



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 kick-crank 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 ..... 125-130 km/h (78-81 mph)  
 Climbing ability ..... 35 degrees  
 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  
 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 ..... 3.6 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 ..... 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. (258 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

#### YAMAHA 90 TRAIL HT 1

**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 ..... 7 m @35 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 ..... 6.8 : 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 ..... 1,035 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 US gal.)  
**OIL TANK CAPACITY** ..... 1.2 lit. (1.3 US qt.)  
**TIRES** front ..... 2.75-18-4 PR  
 rear ..... 3.00-18-4 PR

## Efficient developer of novice customers Yamaha 90 Trail HT 1

The smallest Yamaha Trail weighs only 85 kg with the overall length of 1,875 mm. Its outstanding handrability 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 HT1 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.

## 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.

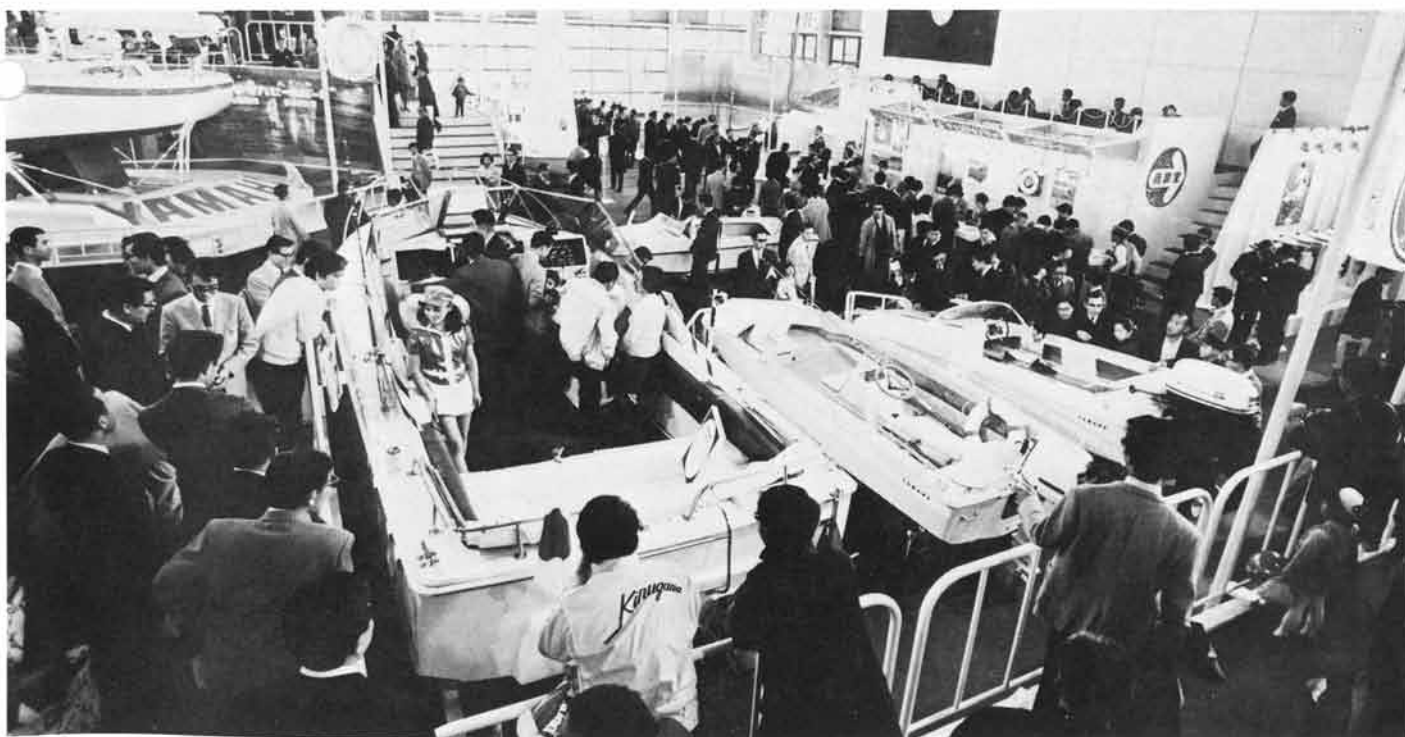
They barely continued to supply a small number of manias with wooden boats.

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 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 mokicks 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.



## YAMAHA Topics

### 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 FSIP 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.  
NAKAJO 1280, HAMAKITA  
CITY, SHIZUOKA PREF. JAPAN

### 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.

