



2010 Snowmobiles



感動
Kando



Yamaha Motor Europe N.V.
Koolhovenlaan 101
1119 NC Schiphol-Rijk
Phone: +31 (0)20 654 60 00
www.yamaha-motor-europe.com



Yamaha highly recommend
to you the use of genuine
Yamaha accessories and
clothing. Contact your local
dealer or visit our website:
www.yamaha-motor-acc.com

Dealer:

Printed on chlorine-free paper.
SMB-RB10-EU10



FXNytro M-TX SE

Contents

■	THE YAMAHA ADVANTAGE	4
■	THE ART OF ENGINEERING	5
■	SPORT	
	FXNytro® R-TX™ SE	6
	FXNytro R-TX	8
	Phazer® R-TX	9
■	RACING	10
■	CROSSOVER	
	FXNytro X-TX™	12
	RX Warrior GT	14
■	MOUNTAIN	
	FXNytro M-TX™ SE 162	16
	RX-1 M-TX	18
	Phazer M-TX	19
■	GRAND TOURING	
	RSVenture® GT	20
	RSVenture TF	22
	Venture Lite	23
■	LIGHT UTILITY	
	Venture Multi Purpose	24
■	WIDE TRACK	
	RSViking Professional™	26
■	COLOUR OPTIONS	28
■	YAMAHA ENGINEERING	30
■	GENESIS™ RANGE	32
■	SUSPENSION OPTIONS	34
■	SPECIFICATIONS	36

感動
Kando

Kando is the philosophy that drives Yamaha. A Japanese word with no direct translation into English, Kando is the simultaneous rush of deep satisfaction and intense excitement you experience when encountering something of exceptional value. With cutting-edge technologies, exhilarating performance and supreme control, on a Yamaha snowmobile you'll experience Kando for yourself.

The Yamaha Advantage

With a Yamaha snowmobile you can expect award-winning performance, precision handling and comfort – no matter how hard you ride. You're also assured of something more: the unique design, engineering and manufacture promises the best fuel economy, low cost operation, and the lowest emissions with industry-leading reliability and famous ease of operation. Yamaha gives you advantages no other snowmobile brand can.

The Art of Engineering

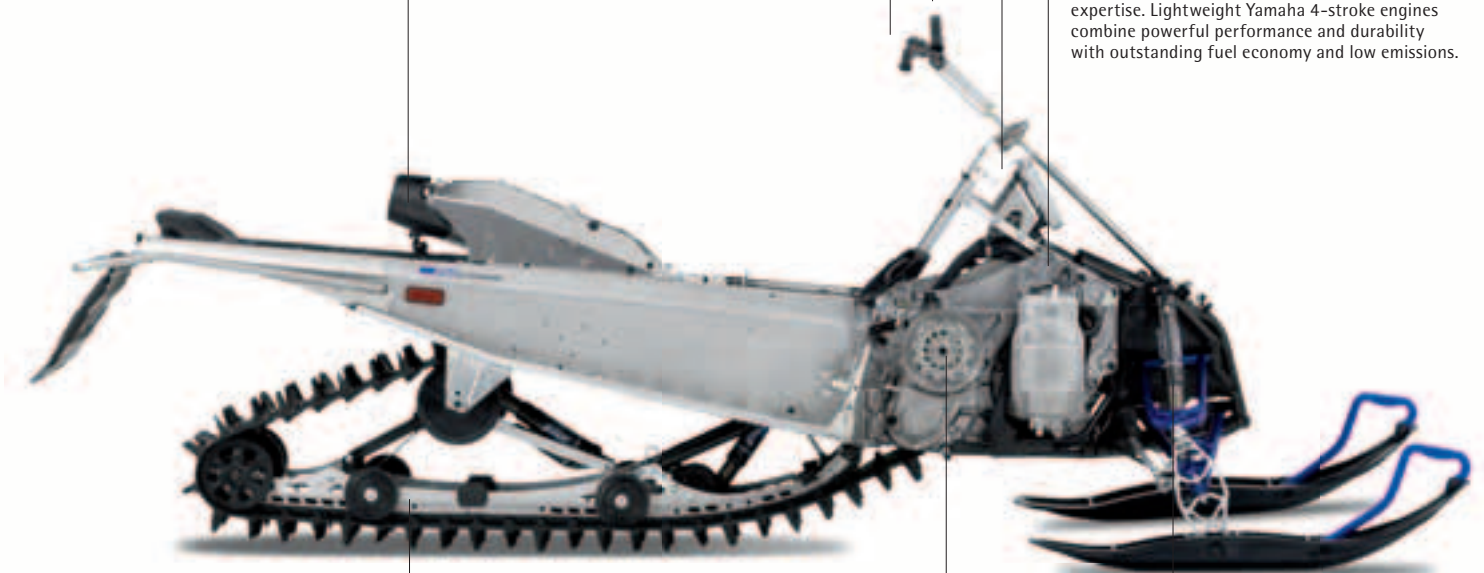
The patented **rear-exiting design** maximizes horsepower by using a straight **snow-cooled exhaust** pipe, improving performance, reducing under-hood heat and better distributing weight for excellent snowmobile balance.

Yamaha snowmobiles all feature **reverse gear** for easy manoeuvring, parking and off-loading.

The **digital information panel** features essential rider information and self diagnostic system.

Unlike competitors, **electric start** is standard on all of Yamaha's 4-stroke machines – no pull cords required, just turn the key and go.

The **Genesis** series of **4-stroke engines** are designed, engineered and made by Yamaha, drawing on over 50-years of engine-building research and expertise. Lightweight Yamaha 4-stroke engines combine powerful performance and durability with outstanding fuel economy and low emissions.



A range of **rear suspension** options have been specifically designed to meet riding and trail requirements. **Dual Shock™**, **ProMountain®**, and **ProComfort®** in lengths from traditional 3073mm (121-inch) right up to 4115mm (162-inch) provide exactly what you need for smooth flat cornering on groomed trails, big jumps on rough trail or powder floatation when you're exploring the back-country.

The **Yamaha CF technology** – a die casting process with controlled filled material injection – ensures a lightweight and rigid engine frame. Mounted between the high tensile steel front section and the aluminium tunnel, it creates the most advanced Hybrid chassis in the industry.

Front suspension comes from Yamaha's second generation independent double wish-bone geometry. **Yamaha piggyback clicker shocks** offer adjustable compression and rebound damping with piggyback reservoirs to increase fade resistance even during tough rides. Velocity sensitive **Fox® Float™** shocks on all R-TX models give forward suspension perfect anti-bottoming characteristics and faster, stiffer cornering.



1. Extrovert drive sprockets virtually eliminate track ratcheting
2. Fox Float-X air shocks
3. Hi-Lo speed compression adjustment



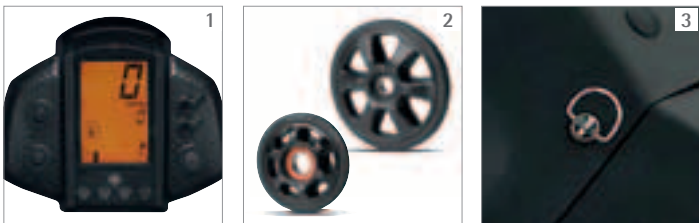
FXNytro R-TX SE

Race-ready. Trail-hungry.

With a powerful 4-stroke, 3-cylinder engine and race derived, trail calibrated Dual Shock Pro rear suspension, the FXNytro R-TX SE gives you unbeatable handling and bump bridging across rough trails. When you're burying the competition on the track or taking an aggressive line on the trail, second generation front geometry and adjustable Fox Float-X air shocks let you go hard and stay in control through the toughest terrain.

- 3-cylinder, 4-stroke Genesis 130FI engine
- Engine Braking Reduction System (E.B.R.S.)
- Over-the-engine steering configuration
- Fox Float-X front air shocks with adjustable compression and rebound damping
- Steep Snocross style tunnel design
- Dual Shock Pro 46 rear suspension
- Ø 46mm Yamaha piggyback clicker rear shocks
- Camoplast® Ripsaw™ track





1. Digital information panel with self diagnostic system
2. Open spoke style wheels with replaceable bearings
3. Quick release body panel fasteners

FXNytro R-TX

Tear up the rough-trail.

The FXNytro R-TX features the Genesis 130FI 4-stroke engine, for a ride that's track and trail friendly - with extra bite for when things get rough. Second generation front suspension geometry and Fox Float air shocks eliminate stutter and soak up the big bumps for stiffer, flatter, faster cornering. The Engine Braking Reduction System coasts the snowmobile when the throttle is released.

- 3-cylinder, 4-stroke Genesis 130FI engine
- Engine Braking Reduction System (E.B.R.S.)
- Fox Float front air shocks
- Dual Shock Pro rear suspension
- Ø 40mm remote clicker shock with 16mm piston rod on rear arm
- Big bump & anti-bottoming calibrated
- Camoplast Ripsaw track



1. Narrow YZ style seat
2. Lightweight Fox Float air shocks
3. Easy spring pre-load adjustment

PHAZER R-TX

4-stroke free-riding.

For pure rough trail fun, the Phazer R-TX is powered by the fuel-injected Genesis 80FI 4-stroke engine. Tuneable rear suspension absorbs the bumps while Fox Float air shocks at the front give excellent anti-bottoming performance. With features like hooked handlebars, the super lightweight Phazer R-TX has all the agility and handling control of the legendary YZ motorcross bike.

- 2-cylinder, 4-stroke Genesis 80FI engine
- Electric start and push button reverse
- Fox Float front shocks - easy to adjust
- Enclosed rear tunnel
- Dual Shock CK rear suspension
- Camoplast Ripsaw track
- Sporty rider-forward ergonomics

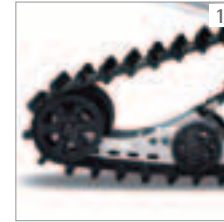


SNOWMOBILE 2010

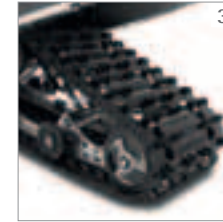
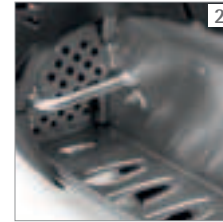
A group of snowmobilers racing on a snowy slope, kicking up a large cloud of snow. The lead rider is on a blue and white Yamaha snowmobile. Other riders in various colored gear are visible behind them, also on snowmobiles. The scene is dynamic and captures the intensity of the race.

I joined the Yamaha Factory Snocross Team, because the blue team are so focused on making the snowmobiles and the riders the best they can be. I believe this is just the beginning of what's to come from this team and these snowmobiles."

When I was asked if I'd like to come on board with Yamaha, I jumped on the opportunity right away. I knew Yamaha was a huge company with awesome technology. Once I started working with them on the race snowmobile, I saw how committed the whole company is to winning; and to designing the snowmobiles that make it possible."



1. All-round handling with 6° rail tip up
2. Aggressive boot grippers and large snow evacuation holes
3. Impressive Camoplast Ripsaw track

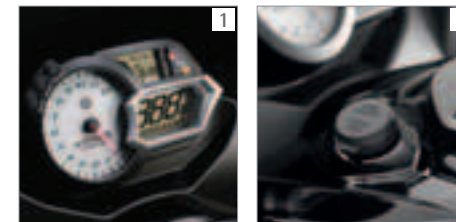


FXNytro X-TX

The ultimate crossover snowmobile – performance on or off the trail.
The FXNytro X-TX – a true snowmobiling revolution. The Dual Shock CK 144 with its aggressively tipped up rail is a masterstroke in suspension engineering. Capable of floating the snowmobile over deep powder, a 6-degree tip angle at the 3073mm (121-inch) mark also gives it exceptional handling on the trail. With the deceptive footprint of a short-track, it bridges bumps on the 3454mm (136-inch) mark and floats on powder at the full 3658mm (144-inch) mark.

- 3-cylinder, 4-stroke Genesis 130FI engine
- Engine Braking Reduction System (E.B.R.S.)
- Lightweight, race-inspired tunnel
- Steeper running boards (11°) for less contact in deeper snow conditions
- Dual Shock CK 144 rear suspension
- 6° tip up suspension rail for improved on and off trail handling
- Camoplast Ripsaw track





1. Suspension setting info available on display
2. Plug in your GPS or any other electric accessory

RX Warrior GT

Take the rough with the smooth.

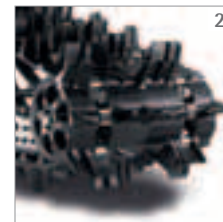
Easily tuneable Öhlins® Mono Shock® EC rear suspension and a monster 150FI engine give the RX Warrior GT the edge whether on the trail or carving fresh tracks. Adjustable on the fly, the push-button rear shock damping and dual-clicker front shocks with 12 clicks of compression and 20 clicks of rebound damping keep the moguls at bay, while you're boondocking through the back-country or going hard on the trails.

- 4-cylinder, 4-stroke Genesis 150FI engine
- Dual-clicker front shocks
- Öhlins Mono Shock EC 136 rear suspension
- On the fly adjustable rear suspension
- Camoplast Ripsaw track





1. Rear shocks with extra capacity
2. 4115mm (162-inch) Maverick track
3. Lightweight shallow approach rail



FXNytro M-TX SE 162

Accept no limits. Reach new heights

For extreme climbs, the wide power band of the new FXNytro M-TX SE 162 gives you everything you need to get on to the powder. Combining full Fox Float air shock technology with Yamaha's mountain skid engineering, the all new ProMountain Air 162 rear suspension ensures easy floatation and soft damping approach. Furthermore, weight reduction guarantees increased throttle response.

- 3-cylinder, 4-stroke Genesis 130FI engine
- Engine Braking Reduction System (E.B.R.S.)
- Fox Float air shocks upfront and Fox Float 2 air shocks at the rear
- FXNytro 2nd generation front suspension geometry
- Steeper running boards (11°) for less contact in deeper snow conditions
- ProMountain Air 162 rear suspension with dual angle
- 381 x 4115 x 57mm Camoplast® Maverick™ track
- Low track approach angle (18°) for easier floatation





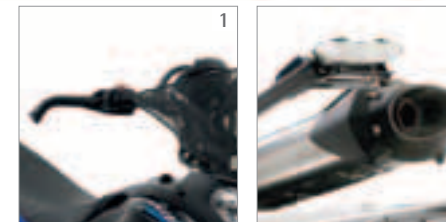
1. Professional mountain ergonomics
2. Specially designed mountain skis
3. Plug in your GPS or any other electric accessory

RX-1 M-TX

Go harder, go higher, just go.

Going hard up the mountains requires the effortless power and extra speed that the Genesis 150FI 4-stroke engine provides. This awesome powerplant is tucked in the lightweight Deltabox II chassis. The wide mountain skis and narrow ski stance ensures easy floatation and carving. The proven ProMountain suspension supports the impressive Maverick track all the way – to get you up that mountain... First.

- 4-cylinder, 4-stroke Genesis 150FI engine
- Deltabox II chassis
- H.P. aluminium gas shocks front and rear
- ProMountain 162 rear suspension
- 406 x 4115 x 57mm Camoplast Maverick track



1. Full mountain ergonomics
2. Phazer L.E.D. taillight

Phazer M-TX

Back-country perfection.

The upgraded lightweight Phazer M-TX combines a low-maintenance, fuel-injected Genesis 80FI 4-stroke engine with specially engineered, mountain use, Camoplast Maverick track to get you up and over the fresh powder. Agile rear suspension and tuneable shocks give you a smooth ride through the back-country and allow you to hone your hill skills in comfort.

- Genesis 80FI engine
- Electric start and push button reverse
- ProMountain CK 144 rear suspension
- H.P. gas front, centre and rear shocks
- Enclosed rear tunnel
- Camoplast Maverick track





1. Glove friendly shock adjustability
2. Fully adjustable backrest whether riding solo or duo
3. Fully loaded information panel with added features

RS Venture GT

Comfort, style and performance.

Luxurious riding is at the heart of the RS Venture GT's design. The passenger seat back includes an adjustable support that swings forward for solo rider comfort. The heated passenger grip is height adjustable, while onboard luggage space carries everything you need for touring in style. Lose your worries in the majesty of the winter scenery – a multi function information panel keeps track of fuel and oil so you can relax.

- 3-cylinder, 4-stroke, fuel-injected Genesis 120FI engine
- Engine Braking Reduction System (E.B.R.S.)
- Piggyback front shocks with adjustable compression and rebound damping
- Ø 40mm H.P. gas rear clicker shock with remote reservoir and adjustable compression damping
- Comfortable and proactive rider forward ergonomics
- Adjustable seat back angle for passenger or rider and adjustable passenger grip
- Multi function information panel with fuel trip and oil change indication
- Large luggage compartment
- DC output to power electric accessories





1. The flip-up tail enhances off trail capabilities
2. Full floatation with wide skis
3. Spacious inboard luggage compartment

RS Venture TF

Explore in luxury.

The RS Venture TF lends 2-up touring comfort to off trail riding. The flip-up tail smoothes out bumps even in the back-country, while an adjustable reclining seat back can be set for passengers or pulled forward to support the rider when travelling solo. Little details – such as the digital information gauge that tells you when you need to fill up or get an oil change – leave you free to enjoy a long adventure on or off the beaten track.

- 3-cylinder, 4-stroke, fuel-injected Genesis 120FI engine
- Engine Braking Reduction System (E.B.R.S.)
- H.P. gas aluminium front shocks
- ProComfort 151 rear suspension with flip-up tail
- Digital information gauge with added fuel trip and oil change indication
- Adjustable seat back angle for passenger or rider
- Adjustable passenger grip height
- Large luggage compartment
- DC output to power electric accessories



1. Adjustable backrest
2. Passenger controlled grip heating
3. Digital information panel with self diagnostic system

Venture Lite

Big trips. Big fun.

The Venture Lite is built for comfortable distance riding. When you're 2-up, your passenger benefits from sturdy footboards and fully temperature-adjustable heated hand grips and adjustable back rest. For extra luggage space when riding solo, the passenger seat is also removable. Adjust the rear suspension for 2-up riding or set it for the smoothest of solo runs.

- 2-cylinder, 4-stroke Genesis 80FI engine
- ProComfort 144 rear suspension
- Digital information panel
- Tall windshield
- Large seat with removable passenger seat
- Adjustable passenger back rest and grip heaters
- Large cargo rack
- Camoplast Ripsaw track





1. Extra large luggage space when riding solo
2. Semi wide track guarantees traction everywhere
3. Sturdy front bumper design



Venture Multi Purpose

Versatility meets reliability.

A massive rear deck and rack system makes the Venture Multi Purpose perfect for hauling loads across the snow. Ride 2-up or remove the passenger seat when you need extra space. The Venture Multi Purpose is ultra-reliable, performing equally well on hard pack and in powder, thanks to its 406mm semi wide track and wide floatation skis – indeed a true multi purpose.

- 2-cylinder, 4-stroke Genesis 80FI engine
- ProComfort 144 rear suspension
- 406mm semi wide Camoplast Ripsaw track
- Removable passenger seat
- Huge rear deck and cargo rack
- Tall windshield
- Wide VK-type skis





1. Wide track with flip-up tail
2. Large snow protected onboard storage
3. Increase ground clearance with Gull Wing shaped A-Arms

RSViking Professional

Expect the best.

The RSViking Professional is ideal for towing, hauling and all your winter utility needs. Built on a heavy-duty steel chassis the reliable and economical Genesis 120 engine, 508mm Camoplast Ripsaw tracks and ProAction suspension with flip-up tail get the job done in the toughest conditions. The super-sized windshield and plush seat keep you extra comfortable while your snowmobile is hard at work.

- 3-cylinder, 4-stroke Genesis 120 engine
- High and low gear + reverse
- Gull Wing A-Arms for more ground clearance
- ProAction Plus rear suspension with flip-up tail
- Wide Camoplast Ripsaw track
- Under-seat cargo space
- Extra large windshield and roomy seat
- Digital information panel
- Wide running boards
- Mountain strap



Colour Options

FXNytro R-TX SE
Yamaha Racing Blue



FXNytro R-TX
Orange/Black
Yamaha Blue/White
Yamaha Black (Bad Boy)



Phazer R-TX
Orange/Black



RX Warrior GT
Yamaha Black



FXNytro X-TX
Yamaha Black
White/Blue



RX-1 M-TX
White/Blue



FXNytro M-TX SE 162
Yamaha Black
Yamaha Blue/White



Phazer M-TX
Yamaha Black/Blue



RSVenture GT
Yamaha Black
Candy Red



RSVenture TF
Yamaha Black
Candy Red



Venture Lite
Topaz Blue
Candy Red

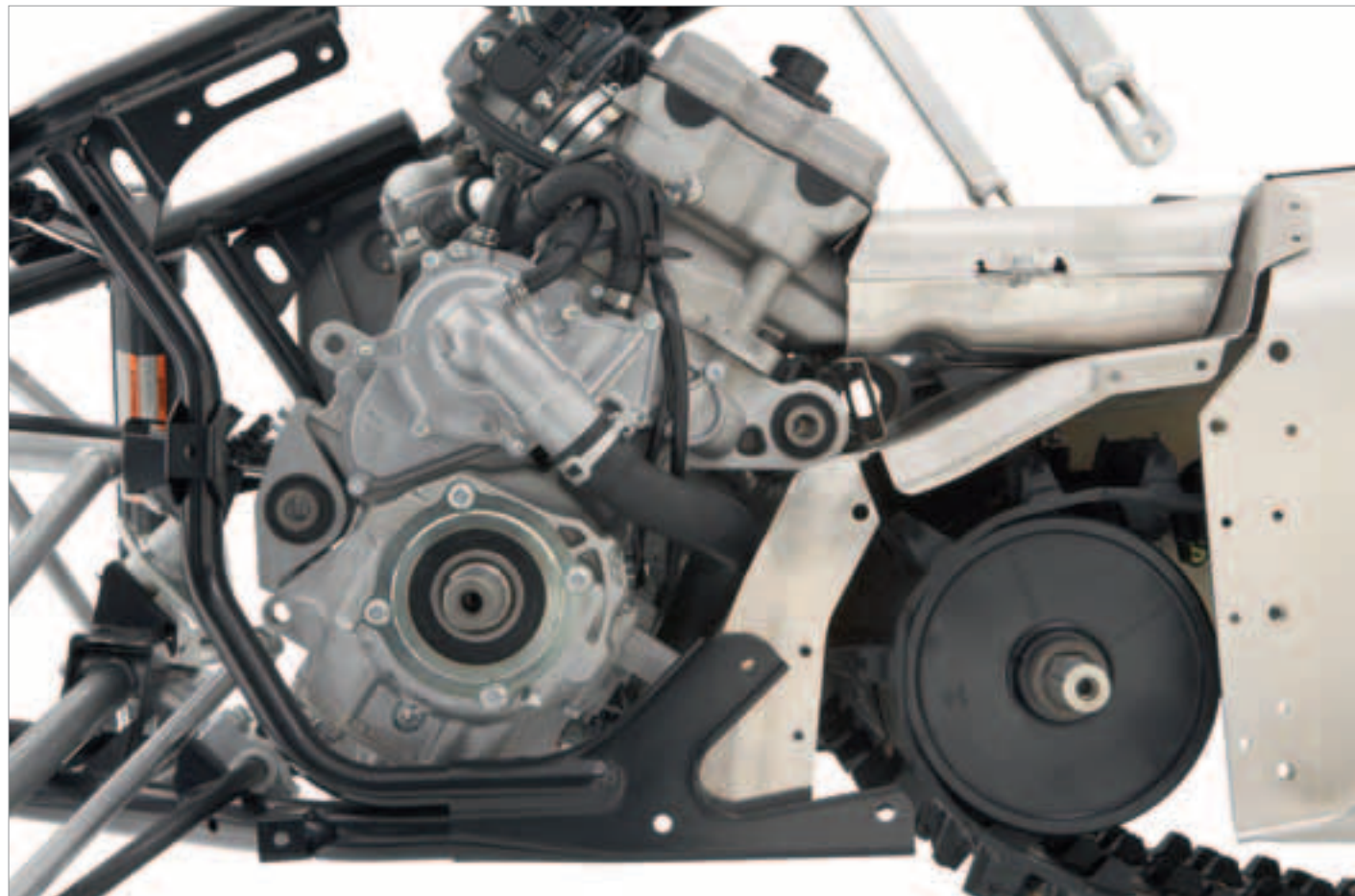


Venture Multi Purpose
Topaz Blue
Silver



RSViking Professional
Yamaha Black
Candy Red





Genesis 4-stroke Advantage

Choosing a 4-stroke engine over a 2-stroke gives you a number of tangible advantages. Unlike dirty, oil guzzling 2-strokes, the lubricant in a Genesis 4-stroke stays where it belongs: in the engine. No more clouds of smoke when you start up, no more smelly clothes, no expensive engine rebuilds, less environmental impact and no more wasting money at the tank. An annual oil change is all you'll need to get through the season. More reliable, longer-lasting, lower maintenance and with much lower emissions than a 2-stroke, a Genesis 4-stroke engine is the only choice for the serious snowmobiler.

Yamaha Advanced Engineering

Using high-tech combinations of advanced materials such as magnesium alloys, aluminium and titanium, Genesis engines generate incredible power and torque while remaining super lightweight and tenaciously durable. The patented, performance-enhancing, rear-exiting exhaust system runs straight down the tunnel; balancing the snowmobile for exceptional handling and is snow cooled to reduce under-the-hood heat.

- Industry-leading fuel injectors on top-of-the-line models deliver outrageously crisp throttle response.
- Yamaha's unique 5-valve cylinder head design in the Genesis 80FI and the Genesis 150FI engines allow for smaller and lighter valves, more aggressive valve timing and high velocity fuel mix flow for higher RPM and more grunt.
- Oversized pistons deliver bigger displacement and keep the stroke short, for higher RPM and snappier throttle response.
- Sharp camshaft tuning, advanced Fuel Injection systems and lighter valve trains put down hard pulling torque delivery at low and medium revs while keeping the horsepower up at higher RPMs.
- A distinctively smooth and deceptively quiet exhaust sound is unique to Yamaha's Genesis engines. It's a gloriously low growl that lets the world know that something inherently powerful and impressively engineered resides beneath the sleek exterior of your snowmobile.
- Use of advanced material engineering technologies, such as precision tooled magnesium alloy covers, help keep weight down for improved power to weight ratios.

Genesis engines are silky-smooth and start simply with the first key turn.

- Impressive throttle response
- Better fuel economy
- Engine Braking Reduction System (E.B.R.S.)
- Powerful and durable
- Lightweight
- Low emissions
- Turnkey reliability
- Long maintenance intervals
- Distinct exhaust sound



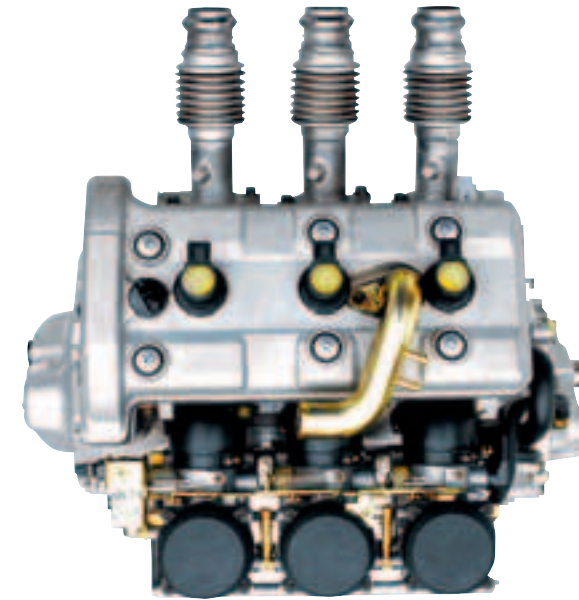
Genesis – Pure Engine Power



Designed, engineered and manufactured in-house, Genesis is Yamaha's range of gutsy 4-stroke snowmobile engines. With their second-to-none build quality and low emissions, Genesis engines are the most reliable and economical in the industry. Each model is specifically designed and purpose built to perform best where it will be used most: on the track, on or off the trail, out in the back-country and high in the mountains. No other engine is more in tune with rider requirements.

GENESIS 150FI

The 4-cylinder Genesis 150FI has a 5-valve head allowing higher velocity fuel mix flow for faster RPMs. Rated in the 150-horsepower class, this fuel-injected beast delivers monster power while remaining clean-running and fuel efficient. Adrenaline raising acceleration and a broad power curve makes it a great on or off trail engine.

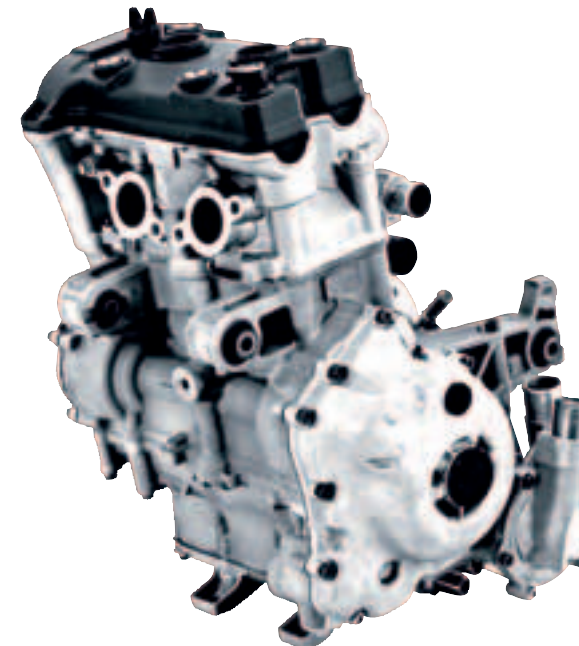


GENESIS 120FI

The low-revving, high-torque Genesis 120FI was designed for smooth touring with a sporty edge. The 3-cylinder, 1049cc, 4-stroke engine with Fuel Injection is powerful but economical on fuel consumption, making it perfect for long adventures on RSventure models. Improvements include a new stator that gives you over 500W output to power electrical devices and a new lightweight engine cover that keeps the overall weight down.

GENESIS 120

Winning the approval of even die-hard 2-stroke fans, the smooth, amazingly durable, and ultra reliable Genesis 120 was the industry's first 4-stroke, 3-cylinder engine. A broad power curve and excellent fuel economy makes it great for long distance touring as well as hardcore performance work.



GENESIS 80FI

Lightweight yet torquey for quick acceleration, the 5-valve cylinder head Genesis 80FI engine is reliable throughout the power band. No matter what the conditions the high tech Fuel Injection and digital ignition system keep the engine running at peak performance, by maintaining accurate fuel/air mixture. The counterbalanced, lightweight crankshaft helps yield snappy throttle response and smooth engine running.

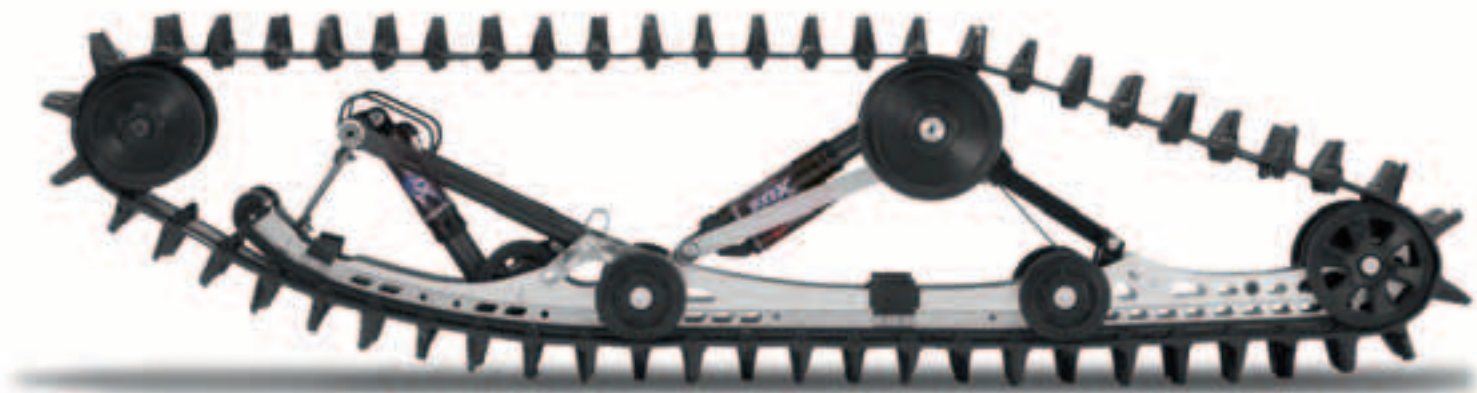
GENESIS 130FI

The Genesis 130FI high-torque engine is the secret to the FXNyro series' success. The fuel-injected, 3-cylinder engine was designed to Snocross competition specifications with no gear reduction and massive bottom end power. A lightweight crank combined with the motor management system delivers instant throttle response, while the Engine Braking Reduction System adds a 'gliding' sensation when the throttle is released.



Take Suspension to the Next Level

The needs of the rider are at the core of every Yamaha suspension design. Whether you're into rough-riding, smooth touring on groomed trails or diving through fresh powder, there are shocks and suspensions to suit you at the rear and upfront. Each snowmobile features an exacting configuration for riding style and terrain. Adjustable straps, dampers, springs and clicker shocks give you the control to tweak your suspension for the perfect ride.



DUAL SHOCK PRO 46

With reinforced arms and rails, the Dual Shock Pro 46 is the enhanced version of the Dual Shock Pro skid and is race-proven by our Factory Snocross team. You're guaranteed a high performance, rough trail suspension system that corners flat-out and handles the nastiest pits and biggest bumps a trail can throw at you. Ultra-adjustable, the Dual Shock Pro 46 suspension can be customised to exactly suit your riding style – besides the spring preload, you can adjust the compression and rebound damping on the massive 46mm diameter piggyback rear shock. The compression stroke is even 2-way adjustable for high and low speed and the remote reservoir of the centre shock keeps damping oil temperature under control.

DUAL SHOCK

The Dual Shock rear suspension configuration has proved its rough trail capability on the R-TX snowmobiles. Extended development led to the invention of the Dual Shock CK 144, as featured on the FXNytro X-TX. It creates the illusion of three separate rail footprints. Where a traditional 3073mm (121-inch) rear suspension ends, the new Dual Shock CK 144 is tipped up at a 6° angle for short track performance on hard pack. The rails handle bumps on rough trail like 3454mm (136-inch) suspension but when you hit the powder your 3658mm (144-inch) fully-coupled skid will float.



ÖHLINS MONO SHOCK EC

Adjustable on the fly, the Öhlins shock absorber is especially engineered to soak up the bumps and pits on a groomed trail for outstanding comfort that's required by the high-mileage rider. Damping is controlled electronically from a handlebar-mounted adjuster switch with a digital display to keep you in tune with your snowmobile.



PROMOUNTAIN

ProMountain is the choice of back-country explorers who like to play in deep powder. The low attack angle gets the snowmobile on the plane quickly to enjoy smooth floatation. The latest development is the ProMountain Air skid featuring a Fox Float 2 centre shock and a Fox Float 2XV rear shock with an additional air cylinder. The air suspension eliminates the need for steel springs with the benefit of significant weight reduction. The result is a sensitive, easy tuneable rear suspension with excellent anti-bottoming characteristics.



PROCOMFORT

Perfect rear suspension for passenger snowmobiles, the design incorporates excellent ride comfort and consistent anti-bottoming for one rider or two. The top-of-the-line skids from the ProComfort series is used under the class leading RSVenture models. A new clicker shock on the rear arm simplifies compression damping adjustments. The RSVenture TF version features a flip-up tail making off trail manoeuvres easier.



YAMAHA PIGGYBACK CLICKER SHOCKS



Front shocks with 12 clicks of high and low speed compression and 20 clicks of rebound damping give great support upfront and are easily adjustable from large glove-friendly knobs. Piggyback reservoirs increase the fade resistance even when you're going hard.



FOX FLOAT-X AIR

Fox Float-X air shocks were jointly developed by Fox and Yamaha for the FXNytro R-TX SE models. Including a piggyback with clicker adjustable rebound damping compression, for gravity-defining anti-bottoming performance, these shocks will get you race ready.

	 FXNytro R-TX SE	 FXNytro R-TX	 Phazer R-TX	 RX Warrior GT	 FXNytro X-TX	 RX-1 M-TX	 FXNytro M-TX SE 162
ENGINE							
Type	4-Stroke, 3 cyl., liquid cooled	4-Stroke, 3 cyl., liquid cooled	4-Stroke, 2 cyl., liquid cooled	4-Stroke, 4 cyl., liquid cooled	4-Stroke, 3 cyl., liquid cooled	4-Stroke, 4 cyl., liquid cooled	4-Stroke, 3 cyl., liquid cooled
Displacement	1049cc	1049cc	499cc	998cc	1049cc	998cc	1049cc
Bore x stroke (mm)	82.0 x 66.2	82.0 x 66.2	77.0 x 53.6	74.0 x 58.0	82.0 x 66.2	74.0 x 58.0	82.0 x 66.2
Carburation	41mm MIKUNI x 3, fuel injection, liquid heated	41mm MIKUNI x 3, fuel injection, liquid heated	43mm KEIHIN x 2, fuel injection, liquid heated	39mm MIKUNI x 4, fuel injection, liquid heated	41mm MIKUNI x 3, fuel injection, liquid heated	39mm MIKUNI x 4, fuel injection, liquid heated	41mm MIKUNI x 3, fuel injection, liquid heated
Clutch type / Transmission system	YVXC, variable ratio, magnesium cover, reverse	YVXC, variable ratio, magnesium cover, reverse	YXRC, variable ratio, electronic shift reverse	YVXC, variable ratio, magnesium chaincase & cover, reverse	YVXC, variable ratio, magnesium cover, reverse	YVXC, variable ratio, magnesium chaincase & cover, reverse	YVXC, variable ratio, magnesium cover, reverse
Ignition system	Digital T.C.I. w/T.P.S.	Digital T.C.I. w/T.P.S.	Digital T.C.I. w/T.P.S.	Digital T.C.I. w/T.P.S.	Digital T.C.I. w/T.P.S.	Digital T.C.I. w/T.P.S.	Digital T.C.I. w/T.P.S.
Intake design	2 Valves	2 Valves	3 Valves	3 Valves	2 Valves	3 Valves	2 Valves
Exhaust design	2 Valves, rear exhaust	2 Valves, rear exhaust	2 Valves, rear exhaust	2 Valves, rear exhaust (Ti)	2 Valves, rear exhaust	2 Valves, rear exhaust (Ti)	2 Valves, rear exhaust
Electric start	Standard	Standard	Standard	Standard	Standard	Standard	Standard
Disc brake system	Hydraulic, 4 piston alum. caliper, Ø 200mm lightweight ventilated disc, mechanical parking brake, adj. lever	Hydraulic, 4 piston alum. caliper, Ø 200mm lightweight ventilated disc, mechanical parking brake, adj. lever	Hydraulic, 2 piston alum. caliper, Ø 200mm lightweight ventilated disc, mechanical parking brake	Hydraulic, 4 piston alum. caliper, Ø 200mm lightweight ventilated disc, mechanical parking brake, adj. lever	Hydraulic, 4 piston alum. caliper, Ø 200mm lightweight ventilated disc, mechanical parking brake, adj. lever	Hydraulic, 4 piston alum. caliper, Ø 200mm lightweight ventilated disc, mechanical parking brake, adj. lever	Hydraulic, 4 piston alum. caliper, Ø 200mm lightweight ventilated disc, mechanical parking brake, adj. lever
CHASSIS							
Front suspension	Independent, double wishbone, link stabilizer bar	Independent, double wishbone, link stabilizer bar	Independent, double wishbone, link stabilizer bar	Independent, double wishbone, link stabilizer bar	Independent, double wishbone, link stabilizer bar	Independent, double wishbone, link stabilizer bar	Independent, double wishbone, link stabilizer bar
Front shocks	Fox Float-X, air shock, alum., piggyback clicker, compression & rebound damping adj.	Fox Float, air shock, alum.	Fox Float, air shock, alum.	Ø 40mm, alum., H.P. gas, piggyback clicker, compression & rebound damping adj.	Ø 40mm, alum., H.P. gas, 14mm rod, piggyback clicker, compression & rebound damping adj.	Ø 40mm, alum., H. P. gas	Fox Float 2, air shock, alum.
Front travel (mm)	216	216	236	229	216	178	216
Rear suspension	Dual Shock Pro 46	Dual Shock Pro	Dual Shock CK	Öhlins Mono Shock II EC	Dual Shock CK 144 with Tip Up rails	ProMountain 162	ProMountain Air 162 w/dual angle
Rear shock(s)	Ø 40mm, alum., H.P. gas, Ø 16mm rod, reserve tank, clicker, compression & rebound damping adj. / Ø 46mm, alum., H.P. gas, Ø 16mm rod, piggyback clicker, compression Hi and Low speed & rebound damping adj.	Ø 40mm, alum., H.P. gas, Ø 16mm rod, reserve tank, clicker, compression & rebound damping adj. / Ø 40mm, alum., H.P. gas, Ø 16mm rod, piggyback clicker, compression & rebound damping adj.	Ø 36mm alum. H.P. gas / Ø 40mm alum. H.P. gas piggyback compression clicker	Ø 46mm, Öhlins, alum., H.P. gas, piggyback with electronic compression & dial rebound damping force adj.	Ø 40mm, alum., H.P. gas, 12.5mm rod / Ø 40mm, alum., H.P. gas, 12.5mm rod, piggyback clicker, compression damping adj.	Ø 36mm, alum., H.P. gas / Ø 36mm, alum., H.P. gas	Fox Float 2, air shock, alum. / Fox Float 2 - extra volume, air shock, alum.
Rear travel (mm)	368	368	412	297	368	356	381
DIMENSIONS							
Overall length (mm)	2805	2805	2820	3015	3075	3335	3340
Overall width (mm)	1180	1180	1215	1275	1230	1165	1210
Overall height (mm)	1140	1140	1190	1160	1160	1185	1195
Fuel capacity (litres)	28.0	28.0	26.7	38.3	28.0	38.3	28.0
Track (w x l x h) (mm)	381 x 3072 x 32	381 x 3072 x 32	356 x 3072 x 25	381 x 3454 x 32	381 x 3657 x 32	406 x 4115 x 57	381 x 4115 x 57
Track type	Camoplast Ripsaw	Camoplast Ripsaw	Camoplast Ripsaw	Camoplast Ripsaw	Camoplast Ripsaw	Camoplast Maverick	Camoplast Maverick
Ski stance (centre to centre) (mm)	1050	1050	1085	1085	1050	955 - 1006 adjustable	1034
ADDITIONAL FEATURES							
Hand & thumb warmers	Standard, 9 position adj., selectable left side control	Standard, 9 position adj., selectable left side control	Standard, 9 position adj., selectable left side control	Standard, 9 position adj., selectable left side control	Standard, 9 position adj., selectable left side control	Standard, 9 position adj., selectable left side control	Standard, 9 position adj., selectable left side control
Headlight watts, type	60/55W halogen x 2	60/55W halogen x 2	60/55W halogen x 2	60/55W halogen x 2	60/55W halogen x 2	60/55W halogen x 2	60/55W halogen x 2
DC output	Optional	Optional	Optional	Standard	Optional	Standard	Standard

	 Phazer M-TX	 RSVenture GT	 RSVenture TF	 Venture Lite	 Venture Multi Purpose	 RSViking Professional
ENGINE						
Type	4-Stroke, 2 cyl., liquid cooled	4-Stroke, 3 cyl., liquid cooled	4-Stroke, 3 cyl., liquid cooled	4-Stroke, 2 cyl., liquid cooled	4-Stroke, 2 cyl., liquid cooled	4-Stroke, 3 cyl., liquid cooled
Displacement	499cc	1049cc	1049cc	499cc	499cc	973cc
Bore x stroke (mm)	77.0 x 53.6	82.0 x 66.2	82.0 x 66.2	77.0 x 53.6	77.0 x 53.6	79.0 x 66.2
Carburation	43mm KEIHIN x 2, fuel injection, liquid heated	41mm MIKUNI x 3, fuel injection, liquid heated	41mm MIKUNI x 3, fuel injection, liquid heated	43mm KEIHIN x 2, fuel injection, liquid heated	43mm KEIHIN x 2, fuel injection, liquid heated	40mm KEIHIN x 3, liquid heated
Clutch type / Transmission system	YXRC, variable ratio, electronic shift reverse	YVXC, variable ratio, magnesium chaincase & cover, reverse	YVXC, variable ratio, magnesium chaincase & cover, reverse	YXRC, variable ratio, electronic shift reverse	YXRC, variable ratio, electronic shift reverse	YVXC, variable ratio, high / low / reverse transmission
Ignition system	Digital T.C.I. w/T.P.S.	Digital T.C.I. w/T.P.S.	Digital T.C.I. w/T.P.S.	Digital T.C.I. w/T.P.S.	Digital T.C.I. w/T.P.S.	Digital T.C.I. w/T.P.S.
Intake design	3 Valves	2 Valves	2 Valves	3 Valves	3 Valves	2 Valves
Exhaust design	2 Valves, rear exhaust	2 Valves, rear exhaust	2 Valves, rear exhaust	2 Valves, rear exhaust	2 Valves, rear exhaust	2 Valves, rear exhaust
Electric start	Standard	Standard	Standard	Standard	Standard	Standard
Disc brake system	Hydraulic, 2 piston alum. caliper, Ø 200mm lightweight ventilated disc, mechanical parking brake	Hydraulic, 2 piston alum. caliper, Ø 220mm ventilated disc, mechanical parking brake	Hydraulic, 2 piston alum. caliper, Ø 220mm ventilated disc, mechanical parking brake	Hydraulic, 2 piston alum. caliper, Ø 200mm lightweight ventilated disc, mechanical parking brake	Hydraulic, 2 piston alum. caliper, Ø 200mm lightweight ventilated disc, mechanical parking brake	Hydraulic, 4 piston alum. caliper, Ø 200mm lightweight ventilated disc, mechanical parking brake
CHASSIS						
Front suspension	Independent, double wishbone, link stabilizer bar	Independent, double wishbone, link stabilizer bar	Independent, double wishbone, link stabilizer bar	Independent, double wishbone, link stabilizer bar	Independent, double wishbone, link stabilizer bar	Independent, double wishbone
Front shocks	Ø 36mm, alum., H.P. gas	Ø 40mm, alum., H.P. gas, piggyback clicker, compression & rebound damping adj.	Ø 36mm, alum., H.P. gas	Ø 36mm, alum., H.P. gas	Ø 36mm, alum., H.P. gas	Hydraulic, gas cell
Front travel (mm)	221	229	229	224	224	170
Rear suspension	ProMountain 144	ProComfort CK 144	ProComfort 151 w/flip	ProComfort 144	ProComfort 144	ProAction Plus w/quick-adjust, flip up rail
Rear shock(s)	Ø 36mm, alum., H.P. gas / Ø 36mm, alum., H.P. gas	Alum. H.P. gas / Ø 40mm, alum. H.P. gas, piggyback compression clicker	Ø 36mm, alum., H.P. gas / alum., H.P. gas	Ø 36mm, alum., H.P. gas / Ø 36mm, alum., H.P. gas	Ø 36mm alum. H.P. gas / Ø 36mm alum. H.P. gas	H.P. gas / H.P. gas
Rear travel (mm)	363	315	351	312	312	292
DIMENSIONS						
Overall length (mm)	3195	3210	3210	3160	3160	3270
Overall width (mm)	1165	1275	1275	1265	1265	1200
Overall height (mm)	1190	1380	1380	1380	1380	1380
Fuel capacity (litres)	26.7	38.3	38.3	36.0	36.0	40.0
Track (w x l x h) (mm)	356 x 3657 x 51	381 x 3657 x 32	381 x 3835 x 32	381 x 3657 x 32	406 x 3657 x 32	508 x 3968 x 32
Track type	Camoplast Maverick	Camoplast Ripsaw	Camoplast Ripsaw	Camoplast Ripsaw	Camoplast Ripsaw	Camoplast Ripsaw
Ski stance (centre to centre) (mm)	955 - 1006 adjustable	1085	1085	1080	1080	1085
ADDITIONAL FEATURES						
Hand & thumb warmers	Standard, 9 position adj., selectable left side control	Standard, 9 position adj., separate / adj. passenger grip heating standard	Standard, 9 position adj., separate / adj. passenger grip heating standard	Standard, 9 position adj., selectable left side control / adj. passenger grip heating standard	Standard, 9 position adj., selectable left side control / adj. passenger grip heating optional	Standard, 9 position adj., separate / adj. passenger grip heating standard
Headlight watts, type	60/55W halogen x 2	60/55W halogen x 2	60/55W halogen x 2	60/55W halogen x 2	60/55W halogen x 2	60/55W halogen x 2
DC output	Optional	Standard	Standard	Standard	Standard	Standard

Snowmobiles are built to operate within their design limits. For durability, reliability, but most important of all, operator safety, under no circumstances should the recommended capacities identified in the owner's manual be exceeded. Consult your snowmobile dealer when selecting a snowmobile for your particular needs. Always wear the appropriate protective clothing and apparel, including a helmet. Always ride responsibly and within your limitations, respecting the environment as well as country and local laws. The riders in this brochure are professionals: don't attempt to emulate them.

The specifications, measurements and appearance of Yamaha products will be varied from time to time without notice, and as shown here are illustrative only and are not a contractual description of products. Some models are shown with optional accessories. Not all models/colours shown are sold in every country. See your dealer for details.

This document contains many of the valuable trademarks and service marks owned and used by Yamaha throughout the world. These company, brand and product names are used herein for identification purposed only, and references to any names, marks, products or services of third parties do not constitute or imply endorsement, sponsorship or recommendation of the third party of the products or services.