3 tMotion™ X rear suspension with reinforced rails

With 90% new parts, this complete redesign increases capacity and reduces weight by 2.5 lbs. Reinforced rails ensure maximum durability in those big drops and jumps.



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### 4 High-performance KYB Pro shock package with lightweight springs

Lightweight, extreme-capability, extreme-durability shocks for control in the toughest conditions. Easy adjust-equipped for dialed-in compression.



### 5 10.25 in. color touchscreen display with BRP Connect

A high-resolution infotainment system that puts an interactive, informative and customizable experience that's both seamless and simple, right at your fingertips.



### 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, starts the engine.

**ski-doo**

