



A Monthly Journal for Yamaha World-Wide Dealers

# YAMAHA NEWS

1968  
TOKYO  
MOTOR  
SHOW  
ISSUE

## 15TH TOKYO MOTOR SHOW SPARKLES WITH YAMAHA'S NEW '69 MODELS

An impressive array of Yamaha's new 1969 models made their brilliant debut at the 15th Tokyo Motor Show, held at Harumi, Tokyo for 17 days from October 26.

Yamaha's exhibits evidently constituted major attractions for the 1,511,600 visitors—a record for the annual show—who daily thronged the grand annual event. The Yamaha Corner, marked a fascinating red-blue stripe pattern, presented a veritable symphony of colors and lights, which helped impress the eager visitors with the charm of Yamaha's sporty 1969 models.



The attractively decorated Yamaha corner is demonstrating the majestic accomplishments of evergrowing Yamaha, providing a key highlight of the Tokyo Motor Show.

## Yamaha Sports 90HS-1



### Here's Full-Fledged 90 Twin !

90 cc motorcycle capable of 110 km per hour. Speed is the life of sportscycle !

Yamaha sportscycle 90 HS-1, boasting paramount performance in the 90 cc class, went on sale throughout Japan on December 1. Featuring 2-cylinder, 2-carburetor, 5-port, Autolube, five-speed transmission, it is the "Twin 90" befitting its name of supersportscycle in a new age of high-speed driving.

Yamaha, which blazed the trail for the 90 cc high-speed twin with the Yamaha Autolube twin AT90, has completed a high-performance engine combining Twin 90 with 5 port design. In addition, Yamaha has sought to develop a styling potential appealing to the sentiment of the contemporary youth. And all this effort has culminated in the new 90 HS-1 model.

#### 5-Port, 5-Speed

Low and medium-speed performance has been largely improved through the adoption of the 5-port design, which has come into the limelight as an ideal scavenging formula. This assures a smooth, powerful riding. A 90 cc 2-cylinder engine has a small displacement of 45 cc per cylinder.

Sound of Twin that enchants the youth—Now full-equipped super-sportscycle is born at long last !

But Yamaha's superb engineering has made it possible to apply the highly efficient 5-port design to this small cylinder.

The compact crankcase houses a 5-speed return-change transmission system befitting the model's function as super sportscycle. The engine responds sensitively to the rider's driving skill.

#### Highest Performance in 90cc Class

The pipe frame mounting this powerful 10.5 horsepower engine is a teardrop type making the most of Yamaha's experiences regarding high-speed motorcycles, such as 125 AS1 and 180 CS1. It's so sturdy, it can even carry a 125cc engine, yet weights only 89 kilograms.

The styling of HS1 features a smart teardrop-type gasoline tank. Color finishing is so bright and the vehicle has a fresh charm that never fails to capture the hearts of high school students and active young people about 20 years old.

The new model is indeed a powerful addition to your "trump cards" for in creasing sportscycle enthusiasts.

Chic separate meter that symbolizes super-speed sportscycle. →



Two air cleaners, placed side by side, create a beautiful harmony by connecting gasoline tank and side case.





### Tuning Up GYT for Racing

In standard model, the maximum output of the engine is 11.5 HP with a maximum torque of 1.17 kg-m. As with DT1, a slight improvement using GYT (Genuine Yamaha Tuning) parts ups horsepower to such an extent as to enable 125 AT1 to put up a marvelous performance in any motocross. Front fork is Yamaha's unique exotic type with a 145 mm cushion stroke. For rear cushion, the swing arm oleo equipped with 3-position adjusting device has been adopted. This suspension system has already proved highly popular through DT1. The new model also boasts other features peculiar to the Yamaha Trail Series that enable it to negotiate even bad roads with utmost ease. Among them are thick tires of trail universal type, upswept handle bar with bridge, deep-cushioned seat and heat resistant exhaust muffler.



### Yamaha Sports 180 CS2-E

Yamaha Sports 180 CS2-E that represents new-type high-speed sportscycles.

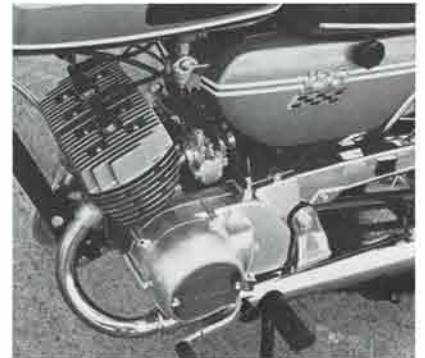
Yamaha has now created an entirely new type of highspeed sportscycle. It is Yamaha Sports 180 CS2-E.

Light and powerful, it boasts high performance equal to that of 250 cc class vehicles. It is bound to evoke active demand as a medium sportscycle between 125 cc and 250 cc classes.

### Greater Output at Low and Medium Speeds

The engine of the new model is an improvement of the engine for Yamaha Sports 180 CS1-E through the adoption of the 5-port formula. With maximum output unchanged, the output at low and medium speeds has been successfully raised with steady engine performance.

This has made it easier to handle the 2-aluminum cylinder, 2-carburetor, high-performance Autolube engine equipped with an electric starter, which has already established a high reputation.

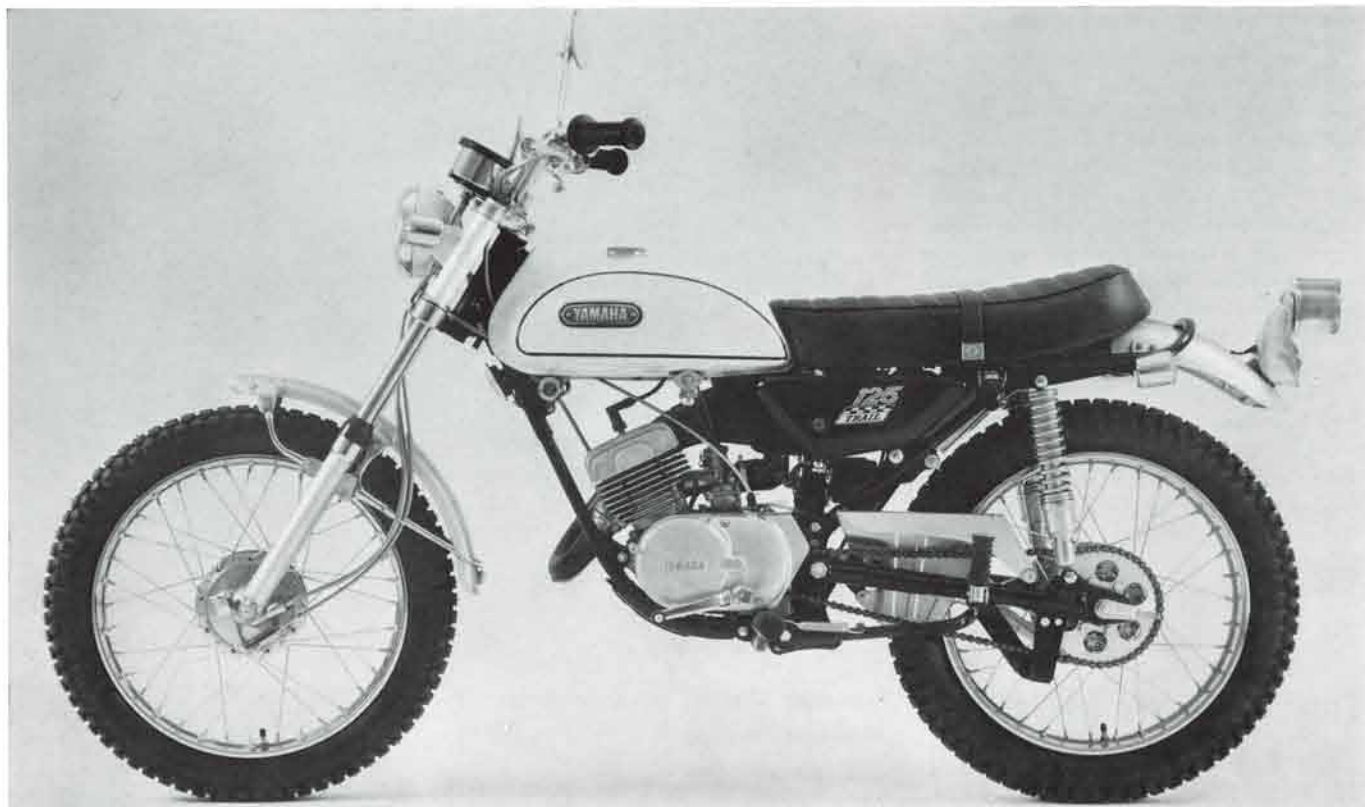


2-cylinder engine with a startling output for 180 cc class—21 HP/7, 500 rpm and 2.05 kg-m/7,000 rpm.



Main switch is placed in an easy-to-operate position. Light switches are gathered on left handle.

## Yamaha Trail 125 AT 1



### Now the Last Word in 125cc Trail!

#### To Be Put On Sale Shortly!

Yamaha Trail 125 AT 1 has made its debut as a true 125cc trail model. It is a followup to Yamaha Trail 250 DT1 which has touched off an explosive "trail boom" among the youth of the world.

It's a dependable vehicle with a wild touch, as designed on the basis of experiences with DT 1. The model's simplified mechanism giving top priority to functional excellence brilliantly exudes a clear-out, masculine individuality.

#### 5-Port White Engine

Yamaha Trail 125 AT 1 adds a new full charm to the Yamaha Trail Series of versatile motorcycles for a new age, which are capable of traveling untrodden paths—whether sandy, marshy or rocky—with reassuring power and also running in a stylish manner along paved roads of big cities. Weighing only 95 kilograms, it's easy to handle. A particular charm of the new model is that everybody can just hop onto it to enjoy a breezy trail riding.

The newly designed 2-cycle single cylinder engine of 125 AT 1, embraced by a light, strong double-cradle pipe frame and steel-sheet guard, uses highly efficient 5-port aluminum cylinder. By bringing a five-speed return-change transmission system into full play, it enables the rider to enjoy the delight of sensitive high-speed engine to his heart's content.



Impressively high ground clearance. Moreover, steel engine guard ensures safety in rough riding.



Independent tachometer and speedometer. Large-sized flasher lamp makes for safety in urban riding.



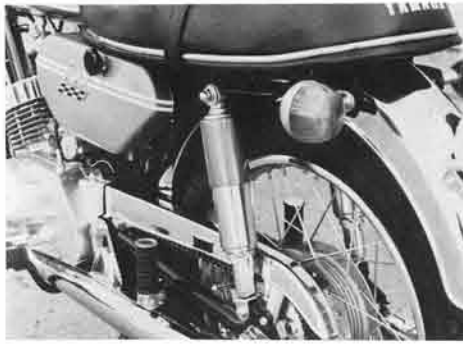
## Functional Beauty

New styling emphasizes simplicity and functional beauty befitting the new model's role as a pacemaker in an era of sportscycles.

Its style is accentuated by a white-lined teardrop gasoline tank marked by flowing curve.

Meters are separated from head lamp and tachometer has been attached to sharpen a mood of sport riding.

Wide dual seat, coupled with rear cushion incorporating three-position adjusting device, guarantees comfortable riding.



In rear cushion, spring pressure is freely adjustable in three stages.

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## Yamaha Grand Prix 350 (for export)

### 5-Port Formula Enhances Capability

Yamaha Grand Prix 350—a high-performance export vehicle representing the cream of Yamaha's techniques that have pulled off the feat of winning two classes in the World Championship Road Race—has revealed all of its enthralling details at the Tokyo Motor Show.

**36 HP, 173 km/h**

Aluminum cylinders with high cooling

efficiency have markedly enhanced the engine durability of high-speed sportscycle. And a powerful 5-port design has been newly added to the full-size 350cc two cylinder engine.

The transmission system is a constant-mesh five-speed return-change type intended to bring this largedi splacement, high-output engine into full play.

The Yamaha Grand Prix easily picks up a maximum speed of more than 170 kilometers per hour, developing 36 HP at 7,000 rpm. and 3.87 kg-m. at 6,000 rpm.



Main switch is conveniently placed between speedometer (up to 200 kilometers) and tachometer.





Yamaha's newly developed Snowmobiles are attracting a lot of spectators as well. SD-350, a deluxe type (this side) and S-350 with an engine shroud opened.



Yamaha's sensational 90 HS-1, a real 90cc sportster (left) and Yamaha Trail 125 AT-1 doubling the number of trail fans.



Yamaha's ultra-fast 180 CS2-E (left) and dynamic 350 R-3, the king of sports.