



Yamaha Trail's Fresh Debut

21-inch tire is another innovation

The world-renowned Yamaha trail series consisting of five models ranging from the 360 RT3 and the 100 LT3 has made fresh debut in new sparkling colours. Fuel tanks which are finished gold dust, silver dust, baja brown, brandy red, competition green, hot red or marine blue feature two parallel stripes on the side cover. Overall colouring is felt vivid but solid, representing Yamaha's new motorcycle design concept.

The larger brothers of the series, the 360cc RT3 and the 250cc DT3 are equipped with the new 21-inch front tire to take over the place of the former 19-inch one. Together with the race-proven Torque Induction engine, the larger size tire makes those models more terrainworthy.



Powerful 360 RT3 & 250 DT3



Equipped with the new 21-inch front tire, the 360 RT3 and 250 DT3 have come out as tougher terrain attackers. Powered by the Yamaha-developed Torque Induction engine, those models always ensure outstanding durability and smooth maneuverability on the roughest surfaces. The rear suspension is of double spring type efficient enough to cushion every type of shock coming from riding surfaces. The rotary oil damper works on the viscosity of oil, and dampens shocks and vibrations in an ideal way. The engine features the Autolube to adjust the amount of oil exactly in accordance with different riding conditions. Waterproof and dustfree brakes on both wheels guarantee excellent safety at any times against those models' thrilling and exciting performance. The solid but vivid coloured fuel tank with two stripes running in parallel thereon is a striking accent in appearance.

SPECIFICATIONS OF RT3

PERFORMANCE

Max. speed range.....	133-135km/h (83-85mph)
Climbing ability.....	35degrees
Min. turning radius.....	2,000mm (78.7in.)
Min. braking distance.....	15m@50km/h (49ft.@31mph)

ENGINE

Type.....	2-stroke, Torque Induction
Displacement.....	351cc (21.42cu. in.)
Bore & Stroke.....	80x70mm (3.150x2.756in.)
Compression ratio.....	6.3 : 1
Max. horsepower.....	32hp @6,000rpm
Max. torque.....	3.83kg-m (27.7ft-lb) @5,500rpm
Lubrication system.....	Autolube
Starting system.....	Primary kick starter
Transmission.....	5-speed gearbox

TIRES front.....	3.00-21-4PR
rear.....	4.00-18-4PR

COLORING	Baja Brown
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* Specifications subject to change without notice.

SPECIFICATIONS OF DT3

PERFORMANCE

Max. speed range.....	120-125km/h (75-78mph)
Climbing ability.....	35degrees
Min. turning radius.....	2,000mm (78.7in.)
Min. braking distance.....	15m @50km/h (49ft. @31mph)

ENGINE

Type.....	2-stroke, Torque Induction
Displacement.....	246cc (15.01cu. in.)
Bore & Stroke.....	70x64mm (2.756x2.520in.)
Compression ratio.....	6.8 : 1
Max. horsepower.....	24hp @7,000rpm
Max. torque.....	2.53kg-m (18.3ft-lb) @6,000rpm
Lubrication system.....	Autolube
Starting system.....	Primary kick starter
Transmission.....	5-speed gearbox

TIRES front.....	3.00-21-4PR
rear.....	4.00-18-4PR

COLORING	Competition Green and Hot Red
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* Specifications subject to change without notice.

Nimble 175 CT3 & 125 AT3



The 175 CT3 and 125 AT3 are nimble and reliable terrain runners. Rugged enduro type front forks smoothly negotiate the most grueling conditions while riding. Knobby trail tires, on front and rear, feature unusually good roadgripping. Yamaha-exclusive Torque Induction engine ensures timeless and comfortable going over every type of terrain. Like bigger brothers of the series, both models incorporate the rotary oil damper, a device to make use of oil viscosity for reducing vibrations and shocks to a minimum. The wide and well cushioned seat adds extra comfort to terrain riding. The 5-speed constantmesh transmission is fully synchronized for the sake of positive and accurate shifting. The 175 CT3 is claimed to be a unique light-weight off-the-road model, as it performs highly as if it were a bigger displacement model, and at the same time it features 125cc machine's handling ease. On the other hand, the 125cc AT3 straight developed from the world-renowned 250cc trail is proud of its exceptional raceworthiness.



SPECIFICATIONS OF CT3

PERFORMANCE	
Max. speed range.....	107-115km/h (67-71mph)
Climbing ability.....	32degrees
Min. turning radius.....	1,900mm (74.8in.)
Min. braking distance.....	15m@50km/h (49ft.@31mph)
ENGINE	
Type.....	2-stroke, Torque Induction
Displacement.....	171cc (10.43cu. in.)
Bore & Stroke.....	66x50mm (2.598x1.969in.)
Compression ratio.....	6.8 : 1
Max. horsepower.....	16hp @7,500rpm
Max. torque.....	1.65kg-m (11.9ft-lb) @6,000rpm
Lubrication system.....	Autolube
Starting system.....	Primary kick starter
Transmission.....	5-speed gearbox
TIRES front.....	3.25-18-4PR
rear.....	3.50-18-4PR
COLORING	Gold Dust

* Specifications subject to change without notice.

SPECIFICATIONS OF AT3

PERFORMANCE	
Max. speed range.....	105-110km/h (65-68mph)
Climbing ability.....	30degrees
Min. turning radius.....	1,900mm (74.8in.)
Min. braking distance.....	15m@50km/h (49ft.@31mph)
ENGINE	
Type.....	2-stroke, Torque Induction
Displacement.....	123cc (7.51cu. in.)
Compression ratio.....	7.1 : 1
Max. horsepower.....	13hp @7,000rpm
Max. torque.....	1.38kg-m (10.0ft-lb) @6,000rpm
Lubrication system.....	Autolube
Starting system.....	AT3F: Primary kick starter AT3E: Electric & Primary kick starter
Transmission.....	5-speed gearbox
TIRES front.....	3.00-18-4PR
rear.....	3.25-18-4PR
COLORING	Gold Dust and Marine Blue

* Specifications subject to change without notice.

Compact but Dependable 100 LT3



The world-reputed technologies of Yamaha are fully incorporated in the compact but dependable 100cc trail LT3, too. The novice and the skilled alike find this ultralightweight trail model very serviceable for their varied purposes on terrains.

Attacking steep hills, going over stony fords, threading through woods, and riding out into grassy plains—the 100cc LT3 satisfies every adventurism to a maximum, displaying high and steadfast performance of the Torque Induction engine. Enduro type front forks are ideally rugged enough to withstand every vibration and shock from rough riding surfaces. 5-step adjustable rear suspension enables a rider to change the tension of rear shocks in accordance with varied riding conditions. Riding at night is also safe thanks to the large-size stoplamp and flasher providing extra assurance. 5-speed transmission shows a quick response to every shift requirement and change lever and footrest are so positioned that a rider may handle them effortlessly.

SPECIFICATIONS OF LT3

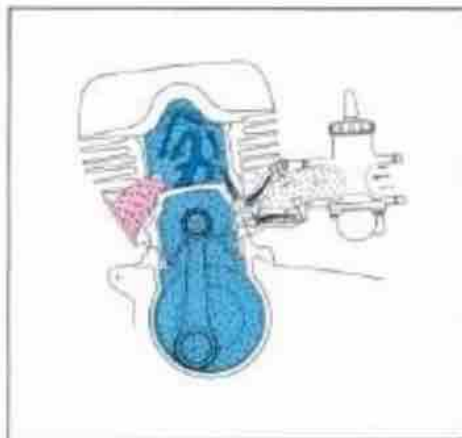
PERFORMANCE	
Max. speed range.....	93–100km/h (58–62mph)
Climbing ability.....	27 degrees
Min. turning radius.....	2,100mm (82.7in.)
Min. braking distance.....	15m@50km/h (49ft.@31mph)
ENGINE	
Type.....	2 stroke, Torque Induction
Displacement.....	97cc (5.92cu. in.)
Bore & Stroke.....	42.0x41.1mm (1.65x1.61in.)
Compression ratio.....	6.9 : 1
Max. horsepower.....	10hp @7,500rpm
Max. torque.....	0.97kg·m (7.0ft·lb) @7,000rpm
Lubrication system.....	Autolube
Starting system.....	Primary kick starter
Transmission.....	5-speed gearbox
TIRES front.....	2.75-18-4PR
rear.....	3.00-18-4PR
COLORING	Grape, Candy Yellow and Brandy Red

* Specifications subject to change without notice.



Torque Induction Engine

Yamaha-developed Torque Induction engine functions on unique 7-port scavenging system. When two main and two sub transfer ports open with a piston moving downward, new intake of fresh fuel which has been compressed in a crankcase is induced into a cylinder, thereby driving out burnt gas through an exhaust port. This is called a 5-port scavenging system. As for Yamaha's 7-port system, an intake port serves as an additional port for improving scavenging function. The upper part of it opens to induce fresh mixed gas into a cylinder. Then, the inertia of gas flow coupled with the pulsatory motion of 5-port scavenging opens V-type induction valves, resulting in entirely new direct scavenging. In a word, an intake port takes double action to complete 7-port scavenging function.



*Piston downward (7-port function)

