There are few joys in life equal to the free-spirited thrill and experience of motorcycling. And that’s why it’s important for all of us to be our part as responsible riders. By following logical, commonsense rules, we can maintain season after season of unparalleled enjoyment of our sport. Always remember to review your Yamaha Owner’s Manual and Tips Booklet before you ride. Before each ride, take time to check all your equipment. Always wear an approved helmet, eye protection, long-sleeved shirt, long pants, gloves and boots. And always be sure your bike is in first-class condition before riding. Never ride an off-road motorcycle on paved surfaces or public roads, even empty parking lots and avoid areas where local laws and regulations may apply. Respect other people and the environment by keeping off private property and leaving nature as it was when you first came in contact with it. And always be respectful of the rules of the road. Never drink and ride. It is illegal and dangerous. Yamaha and the Motorcycle Safety Foundation encourage you to ride safely and respect the environment. For further information regarding the MSF course, please call 1-800-446-9227. The riders used during photography of this brochure are highly skilled, very talented professional racers. All of the action was shot on a closed course, and is not intended to be duplicated in any way. Yamaha reserves the right to change specifications without notice. Consult with your dealer before making any purchase. Specifications and measurements are approximate and may vary. For use on dirt and mud roads only. Read the owner’s manual before riding in a closed course. Yamaha reserves the right to change specifications without notice. More information can be found on Yamaha-Motor.com. To find the nearest Yamaha dealer, call 1-800-88-YAMAHA.
OTHER BIKES, PLEASE MOVE TO THE REAR.

The revolutionary YZ450F is the first and only production bike ever built around a straight-intake, rear-slanted engine and aluminum bilateral beam frame for the most compacted center of mass over a bike frame. Plus, the 6-titanium valve cylinder head is matched to a newly optimized fuel injection system that provides superior low- to mid-rpm power feeling. The result: instant throttle response, unprecedented balance and incredible cornering performance, coupled with the best stock suspension in the industry and legendary Yamaha durability. Note to the MX world: If you’re not ready for the future, prepare to be passed.

BILATERAL BEAM ALUMINUM FRAME: Bilateral rigidity converts lateral impacts into longitudinal forces, which are easily absorbed by the suspension—so you’re quick into the corners and even quicker coming out.

REARWARD-SLANTED ENGINE: Concentrates the engine’s mass much closer to the bike’s center of gravity, minimizing weight transfer and offering a straight intake tract for superb combustion efficiency that delivers more power.

TORNADO PIPE: Revolutionarily engine.

4-VALVE CYLINDER HEAD: The 4-titanium valve cylinder head is matched to a newly recalibrated fuel injection system that provides superior low- to mid-rpm power feeling. Instantly adapts to changing air/fuel mixtures depending on altitude and temperature, for an engine that delivers no matter what conditions.

BATTERYLASS FUEL INJECTION SYSTEM: The YZ450F was engineered around its fuel injection system: Moving the intake to the front of the bike makes the straight intake not just possible but amazingly effective.

GYTR® POWER TUNER: Allows you to quickly adjust the fuel and ignition maps to suit riding conditions and rider preference. Makes it easy to program adjustment points for both the fuel and ignition maps.

Further aids handling by allowing the fuel load to be carried lower and more rearward.

Torsional rigidity converts lateral impacts into longitudinal forces, which are easily absorbed by the suspension—so you’re quick into the corners and even quicker coming out.

REARWARD-SLANTED ENGINE: Concentrates the engine’s mass much closer to the bike’s center of gravity, enabling lightweight handling, quicker direction changes and a straight intake tract for superb combustion efficiency that delivers more power.

4-VALVE CYLINDER HEAD: The 4-titanium valve cylinder head is matched to a newly optimized fuel injection system that provides superb low- to mid-rpm power feeling. Instantly adapts to changing air/fuel mixtures depending on altitude and temperature, for an engine that delivers no matter what conditions.

BATTERYLASS FUEL INJECTION SYSTEM: The YZ450F was engineered around its fuel injection system: Moving the intake to the front of the bike makes the straight intake not just possible but amazingly effective.

GYTR® POWER TUNER: Allows you to quickly adjust the fuel and ignition maps to suit riding conditions and rider preference. Makes it easy to program adjustment points for both the fuel and ignition maps.

>> REARWARD-SLANTED ENGINE >> FUEL INJECTION >> ALUMINUM DOUBLE “S” FRAME

TO LEARN MORE ABOUT THE YZ450F, GO TO YAMAHA-MOTOR.COM
The 2013 YZ®250F features a long list of top-tier features. We started with a refined, optimized engine that pumps out power in the 8,000 to 12,000 rpm range; gave it a Bilateral Beam frame with revised rigidity balance for superior cornering performance and stability on rough, high-speed straights; added a KYB® suspension for superior handling, then threw in a host of other goodies like beefy outer fork tubes and triple clamps for the most powerful, best cornering, lightest weight in its class, most durable and intuitive YZ250F ever.

The tank, seat and rear fender are flat, and the relationship between handlebars, pegs and seat result in a natural forward-riding position that facilitates rider movement.

High lateral and torsional rigidity provides added cornering stability and more cornering speed.

**THE MOST POWERFUL, BEST HANDLING YZ250F EVER.**

Designed to be the best cornering performance motocross bike ever, the 2013 YZ250F features a long list of top-tier features. The motor was tuned for mid- to top-end power, including a large 39mm carburetor, optimized CDI and light piston with a light piston pin. These changes, plus new cylinder and head designs, mean the YZ250F has more power as well as exceptional throttle response in the mid- to high-speed range.

**THE TANK, SEAT AND REAR FENDER.**

The tank, seat and rear fender are flat, and the relationship between handlebars, pegs and seat result in a natural forward-riding position that facilitates rider movement.
GO ON A PREMIX POWER TRIP.

Rumors of the two-stroke’s demise have been greatly exaggerated. In fact, some race organizations allow 250cc two-strokes to compete against four-strokes in amateur competitions, so there is no doubt we’ll get to hear that sweet sound at the track. Good thing the 2013 YZ250, YZ125 and YZ85 are more prepared than ever with their superior chassis designs, explosively powerful engines and awesome lightweight handling. We’re there for you, ahead of the pack, two stroke or four.

SERIOUS POWER:
YZ250 and YZ125’s patented YPVS™ power-valve systems broaden and smooth power delivery: You get immediate off-idle response, smooth midrange and strong top-end power with plenty of over-rev.

ADVANCED SUSPENSION:
State-of-the-art KYB Speed-Sensitive System forks on YZ250 and YZ125 assure as good as production limit suspension gets and provide stellar suspension action.

TOPLINE COMPONENTS THROUGHOUT:
YZ250 and YZ125 roll with aluminum frames, tapered oversize handlebars, wave-type disc brake rotors—ready to rip on or off the track.

MINI OF CHOICE:
The YZ85 is world renowned as the most serious mini-missile out there: an aggressive, quick-turning 157-pound machine packing a hard-hitting, take-no-prisoners powerplant.

LOW-WEIGHT, RACE-READY, LOW-COST MAINTENANCE

Rear, fully adjustable KYB® shock features reduced-friction Kashima coating of internal parts.

Ready to rip from idle to redline and inexpensive to maintain, the YZ two strokes are not going anywhere—except to the top of the podium.

LIGHT WEIGHT

Rear, fully adjustable KYB® shock.

Light and tough rear wave-style brake rotors, front and rear, provide reliable and powerful braking up front.

TO LEARN MORE ABOUT THE YZ FAMILY, GO TO YAMAHA-MOTOR.COM
WR450F

2012
WR450F

>> FUEL INJECTION >> YZ-SPEC ALUMINUM FRAME >> LATEST YZ-SPEC SUSPENSION

mX-INSPIRED CHASSIS: Say hello to an off-road bike that thinks like a motocross bike. Incorporating award-winning Yamaha race technology, the nimble WR450F boasts a compact 250cc chassis for lightweight handling through the tightest woods.

PLUSH SUSPENSION: Serious riders need the latest and greatest suspension. That's why the 2012 WR450F comes with the same fork and shock as the YZ250F (valved and sprung for off-road use, of course).

FUEL-INJECTED POWER: Expect quicker throttle response and smoother power delivery at almost any altitude and weather condition.

ELECTRIC START: Just push the button and go. You also get a full-function digital enduro race computer, an adjustable ProTaper® handlebar (2012 model only), a bright headlight and an LED taillight out back.

STYLE AND SUBSTANCE: A sleek, redesigned body with new headlight design makes this year’s model leaner and meaner. It’s slimmer so you can conquer the narrowest trails—and look good doing it.

QUIETLY CAPABLE: A quiet and light exhaust keeps everybody happy, and the WRs are green sticker approved.

OFF-ROAD READY: Toolless access air box, Excel rims, 18-inch rear wheel, ProTaper handlebars, wave-type brake rotors, electric start, on-the-fly clutch adjuster, ski plate, enduro race computer, o-ring chain and aluminum sidestand.

There are lots of nice things about the WR450F. But perhaps the coolest is that it uses a light, compact, YZ250F-based chassis but gets all the serious power of a highly potent, fuel-injected 450 engine. And that’s just the beginning. Designed to perform on the tight trails and in the highest altitudes, the fuel injection system delivers smooth power and lightning-fast throttle response. Inspired by Yamaha MX race technology, right down to its agile chassis and cushy 2250F®-based suspension, it doesn’t just pound the trails—it pummels the competition.

Professional rider depicted on a closed course.
Sweet LED taillight maximizes visibility and draws less current.

The WR®250F is much more than the WR450F’s quick little brother. A wet weight of just 254 pounds and a highly tractable 250cc titanium-valve engine make it just the tool for tight trails. And with a race-ready digital enduro computer for race time keeping, as well as a speedometer, clock and tripmeter, you’ve got bells and whistles to spare.

Once you’ve started a bike with a push-button electric start you’ll never go back to kick start again.

Wave-type discs reduce unsprung, spinning weight, as do the aluminum pistons inside the brake calipers.

A broad powerband and rock-solid-reliable engine with five titanium valves will get you nearly anywhere in a hurry, with plenty of energy in reserve for the ride back.

Just push the button and go. You also get a full-function digital enduro race computer, an adjustable tapered handlebar, a light headlight and an LED taillight out back.

Narrow, light and carefully balanced to turn a dime and run arrow straight in top gear.

An adjustable suspension serves up a plush ride, underlined by plush travel at both ends and 14.4 inches of ground clearance. Wave-type brake rotors bring you quickly to a halt.

A quiet and light exhaust keeps everybody happy, and the WRs are California green sticker approved.

Toolless access air box, Excel rims, 18-inch rear wheel, tapered handlebars, wave-type brake rotors and electric start, on-the-fly clutch adjuster, skid plate, enduro race computer, o-ring chain and aluminum sidestand.

For more information and to see a professional rider depicted on a closed course, go to yamaha-motor.com.
## Chassis Dimensions

<table>
<thead>
<tr>
<th>Engine Type</th>
<th>Compression Ratio</th>
<th>Overall Dimensions (L x W x H)</th>
<th>Seating Height</th>
<th>Ground Clearance</th>
<th>Wheelbase</th>
<th>Tires/Front</th>
<th>Tires/Back</th>
<th>Engine Type</th>
</tr>
</thead>
<tbody>
<tr>
<td>250cc Liquid-Cooled 4-Stroke</td>
<td>12.5:1</td>
<td>85.7 x 32.6 x 51.4 in</td>
<td>39.3 in</td>
<td>58.3 in</td>
<td>56.8 in</td>
<td>100/100-18-59M</td>
<td>12.4-in travel</td>
<td>250cc Liquid-Cooled 4-Stroke</td>
</tr>
<tr>
<td>249cc Liquid-Cooled 4-Stroke</td>
<td>13.5:1</td>
<td>85.0 x 32.4 x 50.2 in</td>
<td>39.1 in</td>
<td>58.1 in</td>
<td>56.8 in</td>
<td>80/100-21-51M</td>
<td>12.4-in travel</td>
<td>249cc Liquid-Cooled 4-Stroke</td>
</tr>
<tr>
<td>85cc Liquid-Cooled 2-Stroke</td>
<td>8.2:1</td>
<td>58.1 x 32.6 x 51.8 in</td>
<td></td>
<td></td>
<td></td>
<td>70/100-17</td>
<td></td>
<td>85cc Liquid-Cooled 2-Stroke</td>
</tr>
<tr>
<td>WR®250F</td>
<td>12.5:1</td>
<td>84.1 x 32.6 x 51.8 in</td>
<td></td>
<td></td>
<td></td>
<td>110/90-19</td>
<td></td>
<td>WR®250F</td>
</tr>
<tr>
<td>WR®450F</td>
<td>12.5:1</td>
<td>85.2 x 32.5 x 51.2 in</td>
<td></td>
<td></td>
<td></td>
<td>110/90-19</td>
<td></td>
<td>WR®450F</td>
</tr>
<tr>
<td>WR®450FYZ®</td>
<td>12.5:1</td>
<td>85.0 x 32.4 x 50.2 in</td>
<td></td>
<td></td>
<td></td>
<td>110/90-19</td>
<td></td>
<td>WR®450FYZ®</td>
</tr>
</tbody>
</table>

## Inverters/Generators

Whatever you're up to getting in the outdoors, we've got the power equipment you need to make sure it all keeps humming along as planned. More than 50 years of building the highest-quality machines from the highest-quality materials means Yamaha products are designed to outlast and outperform under the toughest conditions.

**Ef2400i SHC Inverter**: Powerful, portable and retro cool, it delivers maximum output with minimized effort. Weighing a mere 44 compact pounds, it features a convenient parallel function, allowing you to connect two generators to deliver up to 30 maximum amps.

**Ef2400i S Inverter**: The EF2400iS Inverter generates the highest output in its class from compact, fuel-efficient power that weights only 55 pounds. Enough juice to power up to 1,150 watts, this model packs a punch with Yamaha® inverter technology and Smart Throttle, which automatically scales engine speed based on load.

**Ef2000i SHC Inverter**: The EF2000iSHC Inverter produces the highest output in its class from compact, fuel-efficient power that weighs only 44 compact pounds. Enough juice to power up to 1,500 watts, this model packs a punch with Yamaha® inverter technology and Smart Throttle, which automatically scales engine speed based on load.

**Ef2000i S Inverter**: The EF2000iS Inverter generates the highest output in its class from compact, fuel-efficient power that weighs only 44 compact pounds. Enough juice to power up to 1,500 watts, this model packs a punch with Yamaha® inverter technology and Smart Throttle, which automatically scales engine speed based on load.

**Ef3000iSEb Inverter**: One of the world's most technologically advanced inverter generators, the EF3000iSEB Inverter offers lots of clean, quiet power in a value-packed unit. It features Pulse Width Modulation technology and Smart Throttle, which automatically scales engine speed based on load.
This easy plug-in fuel injection and ignition-tuning tool allows riders to quickly adjust the fuel and ignition maps to suit riding conditions and rider preference.

Enhances and refines exhaust pressure. Its patented core shape lowers sound level while maintaining maximum power output, and the patented canister shape increases internal volume for more sound-absorbing material.

What sets Genuine Yamaha Technology Racing (GYTR) accessories apart from all the rest? It's the winning combination of world-renowned Yamaha technology, insistence on using only the highest-quality materials and superior design. Yamaha’s rigorous testing is second to none and ensures proven durability and performance. All GYTR accessories are race inspired and designed to perform like nothing else. That’s why people who know insist on only the best and ask for GYTR by name. Check out the complete line of Yamaha Genuine Accessories and Apparel at YAMAHA-MOTOR.COM

Precision machined from aerospace-quality aluminum alloys; provides improved clutch performance, with lower clutch temperatures, less clutch expansion and extended clutch life.

Head comes fully assembled and ready to install on your engine or to replace a core charge or exchange program core, and ready to rev up your ride.

Enhances cold helmet and fuel pressure. Its patented core shape lowers sound level while maintaining maximum power output and the patented canister shape increases internal volume for more sound-absorbing material.