



A Monthly Journal for Yamaha World-Wide Dealers

YAMAHA NEWS

1970

MAY

Yamaha add more powers to the series

Yamaha, leader of trail age have recently added two entirely-new models, big and small, to the series for the purpose of developing fresh market. They are the Trail 360 RT 1 mounted with a powerful 30 ps power-unit and the Trail 90 HT 1 intended for ready use of the novice. Now, with these additions Yamaha's world-famed trail series has five different-sized models ranging from 90 cc to 360 cc to just meet the requirements of customers over the widest-ever range.

More dynamic ride enjoyed

Yamaha 360 Trail RT 1

The biggest Yamaha Trail is a larger and more powerful version of the 250 DT 1 which has pioneered the current trail boom



and made Yamaha's reputation firm.

A newly designed 2-stroke single 351 cc engine is fitted with a unique 5-port breathing and Autolube oil injection systems to deliver constantly stable power at speeds ranging from low to high through a 5-speed gearbox. Its rugged double-cradle frame made of high-tension steel pipe and both well-balanced suspensions always assure a rider of comfortable going on the roughest surfaces.

It is also noticeable that the RT 1 is so designed and strengthened in every part of structure from the frame down to the kickcrank as to correspond with its particularly dynamic power delivered. For example, the front fork's under-racket is tightened with a couple of bolts. the rear wheel axle is made larger in diameter, though not seen from its appearance, and the thicker pipe is used for the frame.

YAMAHA 360 TRAIL RT 1

PERFORMANCE
 Max. speed range 129-130 km/h (78-81 mph)
 Climbing ability 35 degrees
 Min. turning radius 2,000 mm (78.7 in.)
 Min. braking distance 16 m @ 50 km/h
 (49 ft. @ 31 mph)

ENGINE
 Type 2-stroke, 5-port, Single
 Displacement 361 cc (21.42 cu. in.)
 Bore & Stroke 80 x 70 mm
 (3.150 x 2.756 in.)
 Compression ratio 8.3 : 1
 Max. horsepower 30 hp @ 6,000 rpm
 Max. torque 3.6 kg-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 830 mm (32.6 in.)
 Overall height 1,160 mm (45.7 in.)
 Wheelbase 1,300 mm (51.2 in.)
 Min. ground clearance 255 mm (10.0 in.)
WEIGHT (Net) 119 kg (263 lbs.)
FUEL TANK CAPACITY 15.5 l (4.1 US gal.)
OIL TANK CAPACITY 1.8 l (1.7 US qt.)
TIRES front 3.25-19-4 PR
 rear 4.00-18-4 PR

YAMAHA 90 TRAIL HT 1

PERFORMANCE
 Max. speed range 88-95 km/h (55-60 mph)
 Climbing ability 25 degrees
 Min. turning radius 1,750 mm (68.9 in.)
 Min. braking distance 7 m @ 25 km/h (23 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 8.0 : 1
 Max. horsepower 8.5 hp @ 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 1,036 mm (40.7 in.)
 Wheelbase 1,220 mm (48.0 in.)
 Min. ground clearance 225 mm (8.9 in.)
WEIGHT (Net) 85 kg (187 lbs.)
FUEL TANK CAPACITY 8.6 l (1.7 US gal.)
OIL TANK CAPACITY 1.2 l (1.3 US qt.)
TIRES front 2.70-18-4 PR
 rear 3.00-18-4 PR

The smallest Yamaha Trail weighs only 85 kg with the overall length of 1,875 mm. Its outstanding handability makes it an ideal bike for novice trail enthusiasts. Though it is intended primarily for such a purpose, it never disheartens more skilled trail fans by delivering, as occasion requires, amazingly high performance far above the level in its capacity class. A 2-stroke single 5-port, 89 cc

Autolube engine has a 5-speed gearbox with a wet multi-plate clutch. This power unit is compactly installed on the rugged double-cradle frame. The front fork's spring housed in the bottom case and 3-stage rear cushion efficiently operate for absorbing shock on whatever type of riding conditions. Just as on other models of the series, both brakes are perfectly dust-free and water-proof.



The Yamaha 90 Trail HT 1 is an ideal ultra-lightweight bike intended for novice trail enthusiasts. It is finished in sparkling candy orange. Its impression as a whole is "Elastic and Fresh" differed from the massive 360 RT 1.

Efficient developer of novice customers Yamaha 90 Trail HT 1

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9TH TOKYO BOAT SHOW Dignity of leading manufacturer Yamaha corner highlights the Show

Japan is surrounded by sea in all sides. In addition to it, there are so many rivers and lakes everywhere in this country. These geographical features favour recreations on water, and are particularly encouraging enthusiasm for motor boating offering greater fun and excitement.

The boat show held so far at the beginning of the season each year has reflected the popularity rapidly growing for motor boating. This year the 9th Tokyo Boat Show was held for the period from 27 to 30 March at the Hall No. 3, Harumi Trade Center, Tokyo.

The Show was supported by over 50 companies such as domestic boat manufacturers, importers of foreign products and other manufacturers of related products, displaying their own motor boats, outboard motors and various auxiliary products.

Yamaha occupied the largest area of all as the leading manufacturer. 18 models of pleasure boat ranging from 10' to 38', 3 models of sail boat, - 15', 22'

and 36' ones, 3 models of fishing boat from 16' to 22' as well as 6 models of outboard motor attractively arrayed at the Yamaha corner convincingly impressed spectators with the dignity of leading manufacturer. It was in 1960 that Yamaha entered upon their work of boat manufacturing. In those days, however, domestic boat manufacturers including Yamaha had to check their work to a minimum

scale because of miserably poor enthusiasm and extremely limited market.

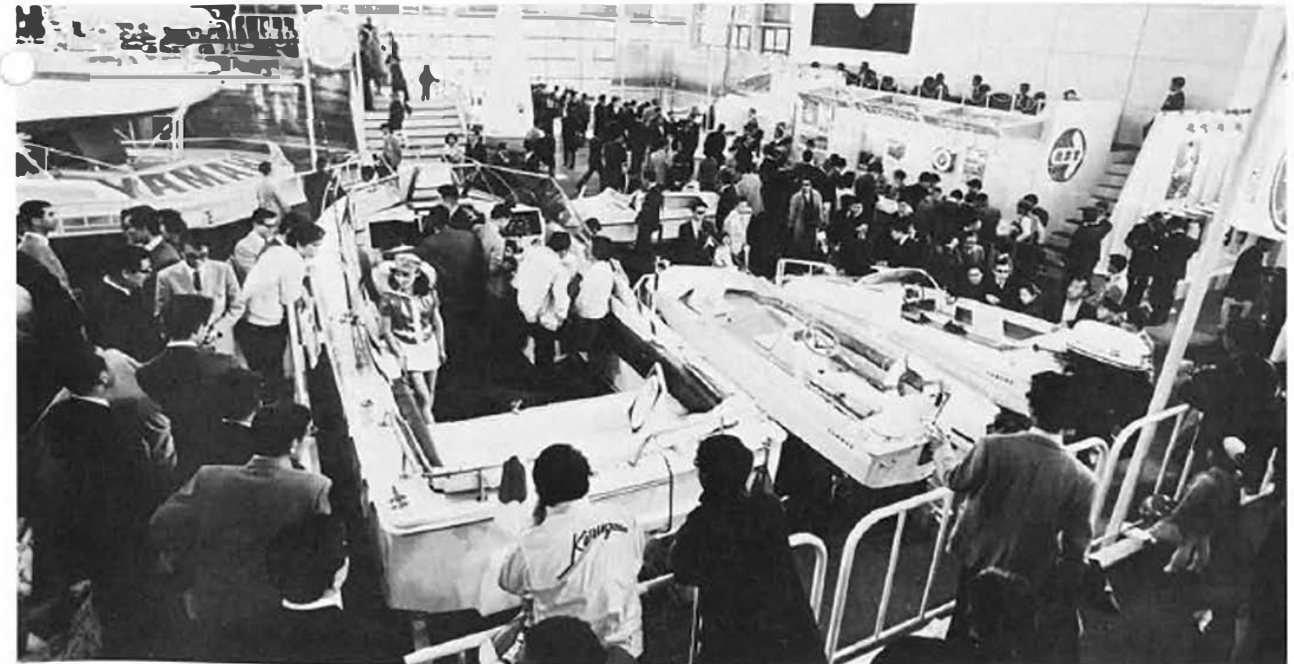
They barely continued to supply a small number of manias with wooden boats.

Much to the public surprise, Yamaha announced to launch upon mass production of FRP boats under such pessimistic conditions. Yamaha's plan was regarded as a reckless attempt setting aside a couple of the worst conditions, say, the application of FRP material unexperimented yet and unforeseen scale of market for new products.

President Kawakami, however, ventured into the positive development and sales of FRP boats in anticipation of prosperity to come.

His anticipation hit the mark. Or more than it!

Yamaha have come to gain a lion's share of domestic market, making the name of "Yamaha"



a synonym for the boat made in Japan.

It is never too much to say that eight out of ten boats on water around Japan are made by Yamaha.

Yamaha have further consolidated the position of leading manufacturer by developing FRP coastal fishing patrol boats and ocean fishing operation boats. Recently, Yamaha have completed the line of pleasure boats by adding to the line their first-ever sailboats manufactured under technical tie-up with Columbia, American famous manufacturer, causing a sensation at the show.

Well designed and high performance

The line of Yamaha consists of three different type series. They are the Stripe model of a deep V-type hull with longitudinal steps, the Trimaran model of a triple hull and the Fisherman model of a round bottom with square chines.

In particular the Stripe boats, all of which are over 15' in length, are Yamaha's typical long-seller products. Especially the 18' cruiser has been the longest seller of all, representing the boat made in Japan.

It is a standard daytime cruiser which Yamaha have successfully compacted into such a reasonable size to meet peculiar cruising conditions in Japan, though it has much resemblance in principle to those produced by Bertam or Chris Craft in America. It is enjoying the highest reputation for its outstanding reliability.

The Trimaran boats of well designed keels which launched onto market several years ago, display wonderful mobility even through narrow waterways.

All of the Fisherman boats are of open dingy type, offering much fun and utility for boating enthusiasts.

Involved in the line, also, are the FRP fishing boats making contributions to the improvement of coastal fishing methods.

The sail boats are 15', 22' and 36' ones. The 15' one is a racing boat of one-unit type hull which

is expected to win bursting popularity in the forthcoming season. The 22' and 36' ones are cruisers wider by 20 percent than other makes in their respective class, assuring the crew of more fun and comfort while cruising. Orders received by Yamaha have amounted up to some dozens, and a number of sparkling white-snow sails will be an eye-catching sight on sea this summer.

Outboard motors produced by the GP race-proven technique

As known well, Yamaha captured

several lightweight titles in the World Championship Road Races. Especially, Yamaha enjoyed the honor of the first-ever 2-stroke machine manufacturer clinching the 250cc title contested most severely. Yamaha's race-proven technique has been applied to turn out a unique series of six outboard motors ranging from the 1.5 H.P. P-45 to the 15 H.P. P-250.

The smallest P-45 is wonderfully handy, weighing only 9 kg. It can be carried with one hand and mounted on whatever type of boat effortlessly. It can be always kept in a car trunk.

▼ Sensational Yamaha sailboats, 36' (left) & 22' (right) models.



▼ Handy Yamaha row boats assure them of tremendous fun.



▼ A full line of Yamaha outboard motors attractive to fans.



Yamaha Racing Highlights

Yamaha's double victory

Austrian GP

The Austrian Grand Prix, expected to be a classic event next year, was held for the first time on the 2.6-mile Salzburgring circuit on April 26.

Yamaha riders dominated both 250cc and 350cc classes by monopolizing the 1st and other major placings.

The 250cc race developed into a thrilled battle between S. Grasseti, K. Carruthers, R. Gould, K. Anderson and J. Saarinen. All on Yamahas!

Grasseti held his leading position until he unluckily crashed on the last lap. Anderson riding a Yamaha 250cc TD-2 crossed the line first well ahead of Saarinen on another Yamaha. His average speed was 85.56 mph.

In the 350cc race Yamaha riders repeated their

closest dice again. Anderson, dressed in snow-white racing suits rode his 350cc TR-2 expertly to lead the entire field. But, luck turned against this Swedish ace this time. He came off the machine. K. Hoppe riding also a TR-2 pulled ahead to finish first at an average speed of 86.56 mph.



Photo : K. Anderson is leading the field. He is expected to be a spearhead of Yamaha in the 1970 World Championship Series.

1st & 2nd places won

Singapore G. P.

Ou Teak Wing, No. 1 rider in Singapore won the 1970 Singapore Grand Prix road race on March 30, riding a fantastically fast Yamaha 350cc TR-2 production racer. The race was contested for 40 laps but Wing lost his lead to none throughout racing. His winning time was 1h 41 min. 04.7 sec., and K.C. Wong, another TR-2 rider finished second, enjoying approx. one minute margin over M. Moriwaki on a Honda. In other four classes, Yamaha riders also took major placings as follows:

- | | |
|----------------|---------|
| 100cc class | |
| 1. B. Kuan | Yamaha |
| 2. C. Howell | " |
| 125cc class | |
| 1. B. Suswanto | Yamaha |
| 2. B. Hidosat | " |
| 3. G. Looi | " |
| 250cc class | |
| 1. O.T. Wing | Yamaha |
| 2. H. Tan | " |
| 3. P.H. Reid | Bultaco |

350cc class

- | | |
|----------------|--------|
| 1. O.T. Wing | Yamaha |
| 2. M. Moriwaki | Honda |
| 3. S. Soh | Yamaha |



O.T. Wing's victorious smile!

Bathurst Grand Prix, Australia

One of the most important Australian road races entitled the Bathurst Grand Prix road race meeting was held on March 30 on a panoramic 4-mile circuit some 140 miles west of Sydney. A number of events were run, but the meeting resulted in tre-

mendous success for Yamaha riders who snatched five wins in six major events contested.

In the ultra-lightweight class, Ron Toombs, one of the Australian top riders rode a factory prepared 125cc Yamaha to finish first, renewing the old lap record by 8.3 secs., which aroused a big sensation again for its marvellous performance. Toombs also won the lightweight class breaking both race and lap time records.

The junior class race turned an extremely thrilling one between Yamaha and Kawasaki. A 350cc Yamaha TR-2 ridden by Bryan Hindle beat a factory prepared 500cc 3-cylinder Kawasaki, setting a new lap record at 2 min. 39 secs.

The meeting was highlighted by a spectacular attack of Yamaha riders in the unlimited class. The toughest challenge came from factory prepared 500cc 3-cylinder Kawasaki machines, but Yamaha's superiority proved stable. Toombs riding a 350cc TR-2 won the race, smashing Kawasaki's hope.

In the lightweight production class, Tony Hinton on a 250cc Yamaha fully sponsored by McCULLOCH became the winner establishing the lap record at 3 min. 4 secs.

Yamaha Stand at London Show

Shown here is the Yamaha Stand established at the Racing & Sporting Motorcycle Show recently held in London. It was arranged in such an attractive way by Sondel Sport, Ltd., with considerable aid of Mitsui & Co., Ltd., Yamaha distributor in Great Britain.



Season has come!

In Holland only mopeds were seen trotting through streets during the winter season. But, the Amsterdam Motor Show, one of the most famous international shows in the world has raised the curtain for the 1970 active season in this country. A new line of Yamaha, especially, a street 650 XS-1 exhibited here will set spurs to fresh enthusiasm for motorcycling in this country.



Spring is here

Spring is rather late in coming in Holland. The youth are most sensible to its arrival after a long inactive season. Now, spring is just here with a young Dutch couple enjoying a pillion ride on a lusty Yamaha 50cc FS1P around the pier of Rotterdam.

(offered by Het Motorpaleis N. V., Rotterdam)



Contributions Invited

Just send us pictures you've taken of stories, interesting happenings or, extraordinary incidences-anything if it's about YAMAHA. A commemorative gift will be sent to those subscribers whose pictures are accepted for publication.

YAMAHA MOTOR CO., LTD.
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Moto-cross getting popular Ethiopia

Moto-cross events are getting gradually popular in this part of the world, thanks to American enthusiasts. Pictured here is a scene of moto-cross event recently staged on such a rough course of Kagnew. It was contested by six riders only, but never failed to make a considerable number of local spectators thrilled and excited.

Jim Ferris riding a Yamaha 250cc DT-1 took overall honors with one heat win

and two second-place finishes, and Jerry Krasser also on a Yamaha DT-1 became the overall second finisher.

