

# 2024 FREERIDE™

Live large, live free  
and go big.

## // WHAT'S NEW

- Rotax® 850 E-TEC® Turbo R (now opt. on 146 track)
- tMotion™ XT rear suspension with rigid rear arm
- KYB® Pro 40 EA-3 front shocks with lightweight springs
- Pilot™ DS 4 skis
- 15 in. full-rod track
- 10.25 in. color touchscreen display with BRP Connect available
- Short riser block (120 mm/4.7 in.)
- More stable RAS 3 front suspension geometry



FREERIDE 165  
850 E-TEC TURBO R SHOWN

## // PACKAGE HIGHLIGHTS

- REV® Gen5 platform
- Rotax 850 E-TEC or 850 E-TEC Turbo R engines available
- Premium LED headlights
- Short tunnel with lightweight snowflap
- 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
- PowderMax® X-Light 3 in. with FlexEdge available
- Compact deep-snow seat
- Belt-monitoring system
- Narrower running boards and bodywork
- 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 – 80.4	82 – 80.4
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 (mm/in.)	73/2.86 (146 – 154 x 2.5 in.) 89/3.5 (154 x 3.0 – 165 in.)	73/2.86 (146 – 154 x 2.5 in.) 89/3.5 (154 x 3.0 – 165 in.)

DRY WEIGHT	850 E-TEC TURBO R	850 E-TEC
Dry weight (lb)	463 (146 in.) 459 (154 in.) 463 (165 in.)	445 (146 in.) 440 (154 in.) 444 (165 in.)

DIMENSIONS	850 E-TEC TURBO R	850 E-TEC
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.) (Length x width x profile)	PowderMax®: 146 x 15 x 2.5 154 x 15 x 2.5 PowderMax® X-Light: 154 X 15 X 3.0 165 X 15 X 3.0	

## COLOR

Neo Mint 

## 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 with rail reinforcements
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

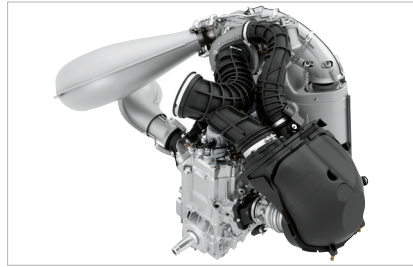
Platform	REV Gen5
Headlights	Premium high-performance LED
Skis	Pilot DS 4
Seating	Deep snow compact
Handlebar	Tapered U-shaped aluminum with J-hooks/Low grab handle
Riser block height (mm/in.)	120/4.7
Starter	850 E-TEC: SHOT, Electric (opt. Select models) 850 E-TEC Turbo R: SHOT
Reverse	RER™
Brake system	Brembo® 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



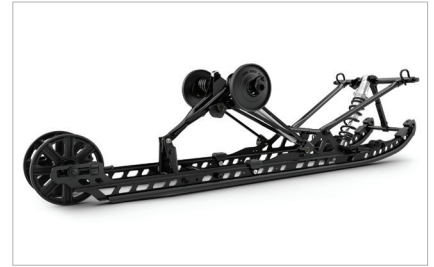
### 1 REV Gen5 deep-snow platform

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 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 ft of elevation. The sophisticated design integrates flawlessly with the REV Gen4 platform for maximum agility. Factory installation ensures peace of mind and incredible reliability.



### 3 tMotion™ XT with rigid rear arm

In addition to 3 lb of weight savings and increased capacity, the tMotion XT dons a locked rear arm for more rigidity in technical maneuvers.



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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

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, start the engine.

**ski-doo**

