



2024

MODELS

Rideability



**2024 MODELS**

	OFF ROAD 	TWO STROKE - 125 / 200 / 250 / 300 FOUR STROKE - 350 / 390 / 430 / 480
	STREET LEGAL 	FOUR STROKE - 350 / 390 / 430 / 500
	OFF ROAD 	TWO STROKE - 300
	MOTO CROSS 	TWO STROKE - 300 FOUR STROKE - 450
	RACE BIKE 	TWO STROKE - 125 / 200 / 250 / 300 FOUR STROKE - 350 / 390 / 430 / 480
	MOTO TRIALS 	TWO STROKE - 125 / 200 / 250 / 300 300 SS FOUR STROKE - 300 EVO 80 JR & SR
	E-MOTO 	ELECTRIC - E-MOTO
	YOUTH BIKE 	ELECTRIC - YOUTH BALANCE BIKES

*Specifications listed within this catalog are subject to change without notice. Additional information on all models including manuals, accessories, and parts books are available online at www.betausa.com/support

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2-STROKE
125



THE PLAY BIKE WITH A RACING ATTITUDE

OVERVIEW

The Beta 125 RR is a result of a long development from the Beta R&D department aimed at filling a gap in the off-road market as a play bike, but also a serious race bike for the GNCC XC3 class & the NEPG Enduro classes.

FEATURES

- » Six Speed Transmission
- » Off-Road Light & Meter Package
- » Adjustable Power Valve
- » Broad Power Delivery
- » Dual Map Selection
- » Sachs ZF Forks with Tool-Less Adjustability
- » Hydraulic Clutch
- » Pre-Mix





2024

RR



2-STROKE
200



AGILITY AND POWER

OVERVIEW

The 2024 200 RR bridges the gap between the 125 and full size 250/300. It has a nimble chassis like the 125, making it easier to maneuver than the larger two stroke models, but it has added torque.

FEATURES

- » Six Speed Transmission
- » Off-Road Light & Meter Package
- » Adjustable Power Valve
- » Similar Weight to 125 with Added Torque
- » Electric Start
- » Sachs ZF Forks with Tool-Less Adjustability
- » Automatic Oil Injection
- » Easy Access Air Filter Box





2-STROKE
250 | 300



THE FLAGSHIP ENDURO BIKE

OVERVIEW

The Beta 250 & 300 RR are the pinnacle of the Enduro class of bikes. Beta's rich history of motorcycle development have resulted in a refined riding experience. These two models embody the Rideability ethos of Beta.

FEATURES

- » Six Speed Transmission
- » Off-Road Light & Meter Package
- » Adjustable Power Valve
- » Broad Power Delivery
- » Electric Start
- » Sachs ZF Forks with Tool-Less Adjustability
- » Automatic Oil Injection
- » Easy Access Air Filter Box
- » Counter Balanced Engine
- » **New** Lighter & Durable Radiator with more Fork Clearance for Greater Turning Radius
- » **New** Seat Design with Softer Foam





2024

RR



PERSONALITY

250 RR

Prefers to be revved out a bit more than the 300 RR, yet still provides a smooth power delivery

300 RR

An amazing amount of torque with a lightweight feel that provides the ultimate traction and ease of riding



4-STROKE
350 | 390 | 430 | 480



SMOOTH 4-STROKE POWER DELIVERY

OVER
VIEW

The 4-Stroke line-up of RR models features four different-sized engines all based on the same platform yet with different bores and strokes which provide a different riding experience. From the flickable, free-revving 350 all the way up to the torque of the 480, riders of all abilities will find the Rideability of the Beta 4-stroke RR models refreshing.

FEATURES

- » **NEW** Seat Design with Softer Foam
- » **NEW** Lighter & Durable Radiator with more Fork Clearance for Greater Turning Radius
- » Off-Road Light & Meter Package
- » Easy Access Air Filter Box
- » Dual Map Selection
- » Sachs ZF Forks with Tool-Less Adjustability
- » Smooth 4-Stroke Power Delivery
- » On-Demand Traction Control
- » EFI with Twin Injectors
- » Quick Release Seat Removal





4-STROKE
350 | 390 | 430 | 500



2024

RR / RS

THE MOST OFF ROAD WORTHY DUAL SPORT

OVERVIEW

The RS models are infused with the same pedigree found in the RR bikes. These dual sport models are competitive off road motorcycles while maintaining a 50 state street legal status, which enables the rider to connect trails for even more riding & fun.

FEATURES

- » 50 State Street Legal Off-Road
 - » EFI with Twin Injectors
 - » Fold Down Mirrors
 - » Dual Map Switch
 - » Electric Start
 - » Sachs ZF Forks with Tool-Less Adjustability
- » 200 Watt High Output Stator
- » Easy Access Air Filter Box
- » Voyager GPS Navigation & Meter System (seen below)



STREET LEGAL

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XTRAINER

2-STROKE
300



THE #1 SELLING ENTRY LEVEL ENDURO BIKE

OVER
VIEW

With a lower seat height and softer power delivery, the Xtrainer is the ideal bike for riders looking for a motorcycle that is easy to ride and usable in every situation.

FEATURES

- » Automatic Oil Injection
- » High Quality O-Ring Chain
- » Adjustable Power Valve
- » Smooth Power Delivery
- » Electric Start
- » Counter-Balanced Engine
- » Lower Seat Height (35.8")
- » Easy Access Air Filter Box
- » Dual Map Selection



OFF
ROAD

Rideability



2024

XTRAINER

OFF
ROAD

XTRAINER

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2-STROKE
300



BRINGING RIDEABILITY TO MOTOCROSS

OVER VIEW

This motorcycle has a rare combination of linear speed and Rideability on the motocross track. Assembled with top level components, this premium machine is built as a contender. Not only is the RX the best looking bike at the track, but also has the performance to back up its undeniable appeal.

FEATURES

- » Six Speed Transmission
- » Plated Exhaust Pipe
- » Adjustable Power Valve
- » 19" Rear Wheel
- » Electric Starter
- » Billet Aluminum Footpegs
- » Racing Graphics & Seat Cover
- » Custom Power Delivery for MX
- » KYB Front & Rear MX Suspension



4-STROKE
450

FOUR STROKE MOTO POWER

OVERVIEW

Beta's prototype testing has been going on for more than four years and now the wait is over for the all-new 2024 450 RX Motocross model. Officially the first four-stroke motocross bike built by Beta, the 450 RX model was designed to carry on the Beta tradition of Rideability. To offer a ride that is more forgiving while still providing performance that will encourage aggressive riding. The design is completely new from the ground up. Frame, engine, and all other components are of the highest level of performance and lightness.

FEATURES

- » Five Speed Transmission
- » High Performance Stainless Exhaust System
- » Purpose Built Chassis for MX
- » 19" Rear Wheel
- » Electric Starter
- » Billet Aluminum Footpegs
- » Counter Balanced Engine
- » Multi Adjustment Diaphragm Clutch allows rider to select feel
- » KYB Front & Rear MX Suspension
- » 46mm Throttle Body
- » Four Different Throttle Pulleys to Customize Throttle Response
- » Dual MAP Ignition System with Traction Control
- » Anodized Dual Material Rear Sprocket







20
24



MOTO
CROSS

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RACE EDITION
2-STROKE
125 | 200



LIGHTWEIGHT, POWERFUL, RIDEABILITY

OVERVIEW

The 125 & 200 Race Edition models share a mission of being extremely capable in competition while retaining Beta's signature Rideability in all riding environments.



125cc

The RR Race Editions models represent a competition ready version of the enduro RR models

The 125 RR Race Edition has a redesigned engine with an all-new cylinder and power valve system to further enhance the power of this bike. The new power valve, along with new porting, allows the bike to spin-up quicker. This translates to increase peak power without sacrificing torque.



200cc

The 200 RR Race Edition fits a particular niche in the off-road market. It has the agility of the 125cc model but with more power.

FEATURES

Six Speed Transmission | Off-Road Light & Meter Package | Adjustable Power Valve | Broad Power Delivery | Dual Map Selection | Adjustable KYB AOS Closed Cartridge Front & Adjustable KYB Rear shock Hydraulic Clutch | Dual Material Sprocket | Pre-Mix (Oil injection kit can be added as an accessory)



RACE EDITION
2-STROKE
250 | 300



CHAMPIONSHIP PEDIGREE

OVERVIEW

The 250 and 300 RR Race Edition motorcycles are key to the success of Beta Racing Off Road teams. Races & won aboard these bikes range from GNCC to Enduro GP.

FEATURES

- » Six Speed Transmission
- » Off-Road Light & Meter Package
- » Adjustable Power Valve
- » Dual Material Rear Sprocket
- » Electric Start
- » Adjustable KYB AOS Closed Cartridge Front & Adjustable KYB Rear shock
- » Pre-Mix (*Oil Injection Kit can be ordered as accessory*)
- » Counter Balanced Engine
- » Billet Aluminum Footpegs
- » Easy Access Air Filter Box
- » **New** Twin Spark System (*300 only*)
- » **New** Frame with Increased Rigidity for Better Stability without Effecting Overall Feel





RACE EDITION

4-STROKE - 350 | 390 | 430 | 480



STUNNING LOOKS, ELITE PERFORMANCE

**OVER
VIEW**

There is no dismissing the sheer beauty of the RR Race Edition models. Italian engineers have perfected the art of designing a beautiful motorcycle. Combined with the added performance upgrades for 2024, these models are the real deal.

FEATURES

- » Six Speed Transmission
- » Billet Aluminum Footpegs
- » Racing Graphics & Seat Cover
- » Smooth 4-Stroke Power Delivery
- » Dual Material Rear Sprocket
- » Quick Release Front Axle Pull
- » On-Demand Traction Control
- » Adjustable KYB AOS Closed Cartridge Front & Adjustable KYB Rear shock
- » All New Reinforced Handguards
- » The Lightest Feeling 4-Stroke Range Ever Produced



EVO

2-STROKE

125 | 200 | 250 | 300



THE MOST RELIABLE TRIALS BIKE AVAILABLE

OVERVIEW

Beta builds the best trials bikes in the world. Our Evo 2-Stroke editions are the top selling Trials bikes in the USA for a good reason. Evo models offer versatility for any type of Trials terrain & give all experience levels the right fit for their needs.

FEATURES

- » Six Speed Transmission
- » Hard Coated Fork Tubes (except on 125 & 200)
- » Hydro-Formed Aluminum Frame
- » Tight Turning Radius
- » Hydraulic Clutch
- » Tubeless Rear Tire
- » Improved Carburetion & Ignition Mapping with MAP Switch
- » **New** Electronic Key that functions as an Anti-Theft & Kill Switch



EVO

2-STROKE
300 SS



SUPER SMOOTH THROTTLE

OVER VIEW

The EVO 300 Super Smooth is an excellent option for senior riders. Engine settings differ from the standard 300 providing a softer power delivery which gives the rider a more predictable feel while riding trials.

FEATURES

- » Six Speed Transmission
- » Tubeless Rear Tire
- » Larger Flywheel Providing More Torque
- » Softer Power Delivery
- » Different Ignition Programming
- » Hydro-Formed Aluminum Frame



EVO4-STROKE
300

MORE TORQUE, MORE FUN

OVERVIEW

Evo 300 4 stroke provides the rider with a whisper-quiet exhaust note, traction that only a 4 stroke can provide as well as a power delivery that is almost electric. The four-valve engine with a five speed transmission is the perfect match for those who strive for the power delivery of a thumper.

FEATURES

- » Five Speed Transmission
- » Hard Coated Fork Tubes
- » Extremely Quiet
- » New Optimized Radiator Grill
- » Domino Grips
- » Hydro-Formed Aluminum Frame
- » Hydraulic Clutch
- » Many Accessories for Upgrades
- » Anti Theft & Safety Kill Switch



EVO

EVO SPORT - 2-STROKE
125 | 200 | 250 | 300 | 300 SS

EVO SPORT - 4-STROKE
300

FEATURES

- » 2 Gallon Fuel Capacity
- » Knobby Tires
- » Cushioned Seat
- » Beta Hand Guards
- » Taller Gearing
- » Meter Package
- » Front Fender Lift Kit
- » Versatile Riding Experience



THE SLOW SPEED ADVENTURE BIKE

**OVER
VIEW**

The Beta Evo Sport was designed for the rider who wants to do a little trail riding and trials on the same trip. The Evo Sport can be ordered as kit to fit any full size Evo Model

EVO

EVO JR & SR
2-STROKE

FEATURES

- » Non Intimidating Entry Level Bikes
- » 2-Stroke Liquid Cooled Engine
- » Six Speed Transmission
- » A Great Transition Platform
Leading into Enduro or Trials
- » Most Dependable Youth
Trials Bike on the Market
- » Evo Jr. Ages 9 - 12
- » Evo Sr. Ages 11 - 15



THE PERFECT TRIALS STARTER BIKES

**OVER
VIEW**

The Beta Evo Jr. & Sr. models are the best trials bikes for kids to begin in the sport. These super reliable models offer a stable platform that youth riders can develop their riding skills on without being intimidated.

e-KINDER

YOUTH ENTRY LEVEL BIKES

FEATURES

- » Rear Disc Brakes
- » Youth Sized Levers
- » Battery Indicator on Twist Throttle
- » Aluminum Alloy Frame
- » Removable Batteries
- » 16" Pro has Front Suspension
- » **Race Models** come with Full Suspension, Folding Footpegs, Higher Capacity Battery, Alloy Spoked Rims, Front & Rear Disc Brakes

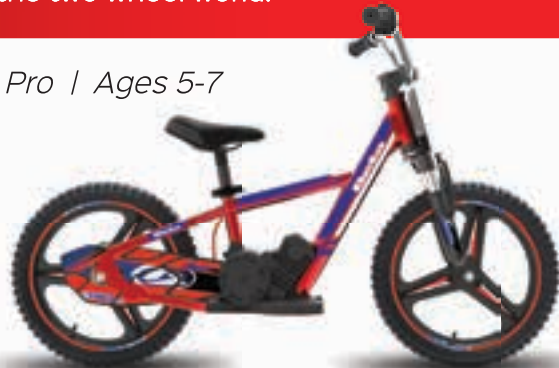
OVERVIEW

The all new youth range of electric balance bikes. These Beta eKinder bikes offer young riders a great introduction into the two wheel world.

12" eKinder | Ages 3-5



16" eKinder Pro | Ages 5-7

**eKinder Race Models**

16" | Ages 6-9

18" | Ages 8-11

20" | Ages 10-16

Explorer



BUILT FOR ADVENTURE

OVER
VIEW

The all-new Beta Explorer is a 100% electric E-Moto bike designed to appeal to adult riders of all ages and experience levels. Built for fun off-road adventures, the Explorer is quiet, simple, and easy to ride, providing a riding experience like no other.



FEATURES

- » Two Speeds plus Rocket Mode
- » Lightweight & Sturdy Chassis
- » Hydraulic Front & Rear Disc Brakes
- » Adjustable Footpegs
- » Maximum Top Speed 40 MPH
- » Adjustable Front & Rear Suspension
- » Aluminum Wheels with Kenda Tires
- » 74 volt Swappable Battery
- » Battery Charges Fully in 2-3 hours
- » Digital Meter for Range, MPH, & Mode
- » Underseat Storage Area

Explorer

» HUNTER EDITION

Equipped with a cargo rack & an outdoor color scheme



TECHNICAL SPECS



ENGINE SPECS

Engine	2-Stroke - 125 200 250 300			
Type	Beta built single cylinder, 2-stroke, adjustable power valve, liquid cooled, counter balancer (250/300), electric start with a back up kick start sold as an option. (*125cc doesn't have an electric starter & comes stock with kick starter.)			
Bore	54mm	62mm	66.4mm	73mm
Stroke	54.5mm	63mm	72mm	69.9mm
Displacement	124.8cc	190.2cc	249cc	292.6cc
Compression Ratio	15.2:1	13.5:1	13.2:1	11.63:1
Exhaust Valve	Beta Progressive Valve (BPV)			
Ignition	AC-CDI Kokusan w/ dual map switch			
Spark Plug	NGK BR9ECMVX NGK BR8ECM NGK BR8ES NGK GR7C18			
Lubrication	Premix (125cc only) Electric Oil Injection			
Oil Tank Capacity	650cc (Oil not applicable on 125 model)			
Carburetor	Keihin PWK 36mm			
Clutch	Wet multi-disc (125 & 200) Wet Diaphragm-style (250 & 300)			
Transmission	6 Speed			
Final Drive	High quality O-Ring chain			

CHASSIS SPECS

Frame	Molybdenum steel/double cradle with quick air filter access & push button seat removal
Wheelbase	58.1" (125cc/200cc) 58.3" (250cc/300cc)
Seat Height	36.6"
Ground Clearance	12.8" (125cc/200cc) 12.6" (250cc/300cc)
Footrest Height	16.1" (125cc/200cc) 16.0" (250cc/300cc)
Dry Weight <small>(wet weigh, no fuel)</small>	207 lbs. (125cc) 214 lbs (200cc) 228 lbs (250/300)
Fuel Tank Capacity	2.5 US Gallons
Front Suspension	48mm Sachs USD fork, adjustable compression, rebound, and spring preload.
Rear Suspension	Aluminum Body Sachs shock w/ adjustable rebound and hi/low speed compression
Front Wheel Travel	11.6"
Rear Wheel Travel	11.4"
Front Brake	260mm floating rotor
Rear Brake	240mm rotor
Front/Rear Rim	21" (Front) 18" (Rear)
Front/Rear Tire	Maxxis Enduro

**This model is for competition use only



ENGINE SPECS

Engine	4-Stroke - 350 390 430 480			
Type	Single cylinder, 4-valve (titanium intake and exhaust), 4-stroke liquid cooled, electric start. (back up kick start available as option)			
Bore	88mm	88mm	95mm	100mm
Stroke	57.4mm	63.4mm	60.8mm	60.8mm
Displacement	349.1cc	385.6cc	430.9cc	477.5cc
Compression Ratio	13.19:1	12.48:1	12.33:1	11.86:1
Valve Train	Finger followers w/ shim adjustment			
Ignition	DC-CDI Kokusan 200w output w/ dual map switch On-Demand Traction Control			
Spark Plug	NGK LKAR 8A-9			
Lubrication	Twin oil pumps with cartridge oil filter Separate oil for engine and clutch			
Fuel System	42mm Electronic Fuel Injection (Twin Injectors)			
Clutch	Wet Diaphragm-Style			
Primary Ratio	28:76 (350 & 390) 31.72 (430 & 430)			
Transmission	6 Speed			
Final Drive	High quality O-Ring chain, DID			
Traction Control	On-Demand with push of a button			

CHASSIS SPECS

Frame	Molybdenum steel/double cradle split above exhaust port. Quick air filter access & push button seat removal
Wheelbase	58.7"
Seat Height	37"
Ground Clearance	12.6"
Footrest Height	16.3"
Dry Weight <small>(wet weigh, no fuel)</small>	237 lbs. (350cc & 390cc) 239 lbs (430cc & 480cc)
Electrical	Multi-function meter
Fuel Tank Capacity	2.4 US Gallons
Front Suspension	48mm Sachs open cartridge fork, adjustable compression, spring preload & rebound
Rear Suspension	Aluminum Body Sachs shock w/ adjustable rebound and hi/low speed compression
Front Wheel Travel	11.6"
Rear Wheel Travel	11.4"
Final Gearing	13t front, 48t rear
Front Brake	260mm rotor
Rear Brake	240mm rotor
Front/Rear Rim	21" (Front) 18" (Rear)
Front/Rear Tire	Maxxis Enduro

**This model is for competition use only

TECHNICAL SPECS



SPECS

ENGINE SPECS				
Engine	4-Stroke - 350 390 430 500			
Type	Single cylinder, 4-valve, (titanium intake and exhaust), 4-stroke, liquid cooled, cooling fan, electric start.			
Bore	88mm	88mm	95mm	100mm
Stroke	57.4mm	63.4mm	60.8mm	60.8mm
Displacement	349.1cc	385.6cc	430.9cc	477.5cc
Compression Ratio	13.19:1	12.48:1	12.33:1	11.86:1
Valve Train	Finger followers w/ shim adjustment			
Ignition	DC-CDI Kokusan w/ dual map switch 200 watt output at 6000 RPM On-Demand Traction Control w/ push of a button			
Spark Plug	NGK LKAR 8A-9			
Lubrication	Twin oil pumps with cartridge oil filter Separate oil for engine and clutch			
Fuel System	42mm Electronic Fuel Injection (Twin Injectors)			
Clutch	Wet Diaphragm-style			
Transmission	6 Speed			
Final Drive	High quality O-Ring chain			
Warranty	12 Months Limited Warranty			

CHASSIS SPECS	
Frame	Molybdenum steel/double cradle with quick air filter access & push button seat removal
Wheelbase	58.7"
Seat Height	37"
Ground Clearance	12.6"
Footrest Height	16.3"
Dry Weight <small>(wet weigh, no fuel)</small>	241 lbs. (350cc & 390cc) 243 lbs (430cc & 500cc)
Fuel Tank Capacity	2.4 US Gallons
Front Suspension	48mm Sachs USD fork, adjustable compression, rebound, and spring preload.
Rear Suspension	Aluminum Body Sachs shock w/ adjustable rebound and hi/low speed compression
Front Wheel Travel	11.6"
Rear Wheel Travel	11.4"
Final Gearing	15t front, 48t rear (Comes with a 13t front for off road use)
Front Brake	260mm floating rotor
Rear Brake	240mm rotor
Front/Rear Rim	21" (Front) 18" (Rear)
Front/Rear Tire	DOT Maxxis Enduro
Electrical	Trail Tech Voyager GPS Unit



ENGINE SPECS	
Engine	2-Stroke 300
Type	Beta built single cylinder, 2-stroke, liquid cooled, counter balancer, with BPV power valve system and electric start with a back up kick start sold as an option
Bore	73mm
Stroke	69.9mm
Displacement	292.3cc
Compression Ratio	11.55:1
Exhaust Valve	Beta Progressive Valve (BPV)
Ignition	AC-CDI Kokusan w/ dual map switch
Spark Plug	NGK GR7CI8
Lubrication	Electronic Oil Injection
Oil Tank Capacity	650cc
Carburetor	Keihin PWK 36mm
Clutch	Wet Diaphragm-style
Transmission	6 Speed
Final Drive	High quality O-Ring chain

CHASSIS SPECS	
Frame	Molybdenum steel/Parameter-Style with quick air filter access
Wheelbase	57.8"
Seat Height	35.8"
Ground Clearance	12.6"
Footrest Height	15.4"
Dry Weight	218 lbs. (Wet weight, no fuel)
Fuel Tank Capacity	2.32 US Gallons
Front Suspension	43mm inverted with rebound & spring preload adjustment
Rear Suspension	Steel body shock with adjustable rebound and compression with linkage
Front Wheel Travel	10.6"
Rear Wheel Travel	10.6"
Front Brake	260mm floating rotor
Rear Brake	240mm rotor
Front/Rear Rim	21" (Front) 18" (Rear)
Front/Rear Tire	Soft Enduro Competition

**This model is for competition use only



TECHNICAL SPECS



ENGINE SPECS

Engine	2-Stroke - 300
Type	Beta built single cylinder, 2-stroke, adjustable power valve, liquid cooled, electric start with a back up kick start sold as an option.
Bore	72mm
Stroke	72mm
Displacement	293.1 cc
Compression Ratio	11.63:1
Exhaust Valve	Beta Progressive Valve (BPV)
Ignition	AC-CDI Kokusan w/ dual map switch
Spark Plug	NGK BR8ECM
Lubrication	Premix
Oil Tank Capacity	N/A
Carburetor	Keihin PWK 38mm
Clutch	Wet Diaphragm-style
Transmission	6 Speed
Final Drive	High quality O-Ring chain

CHASSIS SPECS

Frame	Molybdenum steel/double cradle with quick air filter access & push button seat removal
Wheelbase	58.6"
Seat Height	37"
Ground Clearance	13.3"
Footrest Height	16.9"
Dry Weight <small>(wet weigh, no fuel)</small>	220 lbs
Fuel Tank Capacity	2.51 US Gallons
Front Suspension	48mm KYB AOS Closed Cartridge fork, adjustable compression & rebound
Rear Suspension	KYB 46mm body rear shock with adjustable rebound and high/low speed compression adjust
Front Wheel Travel	11.6"
Rear Wheel Travel	11.4"
Front Brake	260mm floating rotor
Rear Brake	240mm rotor
Front/Rear Rim	21" (Front) 19" (Rear)
Front/Rear Tire	Michelin Starcross

**This model is for competition use only



ENGINE SPECS

Engine	4-Stroke - 450
Type	Single cylinder, 4 -stroke, liquid cooled, 4-valve with electric start.
Bore	97mm
Stroke	60.8mm
Displacement	449.3cc
Compression Ratio	13.4:1
Valve Train	Finger followers w/ shim adjustment
Ignition	Dual-Map Kokusan with Traction Control
Spark Plug	NGK LKAR 8A-9
Lubrication	Twin Oil Pumps w/Cartridge Filter & Separate Compartments For Engine & Transmission
Fuel System	46mm Throttle Body
Clutch	Hydraulic, adjustable diaphragm multi-plate clutch
Transmission	5 Speed
Final Drive	High quality O-Ring chain, DID

CHASSIS SPECS

Frame	Molybdenum steel / Double Cradle w/ push button seat and quick air filter access
Wheelbase	58.4"
Seat Height	37.2"
Ground Clearance	13"
Footrest Height	16.1"
Dry Weight <small>(wet weigh, no fuel)</small>	229 lbs.
Fuel Tank Capacity	1.8 US Gallons
Front Suspension	48mm KYB AOS Closed Cartridge fork, adjustable compression & rebound
Rear Suspension	KYB 50mm body with adjustable rebound and high/low speed on compression adjustment
Front Wheel Travel	12"
Rear Wheel Travel	11.8"
Front Brake	260mm rotor
Rear Brake	240mm rotor
Front/Rear Rim	21" (Front) 19" (Rear)
Front/Rear Tire	Maxxis

**This model is for competition use only

TECHNICAL SPECS



ENGINE SPECS

Engine	2-Stroke - 125 200 250 300			
Type	Beta built single cylinder, 2-stroke, adjustable power valve, liquid cooled, counter balancer (250/300), electric start with a back up kick start sold as an option. (*125cc doesn't have an electric starter & comes stock with kick starter.)			
Bore	54mm	62mm	66.4mm	73mm
Stroke	54.5mm	63mm	72mm	69.9mm
Displacement	124.8cc	190.2cc	249cc	292.6cc
Compression Ratio	15.2:1	13.5:1	13.2:1	11.63:1
Exhaust Valve	Beta Progressive Valve (BPV)			
Ignition	AC-CDI Kokusan w/ dual map switch			
Spark Plug	NGK BR9ECMVX NGK BR8ECM NGK BR8ES NGK GR7C18			
Lubrication	Premix (Electric Oil Injection Kit can be ordered as accessory, except on 125)			
Carburetor	Keihin PWK 36mm			
Clutch	Wet multi-disc (125 & 200) Wet Diaphragm-style (250 & 300)			
Transmission	6 Speed			
Final Drive	High quality O-Ring chain			

**This model is for competition use only

CHASSIS SPECS

Frame	Molybdenum steel/double cradle with quick air filter access & push button seat removal
Wheelbase	58.1" (125cc/200cc) 58.3" (250cc/300cc)
Seat Height	36.6"
Ground Clearance	12.8" (125cc/200cc) 12.6" (250cc/300cc)
Footrest Height	16.1" (125cc/200cc) 16.0" (250cc/300cc)
Dry Weight <small>(wet weigh, no fuel)</small>	207 lbs. (125cc) 211.5 lbs (200cc) 228 lbs (250/300)
Fuel Tank Capacity	2.5 US Gallons
Front Suspension	48mm KYB AOS Closed Cartridge fork, adjustable compression & rebound.
Rear Suspension	KYB 46mm body rear shock with adjustable rebound and high/low speed compression adjust
Front Wheel Travel	11.6"
Rear Wheel Travel	11.4"
Front Brake	260mm floating rotor
Rear Brake	240mm rotor
Front/Rear Rim	21" (Front) 18" (Rear)
Front/Rear Tire	Maxxis



ENGINE SPECS

Engine	4-Stroke - 350 390 430 480			
Type	Single cylinder, 4-valve, (titanium intake and exhaust), 4-stroke liquid cooled, electric start. (back up kick start available as option)			
Bore	88mm	88mm	95mm	100mm
Stroke	57.4mm	63.4mm	60.8mm	60.8mm
Displacement	349.1cc	385.6cc	430.9cc	477.5cc
Compression Ratio	13.19:1	12.48:1	12.33:1	11.86:1
Ignition	DC-CDI Kokusan w/ dual map switch 200 watt output at 6000 RPM On-Demand Traction Control			
Spark Plug	NGK LKAR 8A-9			
Lubrication	Twin oil pumps with cartridge oil filter Separate oil for engine and clutch			
Fuel System	42mm Electronic Fuel Injection (Twin Injectors)			
Clutch	Wet Diaphragm-style			
Primary Ratio	28:76 (350 & 390) 31:72 (430 & 480)			
Transmission	6 Speed			
Final Drive	High quality O-Ring chain, DID			

**This model is for competition use only

CHASSIS SPECS

Frame	Molybdenum steel/double cradle split above exhaust port. Quick air filter access & push button seat removal
Wheelbase	58.7"
Seat Height	37"
Ground Clearance	12.6"
Footrest Height	16.3"
Dry Weight <small>(wet weigh, no fuel)</small>	237 lbs. (350cc & 390cc) 239 lbs (430cc & 480cc)
Electrical	Multi-function meter
Fuel Tank Capacity	2.4 US Gallons
Front Suspension	48mm KYB AOS Closed Cartridge fork, adjustable compression & rebound
Rear Suspension	KYB 46mm body rear shock with adjustable rebound and high/low speed compression adjust
Front Wheel Travel	11.6"
Rear Wheel Travel	11.4"
Final Gearing	13t front, 48t rear
Front Brake	260mm rotor
Rear Brake	240mm rotor
Front/Rear Rim	21" (Front) 18" (Rear)
Front/Rear Tire	Maxxis

TECHNICAL SPECS



ENGINE SPECS

Engine	2-Stroke - 125 200 250 300 300 SS
Type	Beta-Built single cylinder, 2-stroke, liquid cooled.
Bore	54mm 64mm 72.5mm 79mm 79mm
Stroke	54.5mm 60.5mm 60.5mm 60.5mm 60.5mm
Displacement	124.8cc 194.6cc 249.7c 296.5cc 296.5cc
Compression Ratio	15.9:1 11.4:1 9:1 10.6:1 9.6:1
Ignition	12 volt, 110 watt with dual-map switch (aggressive or soft settings)
Spark Plug	NGK GR7CI8
Lubrication	Pre-mix (Synthetic Oil)
Carburetor	Keihin PWK 28mm
Clutch	Wet multi-disc with cush-drive basket
Transmission	6 Speed

* EVO SPORT - SPECS

Seat Height	32"
Dry Weight	148lbs.
Fuel Tank Capacity	2 US Gallons
Final Gearing	10t front, 43t rear (125) 12t front, 41t rear (200) 11t front, 42t rear (250, 300)
Front/Rear Tire	Shinko Knobby

CHASSIS SPECS

Frame	Aluminum beam, single wave, Hydro-formed with built in fuel tank
Wheelbase	51.4"
Seat Height	26" *
Ground Clearance	12.2"
Footrest Height	13.6"
Dry Weight <small>(wet weigh, no fuel)</small>	145lbs. (125 & 200) 146 lbs (250, 300, 300ss) *
Fuel Tank Capacity	.75 US Gallons *
Front Suspension	38mm Paioli w/ hard-coated tubes (250, 300, 300ss)
Rear Suspension	Adjustable single shock, aluminum bodied, with a nitrogen valve including linkage
Front Wheel Travel	6.5"
Rear Wheel Travel	7.1"
Final Gearing	9t front, 43t rear (125) 11t front, 42t rear (200) 10t front, 42t rear (250, 300, 300ss) *
Front Brake	185mm rotor with 4-piston caliper
Rear Brake	160mm rotor with twin-piston caliper
Front/Rear Rim	21" (Front) 18" (Rear)
Front/Rear Tire	Michelin or Dunlop Competition *

**This model is for competition use only



ENGINE SPECS

Engine	4-Stroke - 300
Type	Single cylinder, 4-stroke, 4-valve, liquid cooled.
Bore	84mm
Stroke	53.6mm
Displacement	297.3cc
Compression Ratio	9.7:1
Ignition	Electronic 12 volt with dual-map switch (aggressive or soft setting)
Spark Plug	NGK MR7BI-8
Lubrication	Internal oil pump w/ cartridge filter
Carburetor	Mikuni CV
Clutch	Wet multi-disc
Transmission	5 Speed

**This model is for competition use only

CHASSIS SPECS

Frame	Aluminum beam, single wave, Hydro-formed with built in fuel tank
Wheelbase	51.4"
Seat Height	26"
Ground Clearance	12.2"
Footrest Height	13.6"
Dry Weight <small>(wet weigh, no fuel)</small>	155.5lbs.
Fuel Tank Capacity	.75 US Gallons
Front Suspension	38mm Paioli w/ hard-coated tubes
Rear Suspension	Adjustable single shock, aluminum bodied, including linkage
Front Wheel Travel	6.5"
Rear Wheel Travel	7.1"
Final Gearing	11t front, 42t rear
Front Brake	185mm rotor with 4-piston caliper
Rear Brake	160mm rotor with twin-piston caliper
Front/Rear Rim	21" (Front) 18" (Rear)
Front/Rear Tire	Michelin or Dunlop Competition

TECHNICAL SPECS



ENGINE SPECS

Engine	2-Stroke - 80 Jr & Sr
Type	Single cylinder, 2-stroke, liquid cooled with reed valve
Bore	48mm
Stroke	44mm
Displacement	79.6cc
Compression Ratio	14.7:1
Ignition	Electronic 12v, 85 watts
Spark Plug	Champion RN3C
Lubrication	Pre-mix (synthetic oil)
Carburetor	Dell'Orto 21mm
Clutch	Wet multi-disc
Transmission	6 Speed

**This model is for competition use only

CHASSIS SPECS

Frame	Steel frame with engine as support
Wheelbase	47.6" 48.4"
Seat Height	24.4" 26"
Ground Clearance	11.8" 12.8"
Footrest Height	12.2" 14.7"
Dry Weight <small>(dry weight)</small>	132.2 lbs 145.5 lbs.
Fuel Tank Capacity	.7 US Gallons
Front Suspension	33mm Paioli 38mm Paioli
Rear Suspension	Single shock, adjustable dampening & preload Adjustable single shock, aluminum bodied, with nitrogen, including linkage
Front Wheel Travel	6.3" 6.9"
Rear Wheel Travel	5.7" 5.9"
Final Gearing	11t front, 54t rear 11t front, 60t rear
Front Brake	175mm 185mm rotor with 4-piston caliper
Rear Brake	150mm 160mm rotor with twin-piston caliper
Front/Rear Rim	19" (Front) 17" (Rear) 21" (Front) 18" (Rear)
Front/Rear Tire	Trial Competition



ENGINE SPECS

Peak Power	12.5 Kw
Battery	74v 35AH - Takes just a minute to remove
Speed	Two Speeds plus Rocket Mode, reverse gear as well
Max Speed	40 MPH
Charge Time	2-3 Hours standard 115v outlet
Range	Speed One: 50-100 miles Speed Two: 30-60 miles
Display	Digital meter - Range, mode, mph, with total miles
Warranty: Chassis	Six Months
Warranty: Battery, Charger, Motor	Two Years

CHASSIS SPECS

Frame	Forged Aluminum with steel upper structure
Brakes	Hydraulic 210 mm disc, front & rear
Wheels	Aluminum Rims with Machined Hubs 90/100-18 Kenda Knobby (rear) 70/100-19 Kenda (front)
Front Fork	USD Adjustable
Rear Shock	Adjustable compression, rebound and spring preload - with linkage
Seat Height	33.8"
Wheelbase	52.4"
Weight with Battery	150 lbs
Maximum Load	265 lbs
Storage	Water Bottle/other under the seat



ENGINE SPECS

Models	12" 16" Pro 16" & 18" Race 20" Race
Battery (Removable)	24v 2.6 AH 24v 5.2 AH 36v 5 AH 36v 7.5 AH
Charger	24.9V 1A 24.9 1A 42V 3A 42V 3A
Max Speed (Depending on mode)	3 - 9 MPH 6 - 15 MPH 9 - 18 MPH 9 - 22 MPH
Motor	200 Watts 350 Watts 500 Watt 750 Watt
Range	30-60 mins
Warranty	Six Months

CHASSIS SPECS

Frame	Aluminum Alloy
Brakes	Rear Vented Disc Race Models Front/Rear Disc Brakes
Weight	22 lbs 26 lbs 38lbs & 45 lbs 49 lbs
Maximum Load	75 lbs 110 lbs 154 lbs 165 lbs
Suspension	N/A Front Shock Front & Rear Shock
Wheel Size	12" 16" 16" & 18" 20"
Recommended Ages	3 - 5 5 - 7 6-9 & 8-11 10-16

Beta

FACTORY SUSPENSION

Beta has designed a simple way to order suspension tailored for each individual rider. Once you are logged on the betasuspension.com site you will be able to choose from different packages, and/or service options for your new or used Beta. Before checking out, complete the build form and your factory suspension will be tailored to your specific riding style, weight, and riding terrain. A special suspension box is sent to you or your dealer to ensure your suspension is not damaged while en route to Beta USA. Your customized suspension will be then shipped to your dealer upon build completion.



Support Package



Factory Package



Factory Pro Package



BETASUSPENSION.COM

Beta recognizes that not all riders have the same needs. Our BYOB program is designed for riders that want a bike built for them! We have created a custom build program that allows the Beta owner to build his or her new ride the way it should be...for them!



Chassis Parts

Customize your ride with over-sized tanks, graphics, carbon fiber, and much more.

Engine Add-ons

Radiator fans, billet caps, parts and more!

Gearing & Rotors

Upgrade your sprockets, brake rotors, and more.

Wheels & Tires

Upgrade your tires, wheels, rims, hubs, and more.

Finish Details

Add it all up and place your deposit on your custom Beta!

Go to betausa.com to start your build





Rideability

BETAUSA.COM

