

Yamaha AG100/175



We built the first ag bike and we still build

AG100 The Yamaha AG100 is all new from the wheels up. Built to give farmers, ranchers and others in the outback a safer, surer and faster way to get around, this astoundingly versatile lightweight is the latest in our long line of specialized agricultural bikes. Agile and rugged, the AG100 has an improved capacitor

discharge ignition, leading axle front forks, and added low-end torque. And like its predecessors, it needs only minimum upkeep, even under the worst conditions. The AG100, an exciting new expression of a proven concept.

AG175 Big brother to the AG100, the new AG175 packs a tremendous 1.6 kg·m of torque for real go-anywhere performance. Everything from the reinforced frame, suspension and detailing like oversized wheels to AG17 as you



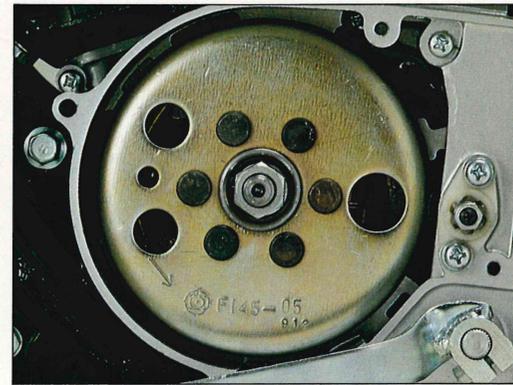
the best.

is, has been carefully thought-out and field-
o give you an extra edge on the range. So
can be ridden on its wheel rims for hun-
kilometers, the AG175 combines tremen-
ner with perfectly balanced handling. The
he heavy duty ag bike that works as hard
o.



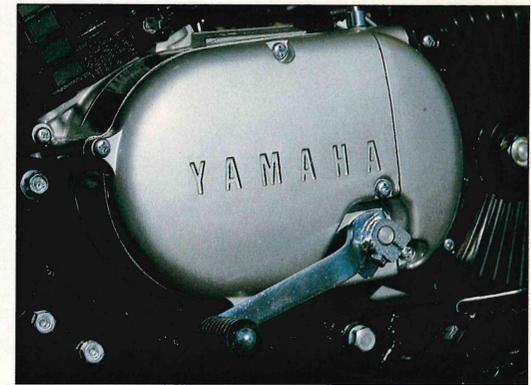
7-Port Torque Induction engine

Designed to stand up to the toughest use and abuse, the 97cc powerplant on the AG100 and the 171cc version on the AG175 supply astounding low-end torque and amazingly fast response at all rpms. Both use a special aluminum alloy cylinder head and cylinder for better cooling.



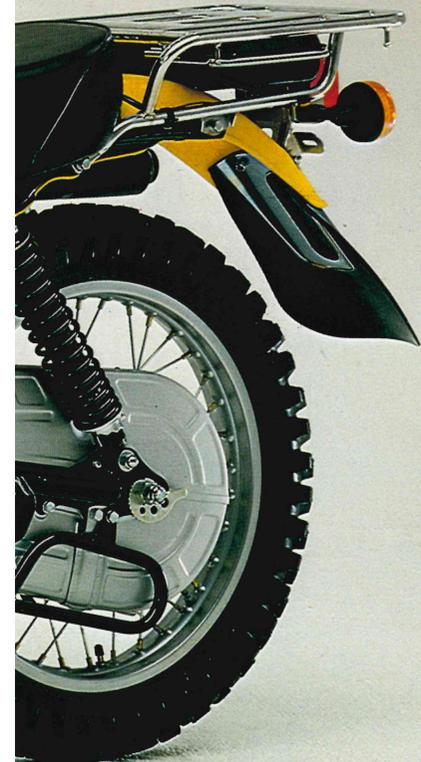
Capacitor discharge ignition

This advanced solid state ignition system has no moving parts nor points and condensers to adjust and replace. Sparking is always consistent at all speeds, starting easier and the entire system is virtually maintenance free. This sophisticated system is another example of why more farmers and ranchers prefer Yamaha.



5-speed transmission

The gear ratios have been carefully selected for smooth running at every speed from a walking pace to full open. Shifting is smooth, precise and easy, while gears have been specially strengthened to resist the worst abuse. For even more convenience, neutral has been placed at the bottom of the shift pattern.



Rear suspension

The inclined rear suspension system can be adjusted five ways to suit different terrain and road conditions. Balanced for superb control and to keep the rear wheels on the ground, this heavy duty suspension system absorbs the roughest jolts, even when the bike is fully loaded.



Leading axle front forks

Like the rear suspension, the front forks have been specially reinforced for better control over harsh ground. With their extended travel, sealed construction and superior durability, they provide an agility rare in bikes of this type and the kind of fast handling needed by ranchers and stock breeders.



Special tyres

To cope with harsh conditions far off the road, Yamaha developed special reinforced tyres. The tread pattern has been carefully chosen for superior off-road traction, and they are as strong as the bikes themselves. Sharp rocks, sudden holes, and even muddy uphill terrain pose no problems. And on the road at speed, they provide smooth, sure, and comfortable handling.

Other Features

Handle guards

Both brake and clutch levers are designed for a firm grip and to resist breakage during spills.

Fenders

The fenders are made from a tough fiber-reinforced plastic to eliminate the chance of rust.

Foot pegs

Specially strengthened and shaped to support the feet better.

Skid plate

This tough skid-plate protects the engine when you bottom out.

Double kickstand

Equipped with over-large bases to provide firm support on muddy and uneven ground.

Enclosed chain

The chain is completely enclosed to protect both it and the rider.

Sealed brakes

Both the front and rear brakes are sealed against water, dust, mud and dirt.

Mud flaps

These protect the rider and the bike from mud and debris kicked up by the tyres.

Kill Switch

For instant engine cutoff during spills or other emergencies.

Flywheel mass

Flywheel mass has been increased and precisely balanced to allow ultra-low-speed operation that will be smooth yet responsive to the throttle.

Front/rear carrier

Large carriers on both the front and rear provide plenty of space for heavy loads.

Exhaust pipe shield

The exhaust pipe and muffler are shielded to protect the rider from accidental burns.

Voltage Regulator

A large flywheel magneto and special AC regulator assure stable current for lights at all speeds.

AG100 Specifications

ENGINE

Type 2-stroke, 7-port Torque Induction, single
 Displacement 97 cc
 Bore & Stroke 52 x 45.6 mm
 Compression ratio 6.6:1
 Max. horsepower 8.5 hp @6,250 rpm
 Max. torque 0.98kg-m @6,000 rpm
 (9.6 Nm @6,000 rpm)
 Lubrication system Autolube
 Ignition system C.D.I.
 Starting system Primary kick starter
 Transmission 5-speed gearbox

DIMENSIONS

Overall length 2,110 mm
 Overall width 930 mm
 Overall height 1,080 mm
 Seat height 800 mm
 Wheelbase 1,315 mm
 Ground clearance 235 mm

Dry weight 99 kg
 Fuel tank capacity 11.0 lit.
 Oil tank capacity 1.5 lit.
 Tyres front 2.75-19-4PR
 rear 3.50-18-4PR

PERFORMANCE

Climbing ability 30°
 Min. turning radius 2,060 mm
 Min. braking distance 15 m
 @50 km/h

AG175 Specifications

ENGINE

Type 2-stroke, 7-port Torque Induction, single
 Displacement 171 cc
 Bore & Stroke 66 x 50 mm
 Compression ratio 6.0:1
 Max. horsepower 13.7 PS @6,500 rpm
 Max. torque 1.6kg-m @5,500 rpm
 (15.7 Nm @5,500 rpm)
 Lubrication system Autolube
 Ignition system C.D.I.
 Starting system Primary kick starter
 Transmission 5-speed gearbox

DIMENSIONS

Overall length 2,120 mm
 Overall width 930 mm
 Overall height 1,085 mm
 Seat height 805 mm
 Wheelbase 1,330 mm
 Ground clearance 240 mm

Dry weight 106 kg
 Fuel tank capacity 11.0 lit.
 Oil tank capacity 1.5 lit.
 Tyres front 3.00-19-4PR
 rear 4.10-18-4PR

PERFORMANCE

Climbing ability 30°
 Min. turning radius 2,100 mm
 Min. braking distance 15 m
 @50 km/h