

2019 FREERIDE™ 146

PACKAGE HIGHLIGHTS

- Rotax® 850 E-TEC® engine
- REV® Gen4 platform with narrow-design bodywork
- E-TEC® SHOT™ starter
- RAS™ 3 front suspension
- pDrive™ clutch with clickers
- Ergo-Step side panels
- 16 x 146 x 2.5 in. PowderMax® II with FlexEdge™ track
- KYB® Pro 36 R front shocks and KYB® Pro 40 rear shocks aluminum piggyback with Easy-Adjust compression adjuster (22 clicks)
- Brembo racing brake with braided stainless-steel brake line
- Lightweight mountain seat
- RER™ electronic reverse
- Compact digital gauge
- tMotion™ rear suspension with reinforced rails
- Sway bar quick-disconnect
- Warm glove box with 4 L / 1 US gal of storage
- RS running boards
- Sea-level calibration available



FREERIDE™ 146 850 E-TEC® shown

ROTAX® ENGINE

850 E-TEC®

| | |
|-----------------------|---|
| Engine details | Liquid-cooled, eRAVE™ |
| Cylinders | 2 |
| Displacement | 849 cc / 51.9 in. ³ |
| Bore | 82 mm / 3.2 in. |
| Stroke | 80.4 mm / 3.2 in. |
| Maximum engine speed | 7,900 RPM |
| Carburation | Electronic Direct Injection with additional booster injectors |
| Recommended fuel type | Premium unleaded |
| Minimum octane | 91 |
| Fuel tank | 36 L / 9.5 US gal |
| Oil tank capacity | 3.4 L / 3.6 qt |

POWERTRAIN

| | |
|--------------------------------|---|
| Drive clutch type | pDrive™ with clickers |
| Driven clutch type | QRS |
| Engagement | 3,800 RPM |
| Small sprocket number of teeth | 21 |
| Large sprocket number of teeth | 49 |
| Drive sprocket number of teeth | 8 |
| Drive sprocket diameter | 183 mm / 7.2 in. |
| Brake system | Brembo racing brake with stainless-steel braided brake line |

DRY WEIGHT

212 kg / 468 lb

COLOR

Iceberg Blue 

DIMENSIONS

| | |
|------------------------|--|
| Vehicle overall length | 3,110 mm / 122.4 in. |
| Vehicle overall width | 1,140 to 1,180 mm / 44.9 to 46.5 in. |
| Vehicle overall height | 1,368 mm / 53.9 in. |
| Ski stance | 975 or 1,020 mm / 38.4 or 40.2 in. |
| Ski overall length | 1,049 mm / 41.3 in. |
| Track nominal width | 406 mm / 16 in. |
| Track nominal length | 3,705 mm / 146 in. |
| Track profile height | 63.5 mm / 2.5 in. PowderMax® II with FlexEdge™ |

SUSPENSION

| | |
|------------------------------|---------------------------|
| Front suspension | RAS™ 3 |
| Front shock | KYB® Pro 36 R Easy-Adjust |
| Front suspension max. travel | 220 mm / 8.7 in. |
| Rear suspension | tMotion™ |
| Center shock | KYB® Pro 40 Easy-Adjust |
| Rear shock | KYB® Pro 40 Easy-Adjust |
| Rear suspension max. travel | 239 mm / 9.4 in. |

FEATURES

| | |
|-----------|--|
| Frame | REV® Gen4 |
| Bodywork | Narrow design |
| Skis | Pilot™ DS 2 |
| Seating | Mountain |
| Handlebar | U-shaped aluminum with J-hooks / Grab handle |

| | |
|------------------------------|--------------------------------------|
| Riser block height | 145 mm / 5.7 in. |
| Starter | Manual, Electric (opt.), SHOT (opt.) |
| Reverse | RER™ |
| Heated throttle lever/ grips | Standard |
| Gauge | Compact |

| | |
|-----------------------|-----------------------|
| Mirrors | Optional |
| Windshield | Optional |
| Runner | Square 3/8 |
| Carbide configuration | 102 mm / 4 in. at 90° |
| Hitch | Optional |



FREERIDE™ 146 850 E-TEC® shown



FREERIDE™ 146 850 E-TEC® shown

FEATURE HIGHLIGHTS



E-TEC® SHOT™ starter

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



Rotax® 850 E-TEC® engine

Next generation of the most advanced direct-injection two-stroke engine technology. Designed for reliability and durability with proven 4-stroke and long-lasting automotive technologies.



tMotion™ rear suspension

A swiveling rear arm and split front arm allow the skid to flex laterally for more predictable carving. More rising-rate motion ratio adds capacity and comfort.



KYB® Pro 36 R Easy-Adjust front shocks

Extreme capability, extreme durability shocks with new compression and rebound calibration ranges for optimized control the toughest conditions. Easy Adjust knobs for compression and rebound adjustments.



RS running boards

Designed for aggressive stand-up riding, they are flatter for most of their length, wider and strong. Thicker aluminum sheet, plus front and rear reinforcements to withstand tough landings.

GAUGE FEATURES

| | |
|--------------------|----------|
| Speedometer | Standard |
| Tachometer | Standard |
| Fuel | Standard |
| Engine temperature | Standard |