



A Monthly Journal for Yamaha World-Wide Dealers

# YAMAHA NEWS

1970

DECEMBER

Special  
Show Issue

Brightest - ever YAMAHA Corner

## 17th Tokyo Motor Show

The 17th Tokyo Motor Show took place for a 2-week period from Oct. 30 to Nov. 12 at Harumi Seaside Court, Tokyo Bay, attracting some 1,500,000 spectators. The Show was organized as the first-ever full scale international event supported by 25 foreign automobile makers with their 95 models made on display.

In contrast with tension felt at the Automobile Halls at a time when Japanese makers had to cope with capital

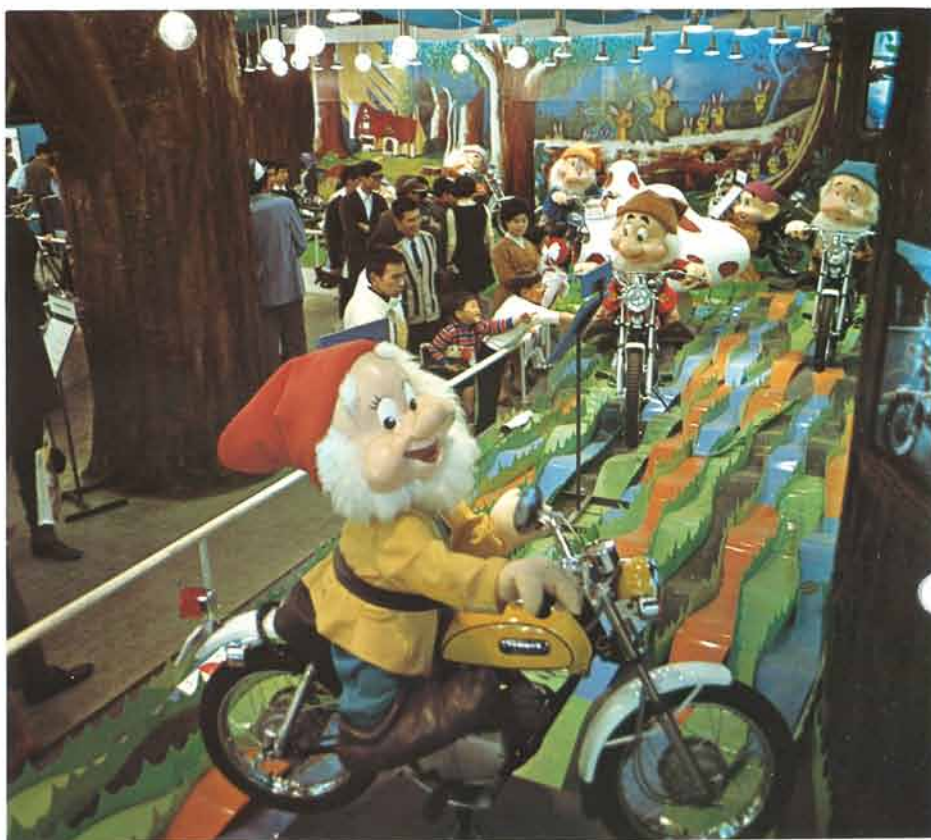
liberalization to come in April next year, bright and open moods were prevailing the whole Motorcycle Hall, representing

ever-upward trend of market both at home and abroad at the 3rd motorcycle golden age for Japanese makers. Yamaha corner featured particularly bright and relax moods to attract more spectators by arraying a sparkling 1971 line of products with a model Trail Land of Yamaha for background.



# YAMAHA Massive 1971 Line

Yamaha arrayed a massive 1971 line of 26 model-51 products ranging from 50cc to 650cc including a world-beating water-cooled 2-cylinder 250cc production racer together with 3 new models of snowmobile. Yamaha, enjoying particularly upward swing in sales of products, was steadily under way for a production setup of 70,000 units per month from next year on, to meet further upswing in demand both at home and abroad. New Yamaha Sports Series consisting of 7 models from 650 XS to 50 FS was made more colorful and smarter in outlook to appeal to younger sports fans around the world. Yamaha added the 175CT1 to the world-reputed Trail Series for sale in domestic market to consolidate the position of trail age leader more firmly. In addition to the Trail Series, 4 regular moto-cross models, 360 RT1MX



250 DT1MX, 125 AT1MX and 90 HT1MX were made on display to set spurs to motocross enthusiasm in Japan.

Also, new Yamaha Mini-Enduro Series provided fresh topics for conversation among spectators.



# YAMAHA Trail 360 RT1-F



## YAMAHA Strengthens Trail Series

Trail age leader Yamaha have renewed the Trail Series of five models ranging from 90cc to 360cc designated as the 360 RT1<sub>F</sub>, 250 CT1<sub>F</sub>, 175 CT1<sub>F</sub>, 125 AT1<sub>F</sub> and 90 HT1<sub>F</sub> for the year 1971. Each model has enjoyed unmatched reputation in its own class for superior quality and excellent performance, and emerged out afresh with many a refinement done to outlook as well as to performance. High hopes are held with the Yamaha Trail Series to further solidify Yamaha's leadership in its field.

### Powerful Trail King

Yamaha's biggest Trail 360 RT1<sub>F</sub> is a powerful trail king to attack impassable terrain with ease. Surely it is a fruit of world-famed Yamaha technology to give enthusiasts unsurpassed thrill and excitement in attacking every kind of rough or punishing surface in a dynamic way. Its 5-port engine delivers amazingly high and dependable power over a wider range of speeds for whatever purpose off roads. Yamaha's renowned Autolube oil injection system keeps an engine adequately

fed with oil at any time to raise working efficiency to a maximum.

A powerful engine combines with a smooth constant-mesh 5-speed gearbox to give the performance well worthy of a trail king. Brakes on this dynamic model are powerful and properly shut off any water and dust to assure extra safety against any emergency use.

Front forks are extra-rugged and intended to be just fit for the heaviest duty on rough surfaces. The biggest Yamaha is equipped with separate readable meters, knobby tires, brighter lighting equipment, and scrambler-type bridge crossbar.

#### SPECIFICATIONS

##### PERFORMANCE

Max. speed range . . . . .	125 ~ 130 km/h (78 ~ 81 mph)
Climbing ability . . . . .	35 degrees
Min. turning radius . . . . .	2,000 mm (78.7 in.)
Min. braking distance . . . . .	15m @ 50 km/h (49 ft. @ 31 mph)

##### ENGINE

Type . . . . .	2-stroke, 5-port, Single
Displacement . . . . .	351 cc (21.42 cu.in.)
Bore & Stroke . . . . .	80 x 70 mm (3.150 x 2.756 in.)
Compression ratio . . . . .	6.3:1
Max. horsepower . . . . .	30 hp @ 6,000 rpm
Max. torque . . . . .	3.6kg-m (26.0 ft-lb) @ 5,500 rpm
Lubrication system . . . . .	Autolube
Starting system . . . . .	Primary kick starter
Transmission . . . . .	5-speed gearbox

##### DIMENSIONS

Overall length . . . . .	2,100 mm (82.7 in.)
Overall width . . . . .	890 mm (35.0 in.)
Overall height . . . . .	1,160 mm (45.7 in.)
Wheelbase . . . . .	1,390 mm (54.7 in.)
Min. ground clearance . . . . .	255 mm (10.0 in.)

WEIGHT (Net) . . . . . 119 kgs (262 lbs.)

FUEL TANK CAPACITY . . . . . 9.5 lit (2.5 us gal.)

OIL TANK CAPACITY . . . . . 1.6 lit (1.7 us qt.)

Tires front . . . . . 3.25-19-4 PR

rear . . . . . 4.00-18-4 PR

*\*Specifications subject to change without notice.*



# YAMAHA Trail 250 DT1-F

## Trail Age Pacemaker

The name of this lightweight Yamaha is more than famous around the world. It has set a trend of trail riding, entirely-new motorcycling activities off roads. It is claimed to be a real machine for one who looks for tremendous thrill and fresh fun over rough surfaces. Its powerful 2-stroke single engine features a 5-port breathing system and Autolube oil injection device together with many other merits of proven Yamaha technology. A constant-mesh 5-speed gearbox is completely synchronized for more flexibility and safety of operation. Both special knobby tires display outstanding road-gripping on any terrain. Large and fade-free brakes are ideally waterproof and dust-free.

Rear suspension can be adjusted in 5 stages in accordance with variation of riding conditions. Rugged but light front

forks really prove worthy of any heavy duty on the most punishing riding condition.

### SPECIFICATIONS

#### PERFORMANCE

Max. speed range ..... 117-120 km/h  
(73-78 mph)  
Climbing ability ..... 35°  
Min. turning radius ..... 2,000 mm (78.7 in.)  
Min. braking distance ..... 15 m @50 km/h  
(49 ft. @31 mph)

#### ENGINE

Type ..... 2-stroke, 5-port, Single  
Lubrication system ..... Autolube  
Bore & Stroke ..... 70 x 64 mm  
(2.756 x 2.520 in.)  
Displacement ..... 246 cc (15.01 cu. in.)  
Compression ratio ..... 6.8 : 1  
Max. horsepower ..... 21 hp @6,500 rpm

Max. torque ..... 2.40 kg-m (17.4 ft-lb)  
@5,500 rpm  
Transmission ..... 5-speed gearbox  
Starting system ..... Primary kick starter

#### DIMENSIONS

Overall length ..... 2,100 mm (82.7 in.)  
Overall width ..... 890 mm (35.0 in.)  
Overall height ..... 1,160 mm (45.7 in.)  
Wheelbase ..... 1,390 mm (54.7 in.)  
Min. ground clearance ..... 255 mm (10.0 in.)  
**WEIGHT (Net)** ..... 119 kg (262 lbs.)  
**FUEL TANK CAPACITY** 9.5 lit. (2.5 US gal.)  
**OIL TANK CAPACITY** .. 1.6 lit. (1.7 US qt.)  
**TIRES** front ..... 3.25-19-4 PR  
rear ..... 4.00-18-4 PR

*\*Specifications subject to change without notice.*



# YAMAHA Trail 175 CT1-F

## Lightweight Dependable Runner

The Yamaha 175 CT1-F is a brisk and dependable lightweight runner over rough terrains. It superbly features handling ease of the 125cc model plus thrill and

excitement of the 250cc model. Yamaha's technological refinements are also incorporated in this model. Yamaha's exclusive 5-port engine coupled with Autolube will assure a rider of steadfast and endless going over any rough surface. Constantmesh 5-speed gears are free from any grinding, clashing or jamming. Shifting is smooth and effortless.

Yamaha's reputed front forks are amazingly rugged but light to show quick responses to whatever type of riding condition, bringing a new dimension in off-the-road riding. Included in other excellent features are fade-free powerful brakes, special knobby tires for better gripping, 5-stage adjustable rear suspension, scrambler-type bridge crossbar, separate speedometer and tachometer, and large-size brighter lighting equipment.

### SPECIFICATIONS

#### PERFORMANCE

Max. Speed range	105-110 km/h (65-68 mph)
Climbing ability	32°
Min. turning radius	1,900 mm (74.8 in.)
Min. braking distance	15 m @50 km/h (49 ft. @31 mph)

#### ENGINE

Type	2-stroke, 5-port, Single
Lubrication system	Autolube
Bore & Stroke	66 x 50 mm (2.598 x 1.969 in.)
Displacement	171 cc (10.43 cu. in.)
Compression ratio	6.8 : 1
Max. horsepower	15.6 hp @7,000 rpm

Max. torque	1.65 kg-m (11.9 ft-lb) @5,500 rpm
Transmission	5-speed gearbox
Starting system	Primary kick starter

#### DIMENSIONS

Overall length	1,980 mm (78.0 in.)
Overall width	910 mm (35.8 in.)
Overall height	1,110 mm (43.7 in.)
Wheelbase	1,290 mm (50.8 in.)
Min. ground clearance	240 mm ( 9.4 in.)
WEIGHT (Net)	97 kg (214 lbs.)
FUEL TANK CAPACITY	7.2 lit. (1.9 US gal.)
OIL TANK CAPACITY	1.2 lit. (1.3 US qt.)
TIRES front	3.25-18-4 PR
rear	3.50-18-4 PR

*\*Specifications subject to change without notice.*



# YAMAHA Trail 125 AT1-F

## Smaller Class Ace

Yamaha have pushed afore an exciting model Trail 125 AT1<sub>F</sub> to win unexceeded popularity of smaller class trail fans. Its single 2-stroke powerplant adopts a basically same layout as bigger brothers of the Series. The smaller Yamaha has already proven admirably worthy of rough surface conditions and the 1971 model is promised to set further spurs to trail enthusiasm around the world.

A powerful 5-port Autolube engine is mounted on rugged double cradle type frame. A 5-speed gearbox operates effortlessly at any time. Its exceptionally high ground clearance enables a rider to negotiate or challenge seemingly impass-

able terrains successfully. Efficient rear suspension is adjusted in five stages. Besides, it features universal trail tires, bridge-type handle bar, rugged front

forks, powerful brakes, large-size head-lamp as standard equipment.

The 125 AT1<sub>F</sub> is duly claimed to be an ace in its own class.

### SPECIFICATIONS

#### PERFORMANCE

Max. speed range . . . 100-105 km/h (62~65 mph)  
 Climbing ability . . . . . 30 degrees  
 Min. turning radius . . . . . 1,900 mm (74.8 in.)  
 Min. braking distance . . . . . 14.8 m @ 50 km/h  
 (48.5 ft. @ 31 mph)

#### ENGINE

Type . . . . . 2-stroke, 5-port, Single  
 Displacement . . . . . 123 cc (7.51 cu.in.)  
 Bore & Stroke . . . . . 56 x 50 mm  
 (2.205 x 1.969 in.)  
 Compression ratio . . . . . 7.1:1  
 Max. horsepower . . . . . 11.5 hp @ 7,500 rpm  
 Max. torque . . . . . 1.17 kg-m (8.5 ft-lb)  
 @6,000 rpm

Lubrication system . . . . . Autolube  
 Starting system . . . . . Primary kick starter  
 Transmission . . . . . 5-speed gearbox

#### DIMENSIONS

Overall length . . . . . 1,960 mm (77.2 in.)  
 Overall width . . . . . 910 mm (35.8 in.)  
 Overall height . . . . . 1,090 mm (42.9 in.)  
 Wheelbase . . . . . 1,285 mm (50.6 in.)  
 Min. ground clearance . . . . . 225 mm (8.9 in.)  
**WEIGHT (Net)** . . . . . 94 kgs. (207 lbs.)  
**FUEL TANK CAPACITY** . . . . . 7.2 lit. (1.9 US gal.)  
**OIL TANK CAPACITY** . . . . . 1.2 lit. (1.3 US qt.)  
**TIRES** front . . . . . 3.00-18-4 PR  
 rear . . . . . 3.25-18-4 PR

*\*Specifications subject to change without notice.*



# YAMAHA Trail 90 HT1-F

## Efficient Novice Developer

It is an ultra-lightweight trail model primarily intended for younger trail enthusiasts. It is designed to be ideally suitable both for off-the-road purposes and for normal road uses. Compact as it is in size, it performs like bigger class machines,

featuring all of Yamaha's exclusive technological advantages including a 5-port 2-stroke single engine, and Autolube oil injection system.

Its exceptionally rugged construction withstands the most punishing conditions in trail riding. A supersmooth 5-speed gearbox enables any novice rider to shift gears very effortlessly. Tires and brakes are likewise designed for rough trail purposes. Both tires of universal knobby type display their amazing function of traction against varied riding surfaces. Front and rear brakes are properly protected against water and dust for flawless performance in any weather and on any riding condition.

Also, it has such outstanding features as a new 5-step adjustable rear suspension, larger and brighter headlamp, easy-to-see meters, both flasher signals as standard equipment, and so on.

### SPECIFICATIONS

#### PERFORMANCE

Max. speed range . . . 88~95 km/h (55~59 mph)  
Climbing ability . . . . . 25 degrees  
Min. turning radius . . . . 1,750 mm (68.9 in.)  
Min. braking distance . . . . 7m @35 km/h  
(23.0 ft. @22 mph)

#### ENGINE

Type . . . . . 2-stroke, 5-port, Single  
Displacement . . . . . 89 cc (5.43 cu. in.)  
Bore & Stroke . . . . . 50 x 45.6 mm  
(1.969 x 1.795 in.)  
Compression ratio . . . . . 6.8 : 1  
Max. horsepower . . . . . 8.5 bhp @7,000 rpm  
Max. torque . . . . . 0.9 kg-m (6.51 ft-lb)  
@6,500 rpm

Lubrication system . . . . . Autolube  
Starting system . . . . . Primary kick starter  
Transmission . . . . . 5-speed gearbox

#### DIMENSIONS

Overall length . . . . . 1,875 mm (73.8 in.)  
Overall width . . . . . 900 mm (35.4 in.)  
Overall height . . . . . 1,035 mm (40.7 in.)  
Wheelbase . . . . . 1,220 mm (48.0 in.)  
Min. ground clearance . . . . 225 mm (8.9 in.)  
WEIGHT (Net) . . . . . 85 kgs (187 lbs.)

FUEL TANK CAPACITY . . . . . 6.5 lit (1.7 gal.)

OIL TANK CAPACITY . . . . . 1.2 lit (1.3 us qt.)

TIRES front . . . . . 2.75-18-4 PR  
rear . . . . . 3.00-18-4 PR

*\*Specification subject to change without notice.*

## YAMAHA's Champion Racer Makes Debut

A Yamaha 250cc TD2 production racer ridden by R. Gould captured the 250cc title in this year's World Championship Road Race Series. This machine's fabulous performance absolutely highlighted every GP throughout the 1970 season. This world beater made its first public outing in Japan at the Show to cause a sensation among Japanese road race enthusiasts. Each day throughout a period, it drew a lot of people who wished to touch and sit astride it to just enjoy a feeling of the world champion.



## Snowmobiles Win Popularity

New models of Yamaha snowmobile also attracted big attention of spectators. This product of Yamaha is claimed to be a revolutionary vehicle to change and enrich the life of people in snowy areas in the world. It is finding more scope of

activities for sporty uses as well as for practical purposes such as transportation, rescue, patrol, etc. on snow. Yamaha have already established a production setup of 25,000 units per year to fill ever increasing orders from abroad.

