

# 2004 MX Z Option Packages

	"Economy performance"	"Trail performance"	"Aggressive bump performance"	"Hybrid performance"
<b>1 Choose your package</b>	<input type="checkbox"/> <b>FAN</b>	<input type="checkbox"/> <b>TRAIL</b>	<input type="checkbox"/> <b>ADRENALINE</b>	<input type="checkbox"/> <b>RENEGADE</b>
Platform/tunnel	ZX	REV-X tunnel	REV-X tunnel	REV-X tunnel
Front Suspension	ADSA/MC	R.A.S./MC	R.A.S./HPG	R.A.S./HPG
Rear Suspension	SC-10 III/MC	SC-10 III/MC	SC-10 III/HPG	SC-10 III/HPG
Track	15x121x.88	15x121x1	15x121x1	15x136x1.25
Windshield	Fix medium	Moving medium	Moving medium	Moving medium
Seat	ZX	Rev-regular	Rev-regular	Rev-regular
Features	Electronic speedometer		RER	RER Summit tunnel rack Mountain strap Adjustment ski stance
<b>2 Choose your engine</b>	<input type="checkbox"/> 550 RER <input type="checkbox"/> 380 RER	<input type="checkbox"/> 600 H.O. RER <input type="checkbox"/> 600 H.O. <input type="checkbox"/> 500 SS RER <input type="checkbox"/> 500 SS	<input type="checkbox"/> 800 H.O. RER <input type="checkbox"/> 600 H.O. SDI RER <input type="checkbox"/> 600 H.O. RER <input type="checkbox"/> 500 SS RER	<input type="checkbox"/> 800 H.O. DPM RER <input type="checkbox"/> 600 H.O. DPM RER
<b>3 Choose your color</b>	<input type="checkbox"/> Black	<input type="checkbox"/> Black	<input type="checkbox"/> Black <input type="checkbox"/> Yellow-Black	<input type="checkbox"/> Black <input type="checkbox"/> Yellow-Black
<b>4 Factory installed options</b>		<input type="checkbox"/> Electric start (RER)	<input type="checkbox"/> 1.25" track <input type="checkbox"/> Electric start <input type="checkbox"/> DPM(800cc)	<input type="checkbox"/> 1.75" track <input type="checkbox"/> Electric start



MX Z "Adrenaline"



MX Z "Renegade"

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MX Z THERE'S NOTHING LIKE IT.





# 2004 MX Z Option Packages

Spring Only

	"Just like the racers"	"Maximum hybrid performance"
<b>1 Choose your package</b>	<input type="checkbox"/> <b>"X"</b> REV-X tunnel R.A.S./HPG piggy back SC-10 III/HPG TA, C-46 15x121x1 Fix medium Racing seat RER Racing brake Long J-hooks Tunnel reinformet Handguards/riser blocks	<input type="checkbox"/> <b>RENEGADE X*</b> REV-X tunnel R.A.S./HPG piggy back SC-10 III 136/HPG TA, C-46 15x136x1.25 Fix medium Mountain seat Mountain strap J-hooks Adjustment ski stance Racing brake Tunnel reinformet RER Summit tunnel rack Jerry can Handguards/riser blocks
<b>2 Choose your engine</b>	<input type="checkbox"/> 800 H.O. DPM RER <input type="checkbox"/> 600 H.O. SDI RER <input type="checkbox"/> 600 H.O. RER	<input type="checkbox"/> 800 H.O. DPM RER <input type="checkbox"/> 600 H.O. SDI RER <input type="checkbox"/> 600 H.O. RER
<b>3 Choose your color</b>	<input type="checkbox"/> Black <input type="checkbox"/> Black-Yellow <input type="checkbox"/> Blue-Yellow	<input type="checkbox"/> Black <input type="checkbox"/> Black-Yellow <input type="checkbox"/> Blue-Yellow
<b>4 Factory installed options</b>	<input type="checkbox"/> 1.25" track <input type="checkbox"/> Electric start	<input type="checkbox"/> 1.75" track <input type="checkbox"/> Electric start



MX Z "X"



MX Z "Renegade X"

\* Only available at Spring Break

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# Cross Country Segment

## 1 2004 MX Z "Adrenaline"

- 2 Engine choice : ☐ 800 H.O. RER  
☐ 600 H.O. S.D.I. RER  
☐ 600 H.O. RER  
☐ 500 SS RER

- 3 Color choice : ☐ Black  
☐ Yellow / Black

- 4 Factory Installed Option (Spring only): ☐ Electric Start  
☐ 1.25" Track  
☐ D.P.M. (800 H.O.)



FEATURES	BENEFITS
<b>REV Platform</b> <ul style="list-style-type: none"> <li>- Driver-centered ergonomics (rider 12-inches forward)</li> <li>- Pyramidal frame</li> <li>- Incredibly light</li> <li>- Centralized masses</li> <li>- Unique, aggressive styling</li> <li>- Easily removable side panels</li> </ul>	Simply the best handling, easiest-to-ride, most exhilarating Ski-Doo snowmobile ever built.
<b>R.A.S. (Response Angle Suspension)</b> <ul style="list-style-type: none"> <li>- A-arm configuration</li> <li>- 10-degree response angle better transfers bump energy to shocks, chassis</li> <li>- Radical lightweight extruded aluminum ski leg</li> </ul>	Ultimate performance and control. Precise steering, even in the roughest conditions.
<b>New! REV-X tunnel</b>	<ul style="list-style-type: none"> <li>- Reduces weight.</li> <li>- Evacuates snow better.</li> <li>- Same look as MX Zx 440 LC racer.</li> <li>- Added cargo space.</li> </ul>
<b>New! ROTAX 800 H.O.</b> <ul style="list-style-type: none"> <li>- Twin reed valves</li> <li>- Optimized exhaust porting</li> </ul>	Five percent more horsepower.
<b>New! ROTAX 2-TEC 600 H.O. SDI</b> <ul style="list-style-type: none"> <li>- Semi-Direct Injection, two injectors per cylinder</li> <li>- 8-petal reed valve</li> <li>- Engine performance electronically controlled</li> <li>- Electronically controlled eR.A.V.E. exhaust valves</li> <li>- Knock sensors</li> </ul>	The highest-tech Rotax engine available. <ul style="list-style-type: none"> <li>- Class-leading horsepower plus refined, smooth operation.</li> <li>- Improved fuel and oil consumption.</li> <li>- Minimal smoke and smell.</li> <li>- No choke required.</li> </ul>
<b>RER (ROTAX Electronic Reverse)</b>	Push-button operation. Zero-weight.
<b>ROTAX 600 H.O.</b> <ul style="list-style-type: none"> <li>- Bigger engine block</li> <li>- Nicasil cylinder</li> <li>- 8 petal reed valve</li> </ul>	10% more power. Improved reliability.
<b>T.R.A. III drive clutch</b>	Improved performance, durability, belt life.
<b>SC-10 III long-travel rear suspension</b>	Delivers outstanding ride and handling. Simple to adjust for different riding styles and conditions.



# Cross Country Segment

## 2004 MX Z Adrenaline

### ENGINE

Engine	ROTAX 800 H.O. / 600 H.O. SDI / 600 H.O. / 500 SS
	Liquid-Cooled W / Reed Valve R.A.V.E / e-R.A.V.E. (SDI)
Cylinders	2
Displacement	799,2 / 594,4 / 594,4 / 597,0 cc / 48,8 / 36,3 / 36,3 / 36,4 in <sup>3</sup>
Bore	82,0 / 72,0 / 72,0 / 76,0 mm / 3,2 / 2,8 / 2,8 / 3,0 in
Stroke	75,7 / 73,0 / 73,0 / 65,8 mm 3,0 / 2,9 / 2,9 / 2,6 in
Carburetion	2 x TM-40 / Electronic SDI (SDI)
Exhaust System	Single Tuned Pipe to Baffle Muffler

### POWER TRAIN

Drive Pulley Type	T.R.A. III
Driven Pulley Type	HPV VSA/FORMULA VSA-R/HPV VSA/FORMULA VSA-R
Maximum Engine Speed (RPM)	7850 / 8000 / 8000 / 8000
Engagement (RPM)	3800 / 4100 / 4000 / 3800
Pulleys Center Distance	257,5 mm / 10,14 in
Small Sprocket Number of Teeth	23 / 22 / 22 / 22
Large Sprocket Number of Teeth	43
Drive Sprocket Number of Teeth	10
Drive Sprocket Diameter	200,5 mm / 7,894 in
Brake System	Hydraulic Disc Self-Adjusting with Short Brake Lever

### SUSPENSION

Front Suspension	R.A.S. (A-Arm with sway bar)
Front Shock	H.P.G.
Front Suspension Max. Travel	242,0 mm / 9,5 in
Rear Suspension	SC-10 III
Front Arm Shock	H.P.G. VR
Rear Arm Shock	H.P.G.
Rear Suspension Max. Travel	330,7 mm / 13 in

### MATERIALS

Front Member & Frame Material	Aluminum
Hood	SURLYN
Side Panels	Impact Resistant Copolymer
Belly Pan	Impact Resistant Copolymer
Skis	Precision Ski

### DIMENSIONS

Vehicle Overall Length	2787 mm / 109,7 in
Vehicle Overall Width	1217 mm / 47,9 in
Vehicle Overall Height	1280 mm / 50,4 in
Official Dry Weight	200 / 209 (500 SS) kg 464 / 459 (500 SS) lbs
Ski Stance	1195 mm / 47 in
Ski Overall Length	1083 mm / 43 in
Ski Width	138 mm / 5,4 in
Track Nominal Width	381 mm / 15 in
Track Nominal Length	3074 mm / 121 in
Track Profile Height	25,4 mm / 1 in

### CAPACITIES

Fuel tank: Liters / Gal	40 / 10,6
Recommended Fuel Type	Super unleaded (800H.O.) / Regular unleaded
Minimum Octane	91(800H.O.) / 87
Oil: Liters / Quarts	3,5 / 3,3
Lighting System Output (AC)	360 @ 6000 RPM / 480 @ 6000 RPM (SDI)
Headlamp Bulb Hi / Low Beam	2 x 60 / 55 W (H-4)

### FEATURES

Seating	Standard
Handlebar	REV-adjustable
Electric Start	Optional
Electronic Reverse (RER)	Standard
Heated Throttle Lever	Standard
Heated Grips	Standard
Speedometer	Standard Electronic
Tachometer	Standard Electronic
Electric Fuel Gauge	Optional
Electric Temperature Gauge	Optional
Mirrors Kit	Optional
Windshield	Moving Medium
Carbide Runner	2 x 4" Standard
Adjustable Toe Hold	Standard
Anti-slip Running Boards	Standard
Luggage Rack	Standard
Hitch	Optional

## Built to kick some snow

Do you have an appetite for performance? Bombardier custom accessories empower you to enhance the look and performance of your sled. From arm wrenching carbides to mogul pounding skid-plates. Your authorized Ski-Doo dealer has what it takes to be a real snowmobiler: lots of Genuine Bombardier custom accessories, not to mention the best sled. For more Bombardier accessory information check out the new 2004 Ski-Doo Accessory and clothing brochure or visit us at [www.ski-doo.com](http://www.ski-doo.com).



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# Cross Country Segment

## 1 2004 MX Z "Renegade"

2 Engine choice: ☐ 800 H.O. RER  
☐ 600 H.O. RER

3 Color choice: ☐ Black  
☐ Yellow / Black

4 Factory Spring Choice: ☐ Electric Start  
☐ 1.75" Track



FEATURES	BENEFITS
<b>REV Platform</b> <ul style="list-style-type: none"> <li>- Driver-centered ergonomics (rider 12-inches forward)</li> <li>- Pyramidal frame</li> <li>- Incredibly light</li> <li>- Centralized masses</li> <li>- Unique, aggressive styling</li> <li>- Easily removable side panels</li> </ul>	Simply the best handling, easiest-to-ride, most exhilarating Ski-Doo snowmobile ever built.
<b>R.A.S. (Response Angle Suspension)</b> <ul style="list-style-type: none"> <li>- A-arm configuration</li> <li>- 10-degree response angle better transfers bump energy to shocks, chassis</li> <li>- Radical lightweight extruded aluminum ski leg</li> </ul>	Ultimate performance and control. Precise steering, even in the roughest conditions.
<b>New! REV-X tunnel</b>	<ul style="list-style-type: none"> <li>- Reduces weight.</li> <li>- Evacuates snow better.</li> <li>- Same look as MX Zx 440 LC racer.</li> <li>- Added cargo space.</li> </ul>
<b>New! ROTAX 800 H.O.</b> <ul style="list-style-type: none"> <li>- Twin reed valves</li> <li>- Optimized exhaust porting</li> </ul>	Five percent more horsepower.
<b>RER (ROTAX Electronic Reverse)</b>	Push-button operation. Zero-weight.
<b>New! Summit-REV tunnel rack</b> <ul style="list-style-type: none"> <li>- Mountain-specific design</li> </ul>	More cargo capability than conventional mountain sleds. Sharp looks.
1,25-inch lug track	Great deep snow traction and performance.
<b>DPM (Digital Performance Management)</b> <ul style="list-style-type: none"> <li>- Adjusts fuel / air mixture to compensate for temperature and altitude changes</li> </ul>	Maximizes performance and fuel efficiency, even in changing conditions.
<b>ROTAX 600 H.O.</b> <ul style="list-style-type: none"> <li>- Bigger engine block</li> <li>- Nicasil cylinder</li> <li>- 8 petal reed valve</li> </ul>	10% more power. Improved reliability.
Mountain grab bar	Easier sidehilling.
Handlebar control	Nicely integrated and easy to use.
T.R.A. III drive clutch	Improved performance, durability, belt life.
SC-10 III long-travel rear suspension	Delivers outstanding ride and handling. Simple to adjust for different riding styles and conditions.

# Cross Country Segment

## 2004 MX Z Renegade

### ENGINE

Engine	ROTAX 800 H.O. / 600 H.O. Liquid-Cooled W / Reed Valve R.A.V.E
Cylinders	2
Displacement	799,2 / 594,4 / cc / 48,8 / 36,3 in <sup>3</sup>
Bore	82,0 / 72,0 mm / 3,2 / 2,8 in
Stroke	75,7 / 73,0 mm / 3,0 / 2,9 in
Carburetion	2 x TM-40 D.P.M.
Exhaust System	Single Tuned Pipe to Baffle Muffler

### POWER TRAIN

Drive Pulley Type	T.R.A. III
Driven Pulley Type	HPV VSA
Maximum Engine Speed (RPM)	7850 / 8000
Engagement (RPM)	3800 / 4000
Pulleys Center Distance	257,5 mm / 10,14 in
Small Sprocket Number of Teeth	23 / 21
Large Sprocket Number of Teeth	43
Drive Sprocket Number of Teeth	10
Drive Sprocket Diameter	200,5 mm / 7,894 in
Brake System	Hydraulic Disc Self-Adjusting with Short Brake Lever

### SUSPENSION

Front Suspension	R.A.S. (A-Arm with sway bar)
Front Shock	H.P.G.
Front Suspension Max. Travel	242,0 mm / 9,5 in
Rear Suspension	SC-10 III
Front Arm Shock	H.P.G. VR
Rear Arm Shock	H.P.G.
Rear Suspension Max. Travel	330,7 mm / 13 in

### MATERIALS

Front Member & Frame Material	Aluminum
Hood	SURLYN
Side Panels	Impact Resistant Copolymer
Belly Pan	Impact Resistant Copolymer
Skis	Precision Ski

### DIMENSIONS

Vehicle Overall Length	3005 mm / 118,3 in
Vehicle Overall Width	1172 mm / 46,1 in
Vehicle Overall Height	1130 mm / 44,5 in
Official Dry Weight	218 kg / 479 lbs
Ski Stance	1151 to 1096 mm / 45,5 to 43 in
Ski Overall Length	1083 mm / 43 in
Ski Width	138 mm / 5,4 in
Track Nominal Width	381 mm / 15 in
Track Nominal Length	3455 mm / 136 in
Track Profile Height	31,8 mm / 1,25 in

### CAPACITIES

Fuel tank: Liters / Gal	40 / 10,6
Recommended Fuel Type	Super unleaded / Regular unleaded
Minimum Octane	91 / 87
Oil: Liters / Quarts	3,5 / 3,3
Lighting System Output (AC)	360 @ 6000 RPM
Headlamp Bulb Hi / Low Beam	2 x 60 / 55 W (H-4)

### FEATURES

Seating	REV-Standard
Handlebar	REV-adjustable with Strap
Electric Start	Optional
Electronic Reverse (RER)	Standard
Heated Throttle Lever	Standard
Heated Grips	Standard
Speedometer	Standard Electronic
Tachometer	Standard Electronic
Electric Fuel Gauge	Optional
Electric Temperature Gauge	Optional
Mirrors Kit	Optional
Windshield	Moving Medium
Carbide Runner	2 x 4" Standard
Adjustable Toe Hold	Optional
Anti-slip Running Boards	Standard
Luggage Rack	Standard
Hitch	Optional

## Built to kick some snow

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# Cross Country Segment

## 1 2004 MX Z "Trail"

- 2 Engine choice: ☐ 600 H.O. RER  
☐ 600 H.O.  
☐ 500 SS RER  
☐ 500 SS

- 3 Color choice: ☐ Black

- 4 Factory Installed Option (Spring only): ☐ Electric Start  
(with RER engine only)



FEATURES	BENEFITS
REV Platform <ul style="list-style-type: none"> <li>- Driver-centered ergonomics (rider 12-inches forward)</li> <li>- Pyramidal frame</li> <li>- Incredibly light</li> <li>- Centralized masses</li> <li>- Unique, aggressive styling</li> <li>- Easily removable side panels</li> </ul>	Simply the best handling, easiest-to-ride, most exhilarating Ski-Doo snowmobile ever built.
R.A.S. (Response Angle Suspension) <ul style="list-style-type: none"> <li>- A-arm configuration</li> <li>- 10-degree response angle better transfers bump energy to shocks, chassis</li> <li>- Radical lightweight extruded aluminum ski leg.</li> </ul>	Ultimate performance and control. Precise steering, even in the roughest conditions.
New! REV-X tunnel	<ul style="list-style-type: none"> <li>- Reduces weight.</li> <li>- Evacuates snow better.</li> <li>- Same look as MX Z X 440 LC racer.</li> <li>- Added cargo space.</li> </ul>
New! ROTAX 500 SS twin	600 cc power at 500 cc price, weight.
PRECISION dual-carbide skis	Unparalleled cornering, with virtually no darting.
Handlebar controls	Nicely integrated and easy, no-look operation.
Electronic speedometer/tachometer	Cool design. Integrated pilot lamp with digital screen. Easy to read, easy to use.
SC-10 III long-travel rear suspension	Delivers outstanding ride and handling. Simple to adjust for different riding styles and conditions.
TM carburetors	Improves throttle response, reduces thumb effort.
DESS (Digital Encoded Security System)	Anti-theft device.



# Cross Country Segment

## 2004 MX Z Trail

### ENGINE

Engine	ROTAX 600 H.O. / 500 SS Liquid-Cooled W / Reed Valve R.A.V.E
Cylinders	2
Displacement	594,4 / 597,0 cc / 36,3 / 36,4 in <sup>3</sup>
Bore	72,0 / 76,0 mm / 2,8 / 3,0 in
Stroke	73,0 / 65,8 mm / 2,9 / 2,6 in
Carburetion	2 x TM-40
Exhaust System	Single Tuned Pipe to Baffle Muffler

### POWER TRAIN

Drive Pulley Type	T.R.A. III
Driven Pulley Type	FORMULA VSA
Driven Pulley Type (RER)	HPV VSA/FORMULA VSA-R
Maximun Engine speed (RPM)	8000
Engagement (RPM)	4000
Pulleys Center Distance	2 x 57,5 mm / 10,14 in
Small Sprocket Number of Teeth	22
Large Sprocket Number of Teeth	43
Drive Sprocket Number of Teeth	10
Drive Sprocket Diameter	200,5 mm / 7,894 in
Brake System	Hydraulic Disc Self-Adjusting with Short Brake Lever

### SUSPENSION

Front Suspension	R.A.S. (A-Arm with sway bar)
Front Shock	Motion Control
Front Suspension Max. Travel	242,0 mm / 9,5 in
Rear Suspension	SC-10 III
Front Arm Shock	Motion Control
Rear Arm Shock	Motion Control
Rear Suspension Max. Travel	330,7 mm / 13 in

### MATERIALS

Front Member & Frame Material	Aluminum
Hood	SURLYN
Side Panels	Impact Resistant Copolymer
Belly Pan	Impact Resistant Copolymer
Skis	Precision Ski

### DIMENSIONS

Vehicle Overall Length	2787 mm / 109,7 in
Vehicle Overall Width	1217 mm / 47,8 in
Vehicle Overall Height	1280 mm / 50,4 in
Official Dry Weight	211 / 209 kg / 464 / 459 lbs
Ski Stance	1195 mm / 47,0 in
Ski Overall Length	1083 mm / 43 in
Ski Width	138 mm / 5,4 in
Track Nominal Width	381 mm / 15 in
Track Nominal Length	3074 mm / 121 in
Track Profile Height	25,4 mm / 1,00 in

### CAPACITIES

Fuel tank: Liters / Gal	40 / 10,6
Recommended Fuel Type	Regular unleaded
Minimun Octane	87
Oil: Liters / Quarts	3,5 / 3,3
Lighting System Output (AC)	360 @ 6000 RPM
Headlamp Bulb Hi / Low Beam	2 X 60 / 55 W (H-4)

### FEATURES

Seating	REV-Standard
Handlebar	REV-adjustable
Electric Start	Optional
Electronic Reverse (RER)	Optional
Heated Throttle Lever	Standard
Heated Grips (driver)	Standard
Speedometer	Standard Electronic
Tachometer	Standard Electronic
Electric Fuel Gauge	Optional
Electric Temperature Gauge	Optional
Mirrors Kit	Optional
Windshield	Moving Medium
Carbide Runner	2 x 4" Standard
Adjustable Toe Hold	Standard
Anti-slip Running Boards	Standard
Luggage Rack	Standard
Hitch	Optional

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# Cross Country Segment

## 1 2004 MX Z "X"

- 2 Engine choice: ☐ 800 H.O. RER  
☐ 600 H.O. SDI RER  
☐ 600 H.O. RER

- 3 Color choice: ☐ Black  
☐ Black / Yellow  
☐ Blue / Yellow

- 4 Factory Installed Option (Spring only): ☐ Electric Start  
☐ 1.25" Track



FEATURES	BENEFITS
REV Platform <ul style="list-style-type: none"> <li>- Driver-centered ergonomics (rider 12-inches forward)</li> <li>- Pyramidal frame</li> <li>- Incredibly light</li> <li>- Centralized masses</li> <li>- Unique, aggressive styling</li> <li>- Easily removable side panels</li> </ul>	Simply the best handling, easiest-to-ride, most exhilarating Ski-Doo snowmobile ever built.
R.A.S. (Response Angle Suspension) <ul style="list-style-type: none"> <li>- A-arm configuration</li> <li>- 10-degree response angle better transfers bump energy to shocks, chassis</li> <li>- Radical lightweight extruded aluminum ski leg</li> </ul>	Ultimate performance and control. Precise steering, even in the roughest conditions.
New! REV-X tunnel	<ul style="list-style-type: none"> <li>- 6 pounds lighter.</li> <li>- Evacuates snow better.</li> <li>- Same look as MX Zx 440 LC racer.</li> <li>- Added cargo space.</li> </ul>
New! ROTAX 800 H.O. <ul style="list-style-type: none"> <li>- Twin reed valves</li> <li>- Optimized exhaust porting</li> </ul>	Five percent more horsepower
New! ROTAX 2-TEC 600 H.O. SDI <ul style="list-style-type: none"> <li>- Semi-Direct Injection, two injectors per cylinder</li> <li>- 8-petal reed valve</li> <li>- Engine performance electronically controlled</li> <li>- Electronically controlled eR.A.V.E. exhaust valves</li> <li>- Knock sensors</li> </ul>	The highest-tech ROTAX engine available. <ul style="list-style-type: none"> <li>- Class-leading horsepower plus refined, smooth operation.</li> <li>- Improved fuel and oil consumption.</li> <li>- Minimal smoke and smell.</li> <li>- No choke required.</li> </ul>
RER (ROTAX Electronic Reverse)	Push-button operation. Zero-weight.
New! Fixed medium windshield with separate handguards	Same lightweight, trick look as MX Zx 440 LC racer.
New! Racing seat <ul style="list-style-type: none"> <li>- Lightweight</li> <li>- Low-profile</li> </ul>	Easy to maneuver around sled. Same sleek look as MX Zx 440 LC racer.
New! Riser blocks	Just like the racer. Offers height adjustability.
SC-10 III Rear suspension	Improves stability and control and provides a better ride. Allow adjustability for different type of riding. More travel.
C-46 rear shock	Fade-resistant racing shock capable of tackling the toughest terrain.
Piggy-back remote reservoir racing shocks	Improves suspension performance by keeping shock oil cool. Easily adjustable compression and rebound damping rates.
Racing brake	Derived from the MX Z X 440 LC race sled, this quickly dissipates heat for better braking in even extreme conditions.

# Cross Country Segment

## 2004 MX Z X

### ENGINE

Engine Rotax	800 H.O. / 600 H.O. SDI / 600 H.O. Liquid-Cooled W / Reed Valve R.A.V.E / e-R.A.V.E.(SDI)
Cylinders	2
Displacement	799,2 / 594,4 / 594,4 cc / 48,8 / 36,3 / 36,3 in <sup>3</sup>
Bore	82,0 / 72,0 / 72,0 mm / 3,2 / 2,8 / 2,8 in
Stroke	75,7 / 73,0 / 73,0 mm / 3,0 / 2,9 / 2,9 in
Carburetion	2 x TM-40 D.P.M. / Electronic SDI / 2 x TM-40
Exhaust System	Single Tuned Pipe to Baffle Muffler

### POWER TRAIN

Drive Pulley Type	T.R.A. III
Driven Pulley Type	HPV VSA / FORMULA VSA-R / HPV VSA
Maximum Engine Speed (RPM)	7850 / 8000 / 8000
Engagement (RPM)	3800 / 4100 / 4100
Pulleys Center Distance	257,5 mm / 10,14 in
Small Sprocket Number of Teeth	23 / 22 / 22
Large Sprocket Number of Teeth	43
Drive Sprocket Number of Teeth	10
Drive Sprocket Diameter	200,5 mm / 7,8 in
Brake System	Hydraulic Disc Self-Adjusting Racing Type with Short Brake Lever

### SUSPENSION

Front Suspension	R.A.S. (A-Arm with sway bar)
Front Shock	H.P.G. T / A Piggy Back
Front Suspension Max. Travel	242,0 mm / 9,5 in
Rear Suspension	SC-10 III
Front Arm Shock	H.P.G. T / A
Rear Arm Shock	C-46
Rear Suspension Max. Travel	330,7 mm / 13 in

### MATERIALS

Front Member & Frame Material	Aluminum
Hood	SURLYN
Side Panels	Impact Resistant Copolymer
Belly Pan	Impact Resistant Copolymer
Skis	Precision Ski

### DIMENSIONS

Vehicle Overall Length	2787 mm / 109,7 in
Vehicle Overall Width	1217 mm / 47,9 in
Vehicle Overall Height	1280 mm / 50,4 in
Official Dry Weight	211 kg / 464 lbs
Ski Stance	1195 mm / 47 in
Ski Overall Length	1083 mm / 43 in
Ski Width	138 mm / 5,4 in
Track Nominal Width	381 mm / 15 in
Track Nominal Length	3074 mm / 121 in
Track Profile Height	25,4 mm / 1 in

### CAPACITIES

Fuel tank: Liters / Gal	40 / 10,6
Recommended Fuel Type	Super unleaded / Regular unleaded / Regular unleaded
Minimum Octane	91 / 87 / 87
Oil: Liters / Quarts	3,5 / 3,3
Lighting System Output (AC)	360 @ 6000 RPM / 480 @ 6000RPM (SDI)
Headlamp Bulb Hi / Low Beam	2 x 60 / 55 W (H-4)

### FEATURES

Seating	Racing Seat
Handlebar	REV-adjustable with Riser Block and J-Hooks
Electric Start	Optional
Electronic Reverse (RER)	Standard
Heated Throttle Lever	Standard
Heated Grips	Standard
Speedometer	Standard Electronic
Tachometer	Standard Electronic
Electric Fuel Gauge	Optional
Electric Temperature Gauge	Optional
Mirrors Kit	Optional
Windshield	Fix Medium with Separate Hangguards
Carbide Runner	2 x 4" Standard
Adjustable Toe Hold	Standard
Anti-slip Running Boards	Standard
Hitch	Optional

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# Cross Country Segment

## 1 2004 MX Z "Renegade X"

2 Engine choice: ☐ 800 H.O. RER  
☐ 600 H.O. SDI RER  
☐ 600 H.O. RER

3 Color choice: ☐ Black  
☐ Black / Yellow  
☐ Blue / Yellow

4 Factory Spring Choice: ☐ Electric Start  
☐ 1.75" Track



FEATURES	BENEFITS
REV Platform <ul style="list-style-type: none"> <li>- Driver-centered ergonomics (rider 12-inches forward)</li> <li>- Pyramidal frame</li> <li>- Incredibly light</li> <li>- Centralized masses</li> <li>- Unique, aggressive styling</li> <li>- Easily removable side panels</li> </ul>	Simply the best handling, easiest-to-ride, most exhilarating Ski-Doo snowmobile ever built.
R.A.S. (Response Angle Suspension) <ul style="list-style-type: none"> <li>- A-arm configuration</li> <li>- 10-degree response angle better transfers bump energy to shocks, chassis</li> <li>- Radical lightweight extruded aluminum ski leg</li> </ul>	Ultimate performance and control. Precise steering, even in the roughest conditions.
New! REV-X tunnel	<ul style="list-style-type: none"> <li>- Reduces weight.</li> <li>- Evacuates snow better.</li> <li>- Same look as MX Zx 440 LC racer.</li> <li>- Added cargo space.</li> </ul>
New! ROTAX 800 H.O. <ul style="list-style-type: none"> <li>- Twin reed valves</li> <li>- Optimized exhaust porting</li> </ul>	Five percent more horsepower
New! ROTAX 2-TEC 600H.O. SDI <ul style="list-style-type: none"> <li>- Semi-Direct Injection, two injectors per cylinder</li> <li>- 8-petal reed valve</li> <li>- Engine performance electronically controlled</li> <li>- Electronically controlled eR.A.V.E. exhaust valves</li> <li>- Knock sensors</li> </ul>	The highest-tech ROTAX engine available. <ul style="list-style-type: none"> <li>- Class-leading horsepower plus refined, smooth operation.</li> <li>- Improved fuel and oil consumption.</li> <li>- Minimal smoke and smell.</li> <li>- No choke required.</li> </ul>
RER (ROTAX Electronic Reverse)	Push-button operation. Zero-weight.
New! Fixed medium windshield with separate handguards	Same lightweight, trick look as MX Zx 440 LC racer.
New! Mountain-specific seat	Lightweight. Specially sculpted for athletic mountain riding styles. Cool look.
New! Riser blocks	Just like the racer. Offers height adjustability.
New! Summit-REV tunnel rack <ul style="list-style-type: none"> <li>- Integrated jerry can</li> <li>- Mountain-specific design</li> </ul>	More cargo capability than conventional mountain sleds. Sharp looks.
SC-10 III long-travel rear suspension	Delivers outstanding ride and handling. Simple to adjust for different riding styles and conditions.
C-46 rear shock	Fade-resistant racing shock capable of tackling the toughest terrain.
Piggy-back remote reservoir racing shocks	Improves suspension performance by keeping shock oil cool. Easily adjustable compression and rebound damping rates.
Racing brake	Derived from the MX Zx440 LC race sled, this quickly dissipates heat for better braking in even extreme conditions.



# Segment Cross Country

## 2004 MX Z Renegade X

### ENGINE

Engine	ROTAX 800 H.O./600 H.O. SDI/600 H.O. Liquid-Cooled W / Reed Valve R.A.V.E/ e-R.A.V.E. (SDI)
Cylinders	2
Displacement	799,2 / 594,4 / 594,4 cc / 48,8 / 36,3 / 36,3 in <sup>3</sup>
Bore	82,0 / 72,0 / 72,0 mm / 3,2 / 2,8 / 2,8 in
Stroke	75,7 / 73,0 / 73,0 mm / 3,0 / 2,9 / 2,9 in
Carburetion	2 x TM-40 D.P.M. / Electronic SDI / 2 x TM-40
Exhaust System	Single Tuned Pipe to Baffle Muffler

### POWER TRAIN

Drive Pulley Type	T.R.A. III
Driven Pulley Type	HPV VSA / FORMULA VSA-R / HPV VSA
Maximum speed (RPM)	7850 / 8000 / 8000
Engagement (RPM)	3800 / 4100 / 4000
Pulleys Center Distance	257,5 mm / 10,14 in
Small Sprocket Number of Teeth	23 / 21 / 21
Large Sprocket Number of Teeth	43
Drive Sprocket Number of Teeth	10
Drive Sprocket Diameter	200,5 mm / 7,8 in
Brake System	Hydraulic Disc. Self-Adjusting Racing Type with Short Brake Lever

### SUSPENSION

Front Suspension	R.A.S. (A-Arm with sway bar)
Front Shock	H.P.G. T/A Piggy Back
Front Suspension Max. Travel	242,0 mm / 9,5 in
Rear Suspension	SC-10 III
Front Arm Shock	H.P.G. T/A
Rear Arm Shock	C-46
Rear Suspension Max. Travel	330,7 mm / 13 in

### MATERIALS

Front Member & Frame Material	Aluminum
Hood	SURLYN
Side Panels	Impact Resistant Copolymer
Belly Pan	Impact Resistant Copolymer
Skis	Precision Ski

### DIMENSIONS

Vehicle Overall Length	3005 mm / 118,3 in
Vehicle Overall Width	1172 mm / 46,1 in
Vehicle Overall Height	1130 mm / 44,5 in
Official Dry Weight	218 kg / 479 lbs
Ski Stance	1151 to 1096 mm / 45,5 to 43,0 in
Ski Overall Length	1083 mm / 43 in
Ski Width	138 mm / 5,4 in
Track Nominal Width	381 mm / 15 in
Track Nominal Length	3455 mm / 136 in
Track Profile Height	31,8 mm / 1,25 in

### CAPACITIES

Fuel tank: Liters / Gal	40 / 10,6
Recommended Fuel Type	Super unleaded/Regular unleaded Regular unleaded
Minimum Octane	91 / 87 / 87
Oil: Liters / Quarts	3,5 / 3,3
Lighting System Output (AC)	360 @ 6000 RPM / 480 @ 6000 RPM (SDI)
Headlamp Bulb Hi / Low Beam	2 X 60 / 55 W (H-4)

### FEATURES

Seating	Mountain Seat
Handlebar	REV-adjustable with Riser Block and J-Hooks
Electric Start	Optional
Electronic Reverse (RER)	Standard
Heated Throttle Lever	Standard
Heated Grips (driver)	Standard
Speedometer	Standard Electronic
Tachometer	Standard Electronic
Electric Fuel Gauge	Optional
Electric Temperature Gauge	Optional
Mirrors Kit	Optional
Windshield	Fix Medium with Seperate Hanguards
Carbide Runner	2 x 4" Standard
Adjustable Toe Hold	Optional
Anti-slip Running Boards	Standard
Luggage Rack	Standard
Hitch	Optional

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# Cross Country Segment

**1** 2004 MX Z "Fan"

**2** Engine choice: ☐ 550 RER  
☐ 380 RER

**3** Color choice: ☐ Black



FEATURES	BENEFITS
New! SC-10 III long-travel rear suspension	Delivers outstanding ride and handling. Simple to adjust for different riding styles and conditions.
ROTAX 550 cc fan-cooled engine <ul style="list-style-type: none"><li>- reed valve</li><li>- improved crankshaft</li><li>- molykoted pistons</li></ul>	Improved power, acceleration and reliability.
New! Electronic speedometer	Cool design. Integrated pilot lamp with digital screen. Easy to read, easy to use.
Plastic ski	Improved handling and cornering.
ZX platform	Lightest in class aluminum chassis, extruded bulkhead and high quality fit and finish.
ADSA front suspension	Minimizes bump steer and scrub; optimizes roll center.
RER (Rotax Electronic Reverse)	Push-button operation. Zero-weight.
Twin carburetors	Improves engine performance.
Medium windshield	Improves wind and snow protection.



# Cross Country Segment

## 2004 MX Z Fan

### ENGINE

Engine	ROTAX 550 Axial fan-cooled W / Cylinder Reed porting
	ROTAX 380 Axial fan-Cooled W / Piston Porting
Cylinders	2
Displacement	553,4 / 368,3 cc / 33,8 / 22,5 in <sup>3</sup>
Bore	76,0 / 62,0 mm / 3,0 / 2,4 in
Stroke	61,0 mm / 2,4 in
Carburetion	2 x VM-34 / 2 x VM-30
Exhaust System	Single Tuned Pipe to Baffle Muffler

### POWER TRAIN

Drive Pulley Type	Bombardier Lite
Driven Pulley Type	FORMULA RER
Maximum Engine Speed (RPM)	6950 / 6800
Engagement (RPM)	3500 / 3600
Pulleys Center Distance	257,5 mm / 10,14 in
Small Sprocket Number of Teeth	22 / 19
Large Sprocket Number of Teeth	43
Drive Sprocket Number of Teeth	9
Drive Sprocket Diameter	181,5 mm / 7,146 in
Brake System	Hydraulic Disc Self-Adjusting with Short Brake Lever / Mechanical Disc Self-Adjusting

### SUSPENSION

Front Suspension	Advanced DSA / Swing Arm / Radius Rods Sway Bar (Formed Shape) Advanced DSA / Swing Arm / Radius Rods
Front Shock	Motion Control
Front Suspension Max. Travel	254,0 mm / 10,0 in
Rear Suspension	SC-10 III
Front Arm Shock	Motion Control
Rear Arm Shock	Motion Control
Rear Suspension Max. Travel	306 mm / 12 in

### MATERIALS

Front Member & Frame Material	Aluminum
Hood	SURLYN
Belly Pan	Impact Resistant Copolymer
Skis	Plastic Ski

### DIMENSIONS

Vehicle Overall Length	2766 mm / 108,9 in
Vehicle Overall Width	1144 mm / 45 in
Vehicle Overall Height	1130 mm / 44,5 in
Official Dry Weight	200 / 191 kg / 440 / 420 lbs
Ski Stance	1080 mm / 42,5 in
Ski Overall Length	1007 mm / 40 in
Ski Width	140 mm / 5,5 in
Track Nominal Width	381 mm / 15 in
Track Nominal Length	3074 mm / 121 in
Track Profile Height	22,3 / 18,4 mm / 0,88 / 0,72 in

### CAPACITIES

Fuel tank: Liters / Gal	40 / 10,6
Recommended Fuel Type	Regular unleaded
Minimum Octane	87
Oil: Liters / Quarts	3,5 / 3,3
Lighting System Output (AC)	340 @ 6000 RPM
Headlamp Bulb Hi / Low Beam	2 x 60 / 55 W (H-4)

### FEATURES

Seating	Standard
Handlebar	Straight
Electric Start	Optional
Electronic Reverse (RER)	Standard
Heated Throttle Lever	Standard
Heated Grips	Standard
Speedometer	Standard Electronic
Tachometer	Optional
Electric Fuel Gauge	Optional
Electric Temperature Gauge	N / A
Mirrors Kit	Optional
Windshield	Medium Profile
Carbide Runner	1 x 4" Standard
Adjustable Toe Hold	Optional
Anti-slip Running Boards	Optional
Luggage Rack	N / A
Hitch	Optional

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