

2023 FREERIDE™

Live large, live free
and go big.



FREERIDE 165
850 E-TEC TURBO R SHOWN

// WHAT'S NEW

- REV® Gen5 platform
- Rotax® 850 E-TEC® Turbo R engine available
- tMotion™ X rear suspension
- Premium LED headlights
- PowderMax¹ X-Light 3 in. with FlexEdge¹ available
- Narrower running boards and body work
- 10.25" color touchscreen display with BRP Connect available
- Adjustable brake lever


// PACKAGE HIGHLIGHTS

- Rotax 850 E-TEC engine available
- High-performance KYB¹ 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
- 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
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	Unleaded – 95	Unleaded – 95
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 in.)

DIMENSIONS	850 E-TEC TURBO R	850 E-TEC
Overall vehicle length	3,058 mm/120.4 in. (146 in.) 3,188 mm/125.5 in. (154 in.)	3,058 mm/120.4 in. (146 in.) 3,188 mm/125.5 in. (154 in.)
Overall vehicle width	1,080 to 1,110 mm/42.5 to 43.7 in.	1,080 to 1,110 mm/42.5 to 43.7 in.
Overall vehicle height	1,306 mm/51.4 in.	1,306 mm/51.4 in.
Ski stance	930 mm/36 in. adjustable	930 mm/36 in. adjustable
Track (Length x Width x Profile)	PowderMax II with FlexEdge: 146 x 16 x 2.5 in.) PowderMax X-Light with FlexEdge: 154 x 16 x 3.0 in.	PowderMax II with FlexEdge: 146 x 16 x 2.5 in.) PowderMax X-Light with FlexEdge: 154 x 16 x 3.0 in.

COLOR	850 E-TEC TURBO R
Timeless Black / Spartan Red (painted)	

SUSPENSION	850 E-TEC TURBO R
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	850 E-TEC TURBO R
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	SHOT
Reverse	RER™
Brake system	Brembo ¹
Heated throttle lever/grips	Standard
Gauge type	4.5 in. digital 10.25 in. touchscreen (opt.)
Windshield	Optional
Runner – Carbide	Square 3/8 in. – 4 in.
Bumpers (front/rear)	Std/Std

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