

DT400



 **YAMAHA**

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Outstanding quality in YAMAHA features



Speedometer and Tachometer

The overall operation and speed of the bike can be easily monitored at a glance at the large, easily-readable tachometer and speedometer. These precision instruments are shock mounted for lasting durability and are placed at an optimum location for quick viewing.

Lighting

For safe riding day or night, the lighting equipment is designed to be readily visible by other traffic and so that the rider's field of vision is as wide as possible at night. The turn signals and rear stop light brightly indicate the rider's intentions, and the instrumentation is softly back-lighted for clear nighttime viewing.



Frame

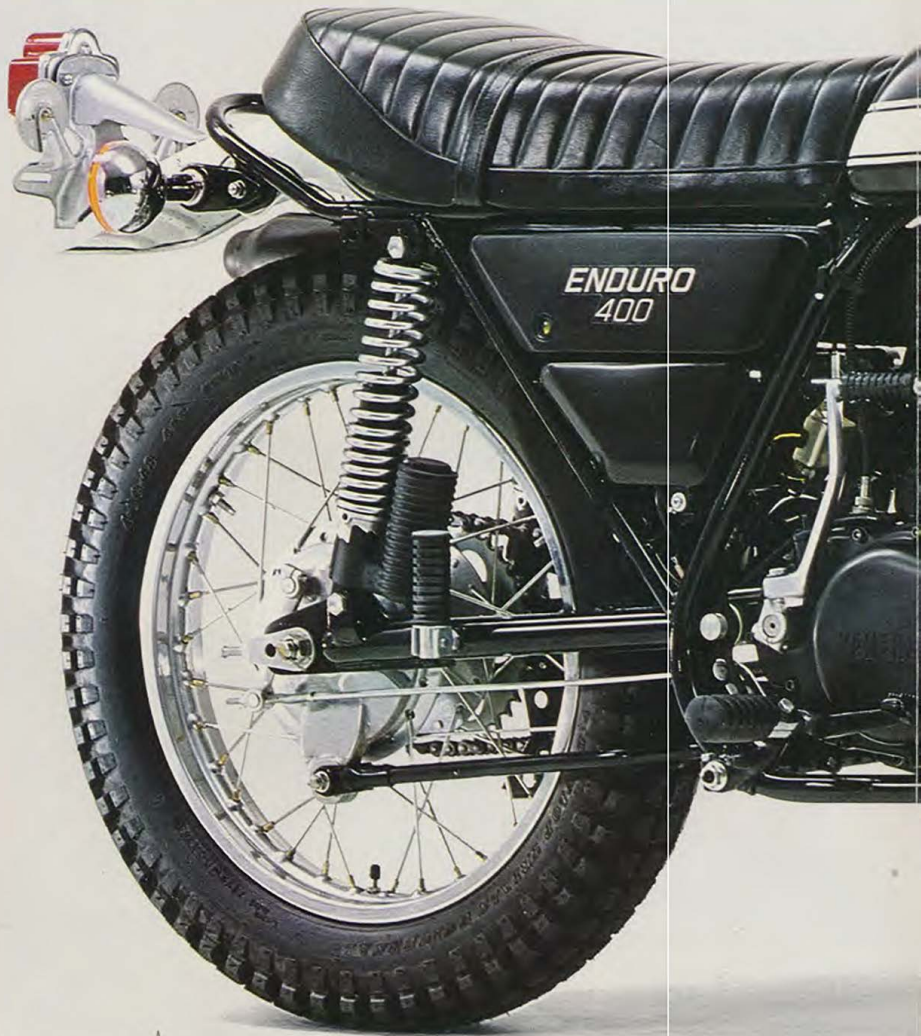
Over the roughest terrain, an off-the-road bike experiences punishment that would literally destroy even the best road machine, and at YAMAHA in order to assure dependability regardless of the condition of the trail or the amount of vibration generated by the spirited engine, a high-tensile-strength, double-cradle frame is utilized. This double-cradle design has become famous throughout the world for its ability to withstand the gruelling treatment of hill-climbing, jumping and motocross sports.

Front Forks

In order to smooth out road roughness and reduce vibration felt by the rider thereby lowering riding fatigue, this bike is equipped with ultra-responsive race type front forks. These optimum-stroke forks are specifically designed to yield the best stability while allowing maximum maneuverability.

Rear Shock Absorbers

In order to further increase the stability of the bike, the hydraulic rear shock absorbers are designed for an optimum stroke. 5-step adjustable to compensate for load, and the design assures good surface tracking ability even while carrying widely varying loads. The exterior style of the shocks lends itself to the overall good appearance of the machine.



Muffler

The muffler is routed up from the center of the engine and tucked under the seat in order to maintain the overall slender profile of the bike. This muffler is able to efficiently reduce engine noise without appreciably affecting the high performance characteristics of the engine.

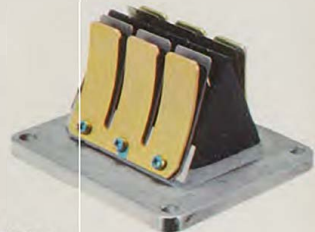
Seat

Built comfortable for the road, yet blended in with the bike lines to further promote the slim profile for maneuverability. Rugged to withstand the weather and the varying conditions of the trail, this seat is able to maintain its handsome quality with a minimum of care.

Autolube

Autolube, YAMAHA's patented oil injection system, is controlled by the engine speed and throttle opening, regulating the supply of oil from the separate oil tank to suit the driving conditions at all times resulting in great economy and a more efficient, cleaner running engine.

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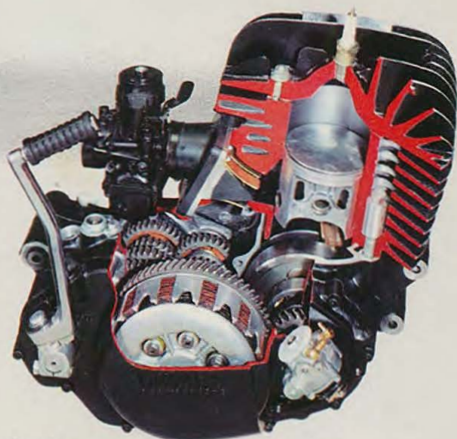


V-type Reed Valve

Employing a special stainless-steel reed-valve assembly between the carburetor and the engine, intake is positive and efficient. Operating due to pressure variations within the engine itself, the reed valves open and close on demand positively fueling the engine and preventing blow-back through the carburetor, resulting in increased torque and higher economy.

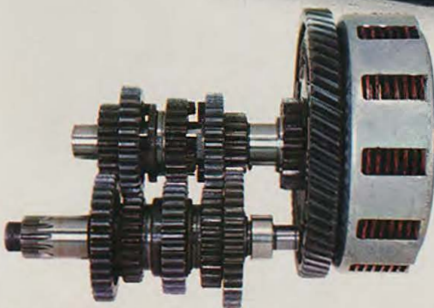


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Engine

For both on-the-road and off-the-road travel, the powerful, 2-stroke, single-cylinder engine features Torque Induction to obtain more torque in the lower and medium speed ranges thereby yielding a smooth, even response over the entire operating range of the bike. Also, the engine has an aluminum cylinder with cast-iron sleeve for durability and, coupled with the efficient head-fin design, outstanding heat-dissipating characteristics for better engine operation over rugged trails.



Transmission

Incorporating gear ratios which allow an adequate overlap in between ranges in order to maintain a power reserve for acceleration, the 5-speed transmission features positive operation for smoother bike performance and easier handling. Also, the gears are subjected to special heat treatment, yielding exceptionally hard bearing surfaces for longer durability even under repeated hard use.

Tires

Selected especially to give maximum traction under off-the-road conditions, these tires feature a heavy-duty, multi-ply rating and a knobby design. Also, they are able to withstand the shocks and impacts from jumping and hill climbing while being able to maintain good stability for excellent control.

Drum Brake

Utilizing YAMAHA's unique labyrinth-seal, double-ridge design, this 160-mm dia. drum brake is not affected by wet or dusty surface conditions. Also, the shoe area is constructed for optimum contact so that maximum control is maintained without grabbing. With this brake, controlled stops are assured even under emergency conditions.

Built for the true adventurer who likes pleasure and excitement on a grand level



Thoroughly designed to incorporate the best for both on-the-road and off-the-road use, the husky DT400 isn't built for just anyone... crack the throttle on this bike, and you'd better be prepared to hang on. The large, 397-cc., 2-stroke, single engine with Torque Induction is able to feed 2.8 kg-m of torque to the rear wheel at 4500 rpm; more than enough to get the heaviest rider up a 35-degree grade without strain. And the slim profile facilitates superb maneuverability regardless of the trail conditions.

Out on the open road, the DT400 can, if you're willing, operate in excess of 130 km/h. An ideal power train is responsible for this. The engine power is efficiently coupled through a positive-action, constant-mesh, 5-speed transmission that has an extended range ability from walking speeds to highway travel; there's no need for the bike to be trailered to where the fun is.

SPECIFICATIONS

PERFORMANCE

Max. speed range 130 km/h
 Climbing ability 35°
 Min. turning radius 2,000 mm
 Min. braking distance 15 m @50 km/h

ENGINE

Type 2-stroke, Torque Induction, Single
 Displacement 397 cc
 Bore & Stroke 85 x 70 mm
 Compression ratio 6.4 : 1
 Max. horsepower

(S.A.E. net) 20 bhp @5,500 rpm
 Max. torque 2.80kg-m @4,500 rpm
 Lubrication system A utolube
 Starting system Primary kick
 Transmission 5-speed gearbox

DIMENSIONS

Overall length 2,150 mm
 Overall width 870 mm
 Overall height 1,140 mm
 Wheelbase 1,420 mm
 Min. ground clearance 220 mm

WEIGHT (net) 125 kg

FUEL TANK CAPACITY 9 lit.

OIL TANK CAPACITY 1.5 lit.

TIRES front 3.00-21-4PR

rear 4.00-18-4PR

* Specifications subject to change without notice.

YAMAHA, It's a way of life



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