



'72 YAMAHA MOTORCYCLES

www.legends-yamaha-enduros.com

AN AMAZING SELECTION OF BETTER MACHINES

New topics for motorcycle fans!

- 7-port engine
- Torque Induction
- Styling
- Electric starter
- Disc brake

Now the world-famous YAMAHA technical staff presents the new '72 models complete with the latest engineering advances. The Street models and the Enduro models are each uniquely performance designed for the open highway or off-the-road riding. These models are thoroughly equipped to bring the rider a newer and more exciting world of motoring. Treat yourself to the new pleasures now that are found only on the new '72 YAMAHA models.

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ENDURO

It's a better machine



JT2

JT2, the machine that everybody can ride and enjoy. A really versatile small bike on the open and the highway, with large head lamp and stop lamp as standard equipment. Excellent acceleration and instant response. With young hands on the handle, the YAMAHA JT2 will surely give you every need, when camping, fishing or on a picnic.



100 LT2

Delights for versatile riders of all kinds of for the beginner and a real performer for the advanced rider at a low price. Powered by an engine equipped with the latest and best from YAMAHA's 100 cc engine that still has the same value. The new, tough, really improves engine response and efficiency. Power performance and economy. YAMAHA.



125 AT2

Right and right for a variety of pleasure from on and off the road. Powered by a high performance 7 port 2-cylinder engine that develops ample power for scampering up hills or sprinting down at 100+ mph. The entirely new 7-port engine has Torque Induction, head lamp on the device for positive fuel intake operation and positive engine cooling during the compression stroke. The cooling system is also a priority. 1.5 liter, variety, 100% and 100% variable YAMAHA.



175 CT2

United to the tradition of a long and a rugged, the CT2 by YAMAHA, continues to move out all time better by some of the most advanced features found on a motorcycle in the age. Designed to be equally at home on the road as on the open highway, this 175 cc performer is built to match or exceed any other in its class.



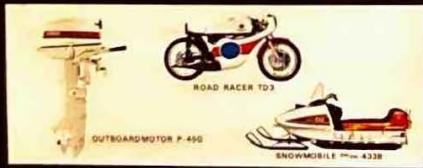
250 DT2

A pleasurable experience you'll not soon forget. The response, the power, the agile and beauty, all designed with the rider in mind. Unmatched and unmatched in its class for features and performance, the YAMAHA DT2 is a winner from its positive traction on ice to its extra large head lamp.



360 RT2

A thoroughly developed, agile, heavy-duty touring performer. The RT2 provides everything YAMAHA's 360 cc bike has to offer. It challenges you to ride in the wilderness at a much faster pace. Due to its rugged, lightweight and agile design, it's a 360 cc bike that has the heart of a big machine over the weight and size of a 360 cc bike. YAMAHA.



OUTBOARD MOTOR P-400

ROAD RACER TD3

SNOWMOBILE P-433B

FEATURES

ENDURO TYPE



The 2-cyl., 5-port design, highly efficient engine is more featured only by YAMAHA. The major built-in 7-cyl. engine have been carefully engineered not to produce any of the noise, vibration, undesirable and inefficient engines while not an efficient engine.



Double spring, adjustable rear shock absorbers (DSZ, RZ2). One spring prevents the vibration caused by minor irregularities in the road while the other spring cushions the larger shocks. The overall tension may be adjusted by the rider to any one of four positions according to the roughness of the road.



The 5 gear constant mesh transmission is completely synchronized to assure smooth, positive operation under all operating conditions. Power is retained while riding over the roughest trails, yet range enough to travel the open road at highway speeds.



The newly designed mechanism utilizes the viscous resistance of oil to dampen the road shocks and vibration which tend to torque the front wheel steering column. The oil damper increases road stability and maneuverability with its fluid smooth operation.



The Enduro front forks are built to absorb shocks from the roughest roads while maintaining stability and maneuverability. The extra large front brake has positive, dependable stopping action. The rear stop lamp illuminates when the foot brake is operated for extra safety.



Custom fuel tank where they can be read at a glance are the precision tachometer and speedometer to indicate the best engine and cycle performance for the most efficient operation. Also up front for effectiveness is the larger, brighter head lamp and turn flashes which can be seen both day and night for safe driving.

Vary according to model.



The latest and most important technological innovation from YAMAHA. Always working toward a more advanced engine, the engineers at Yamaha produced a 7-port reed valve design, the Torque Induction System. This system makes full use of intake timing and transfer port scavenging to develop a faster responding, cleaner burning engine, simply more torque is induced.

STREET TYPE



YAMAHA's 2-cyl., 5-port engine is considered to be one of the most durable in the world. Ultra-efficient burning allows clean engine operation for longer life.



The engine is equipped with YAMAHA's exclusive Automatic Oil Injection System which automatically lubricates the engine by supplying the correct amount of oil to maintain the best oil supply.



The large speedometer and tachometer are shock mounted in rubber up front where the engine operation and the speed of the machine can be determined at just a glance. Lettering is in green and white for easy viewing day or night.



The special disc and winged drum brakes on the front and rear of all models, except the XS2, are designed to perform on the roughest roads and trails. The XS2 is equipped with a big disc up front so that you'll be certain your brakes won't fade out on you when you need 'em most.



The 5 gear transmission operates quietly and smoothly. Change lever and footrest are positioned for maximum comfort and changing ease. These and other features on YAMAHA bikes point out the care and consideration that is given your riding comfort.



The head light is designed and located for maximum vision. Extra large and extra bright for safe nighttime riding. The large tail light is designed for safe driving, and the bright light assures positive recognition. Flashers and reflectors are added for extra safety.

Vary according to model.



The heart of the 660 XS2 is the powerful 4 stroke overhead cam engine. With the electric starter it is very easy to start and for extra safety, the engine may be stopped instantly with the kill switch located where it can be reached without taking the hands from the handle bars.

STREET

It's a better machine



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70 U7E

The all new U7E is the exact amount town bike, for all people for commuting or just plain fun. Destructive appointments combine with superb styling and create a real road cruiser. The smart appearance is guaranteed only by the promise of dependability and handling ease.



100 LS2

100 Street. YAMAHA LS2. Let's go out touring. The 2 stroke, 5 port pre-lean twin light is designed to satisfy. This model includes high performance features such as a smooth 5 speed transmission, Autolube and twin exhausts for beauty, dependability and operating ease.



250 DS7

This beautifully styled 250 Street DS7 includes a high performance 2 stroke 5 port engine, and precise, action 5 speed transmission. Precisely designed with a handle pipe for maximum maneuverability under all riding conditions.



60 G7S

Model G7S is the only scooter at the time for the young generation. At 60 cc, 100 cc, 150 cc with bright styling. Safety is ensured with the extra large head lamp and top lamp. Exclusively from YAMAHA.



125 AS3

The newly developed model AS3 is sharper and stronger than any in its class. Styling and design improvements have been incorporated that were previously found only on the 250 cc or larger models. The improved gasoline tank has been enlarged to 13.7 l capacity for carefree long distance touring. This model has been designed to meet or exceed your expectations of a truly great machine.



200 CS5

Action 200. YAMAHA CS5. The 5 port dual carburetor twin engine offers superior torque and handling ability built on the rugged and light weight motor. It is also designed for riding comfort with its large engine that has a wide range of power for long rides.



350 RS-C

This RS-C is a handsome, diverse sport model featuring a double cradle frame of high strength steel tubing. The 2 stroke, 5 port, high performance engine is manufactured almost entirely from aluminum alloy for lighter weight.



650 XS2

The XS2, thought big, is designed for handling ease, with electric starter, large disc brake and slender design. The large 4 stroke, SOHC, 2 cylinder engine who king in consumption with the ultra smooth 5 speed transmission demonstrates agility from the big one.

1972 Yamaha Motorcycles Specification Chart

ENDURO

MODEL	JT2	LT2	AT2	CT2	DT2	RT2
PERFORMANCE						
Max. speed range	—	58 mph plus	55 mph plus	57 mph plus	75 mph plus	83 mph plus
Climb angle	22 degrees	27 degrees	20 degrees	22 degrees	35 degrees	35 degrees
Min. turning radius	59.1 in.	82.7 in.	74.9 in.	74.8 in.	78.7 in.	78.7 in.
Min. braking distance	24.8 ft. @22 mph	48 ft. @31 mph	48 ft. @31 mph	49 ft. @31 mph	49 ft. @31 mph	48 ft. @31 mph
ENGINE						
Type	2-stroke, Rotary valve, Single Induction, Single	2-stroke, 7-port, Torque Induction, Single	2-stroke, 7-port, Torque Induction, Single	2-stroke, 7-port, Torque Induction, Single	2-stroke, 7-port, Torque Induction, Single	2-stroke, 7-port, Torque Induction, Single
Displacement	68 cc (3.54 cu. in.)	87 cc (5.32 cu. in.)	123 cc (7.51 cu. in.)	171 cc (10.43 cu. in.)	248 cc (15.07 cu. in.)	381 cc (23.28 cu. in.)
Bore & Stroke	42x42 mm (1.654x1.654 in.)	52x45 mm (2.047x1.772 in.)	55x50 mm (2.205x1.969 in.)	55x50 mm (2.165x1.969 in.)	70x54 mm (2.756x2.126 in.)	80x70 mm (3.150x2.756 in.)
Compression ratio	8.4:1	8.9:1	7.1:1	6.6:1	6.8:1	6.3:1
Max. horsepower	4.8 bhp @7,500 rpm	10 bhp @7,600 rpm	13 bhp @7,000 rpm	18 bhp @7,500 rpm	24 bhp @7,000 rpm	32 bhp @8,000 rpm
Max. torque	3.82 ft.-lb. @6,500 rpm	7.0 ft.-lb. @7,000 rpm	10.0 ft.-lb. @6,500 rpm	11.9 ft.-lb. @6,500 rpm	18.3 ft.-lb. @7,500 rpm	27.7 ft.-lb. @7,500 rpm
Lubrication system	Autolube	Autolube	Autolube	Autolube	Autolube	Autolube
Starting system	Primary kick starter	Primary kick starter	Electric & Primary kick starter	Primary kick starter	Primary kick starter	Primary kick starter
Ignition system	Magneto ignition	Magneto ignition	Battery ignition	Magneto ignition	Magneto ignition	Magneto ignition
Transmission	4-speed gearbox	5-speed gearbox	5-speed gearbox	5-speed gearbox	5-speed gearbox	5-speed gearbox
DIMENSIONS						
Overall length	62.4 in.	75.2 in.	77.2 in.	78.0 in.	82.7 in.	82.7 in.
Overall width	27.8 in.	35.4 in.	35.8 in.	38.8 in.	38.0 in.	35.0 in.
Overall height	38.8 in.	41.3 in.	42.8 in.	43.7 in.	45.7 in.	45.7 in.
Wheelbase	41.8 in.	48.8 in.	50.6 in.	50.8 in.	54.7 in.	54.7 in.
Min. ground clearance	6.9 in.	8.9 in.	6.9 in.	9.4 in.	10.0 in.	10.0 in.
WEIGHT (Dry)	132 lbs.	187 lbs.	221 lbs.	214 lbs.	258 lbs.	282 lbs.
FUEL TANK CAPACITY	1.1 gal.	1.8 gal.	1.6 gal.	1.8 gal.	2.5 gal.	2.6 gal.
OIL TANK CAPACITY	1.1 qt.	1.3 qt.	1.3 qt.	1.3 qt.	1.7 qt.	1.7 qt.
TIRES (Front)	2.50-18-4 PR	2.75-18-4 PR	3.00-18-4 PR	3.28-18-4 PR	3.25-18-4 PR	3.25-18-4 PR
TIRES (Rear)	2.80-18-4 PR	3.00-18-4 PR	3.28-18-4 PR	3.50-18-4 PR	4.00-18-4 PR	4.00-18-4 PR

STREET

MODEL	U7E	G7S	LS2	AS3	CS5	DS7	R5-C	XS2
PERFORMANCE								
Max. speed range	50-53 mph	50 mph plus	69 mph plus	75-80 mph	85 mph plus	93 mph plus	100 mph plus	115 mph plus
Climb angle	20 degrees	20 degrees	22 degrees	22.5 degrees	24 degrees	24 degrees	28 degrees	28 degrees
Min. turning radius	70.9 in.	70.9 in.	78.7 in.	82.7 in.	79.9 in.	90.6 in.	90.8 in.	98.4 in.
Min. braking distance	25 ft. @22 mph	21 ft. @22 mph	24.8 ft. @22 mph	46 ft. @31 mph	49 ft. @31 mph	46 ft. @31 mph	46 ft. @31 mph	46 ft. @31 mph
ENGINE								
Type	2 stroke, Reed valve, Single	2 stroke, Rotary valve, Single	2 stroke, Parallel Twin	2 stroke, 5 port, Parallel Twin	2 stroke, 5 port, Parallel Twin	2 stroke, 5 port, Parallel Twin	2 stroke, 5-port, Parallel Twin	4 stroke, SOHC, Parallel Twin
Displacement	72 cc (4.39 cu. in.)	73 cc (4.45 cu. in.)	97 cc (5.919 cu. in.)	124 cc (7.56 cu. in.)	195 cc (11.89 cu. in.)	247 cc (15.07 cu. in.)	347 cc (21.18 cu. in.)	553 cc (33.85 cu. in.)
Bore & Stroke	47x42 mm (1.850x1.654 in.)	47x42 mm (1.850x1.654 in.)	38x43 mm (1.496x1.693 in.)	43x43 mm (1.693x1.693 in.)	52x45 mm (2.047x1.811 in.)	58x54 mm (2.283x2.126 in.)	64x54 mm (2.520x2.126 in.)	75x74 mm (2.953x2.913 in.)
Compression ratio	8.8:1	8.8:1	7.0:1	7.0:1	7.1:1	7.1:1	6.9:1	8.7:1
Max. horsepower	4.8 bhp @8,500 rpm	4.9 bhp @7,500 rpm	10.5 bhp @8,000 rpm	15 bhp @8,500 rpm	30 bhp @7,500 rpm	33 bhp @7,500 rpm	36 bhp @7,000 rpm	53 bhp @7,000 rpm
Max. torque	4.7 ft.-lb. @8,500 rpm	4.1 ft.-lb. @8,500 rpm	8.95 ft.-lb. @7,500 rpm	9.4 ft.-lb. @8,000 rpm	15.7 ft.-lb. @7,000 rpm	21.1 ft.-lb. @7,000 rpm	28.0 ft.-lb. @6,500 rpm	40.1 ft.-lb. @6,000 rpm
Lubrication system	Autolube	Autolube	Autolube	Autolube	Autolube	Autolube	Autolube	Wet sump, Trochoid pump
Starting system	Electric & Primary kick starter	Primary kick starter	Primary kick starter	Primary kick starter	Electric & Primary kick starter	Primary kick starter	Primary kick starter	Electric & Primary kick starter
Ignition system	Battery ignition	Battery ignition	Battery ignition	Battery ignition	Battery ignition	Battery ignition	Battery ignition	Battery ignition
Transmission	3-speed gearbox	4-speed Basibox	5-speed gearbox	5-speed gearbox	5-speed gearbox	5-speed gearbox	5-speed gearbox	5-speed gearbox
DIMENSIONS								
Overall length	72.4 in.	71.3 in.	73.2 in.	75.4 in.	78.0 in.	80.3 in.	80.3 in.	85.6 in.
Overall width	25.4 in.	31.1 in.	28.5 in.	27.4 in.	32.5 in.	32.9 in.	32.9 in.	38.6 in.
Overall height	38.8 in.	39.2 in.	38.4 in.	40.4 in.	39.8 in.	42.7 in.	42.7 in.	45.9 in.
Wheelbase	48.3 in.	45.8 in.	47.2 in.	48.1 in.	49.0 in.	52.0 in.	52.0 in.	58.5 in.
Min. ground clearance	5.3 in.	5.3 in.	6.3 in.	6.3 in.	6.1 in.	5.9 in.	6.1 in.	5.9 in.
WEIGHT (Dry)	170 lbs.	173 lbs.	208 lbs.	218 lbs.	258 lbs.	304 lbs.	311 lbs.	427 lbs.
FUEL TANK CAPACITY	1.2 gal.	1.6 gal.	2.0 gal.	2.4 gal.	2.4 gal.	3.2 gal.	3.2 gal.	3.3 gal.
OIL TANK CAPACITY	1.5 qt.	1.6 qt.	1.5 qt.	1.6 qt.	2.0 qt.	2.1 qt.	2.1 qt.	2.8 qt.
TIRES (Front)	2.25-17-4 PR	2.50-17-4 PR	2.50-18-4 PR	2.50-18-4 PR	2.75-18-4 PR	3.00-18-4 PR	3.00-18-4 PR	3.50-19-4 PR
TIRES (Rear)	2.50-17-4 PR	2.50-17-4 PR	2.50-18-4 PR	2.75-18-4 PR	3.00-18-4 PR	3.25-18-4 PR	3.50-18-4 PR	4.00-18-4 PR

* Specifications subject to change without notice.

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