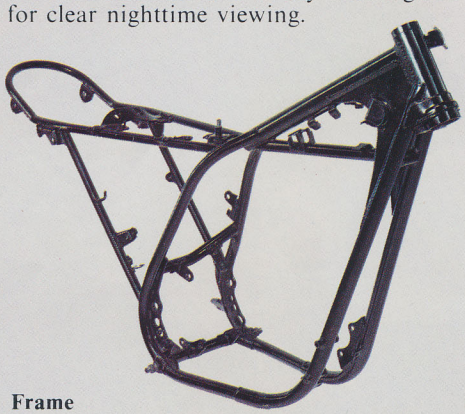
DT175

YAMAHA

Performance designed with exceptional quality

Speedometer and Tachometer
The overall operation and speed of the bike can be easily monitored by 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.

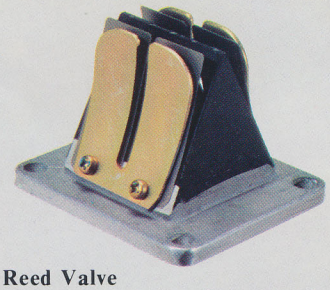
Front Forks
In order to smooth out road roughness and reduce vibration felt by the rider thereby lowering riding fatigue, this bike is equipped with ultra-responsive race type front forks. These optimum-stroke forks are specifically designed to yield the best stability while allowing maximum maneuverability.

Rear Shock Absorbers
In order to further increase the stability of the bike, the hydraulic rear shock absorbers are designed for an optimum stroke. 3-step adjustable to compensate for load and road conditions, the design assures good surface tracking ability even while carrying widely varying loads, and the exterior style of the shocks lends itself to the overall good appearance of the machine.

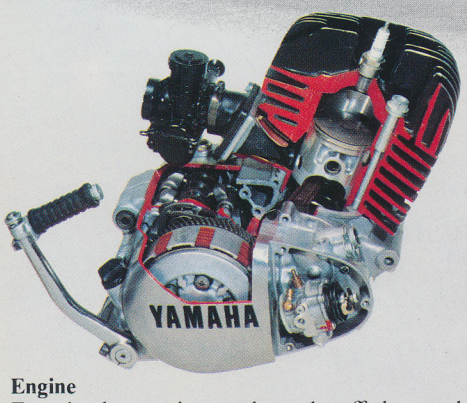
Muffler
The muffler is routed up from the center of the engine and tucked under the seat in order to maintain the overall slender profile of the bike. This muffler is able to efficiently reduce engine noise without appreciably affecting the high performance characteristics of the engine.

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.

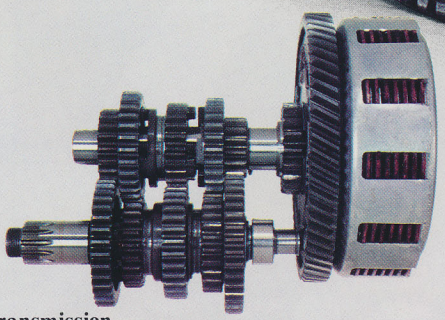
Autolube
Autolube, YAMAHA's patented oil injection system, is controlled by the engine speed and throttle opening, regulating the supply of oil from the separate oil tank to suit the driving conditions at all times, resulting in great economy and a more efficient, cleaner running engine.



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 valve open and close on demand, positively fueling the engine and preventing blow-back through the carburetor, resulting in increased torque and higher economy.



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.

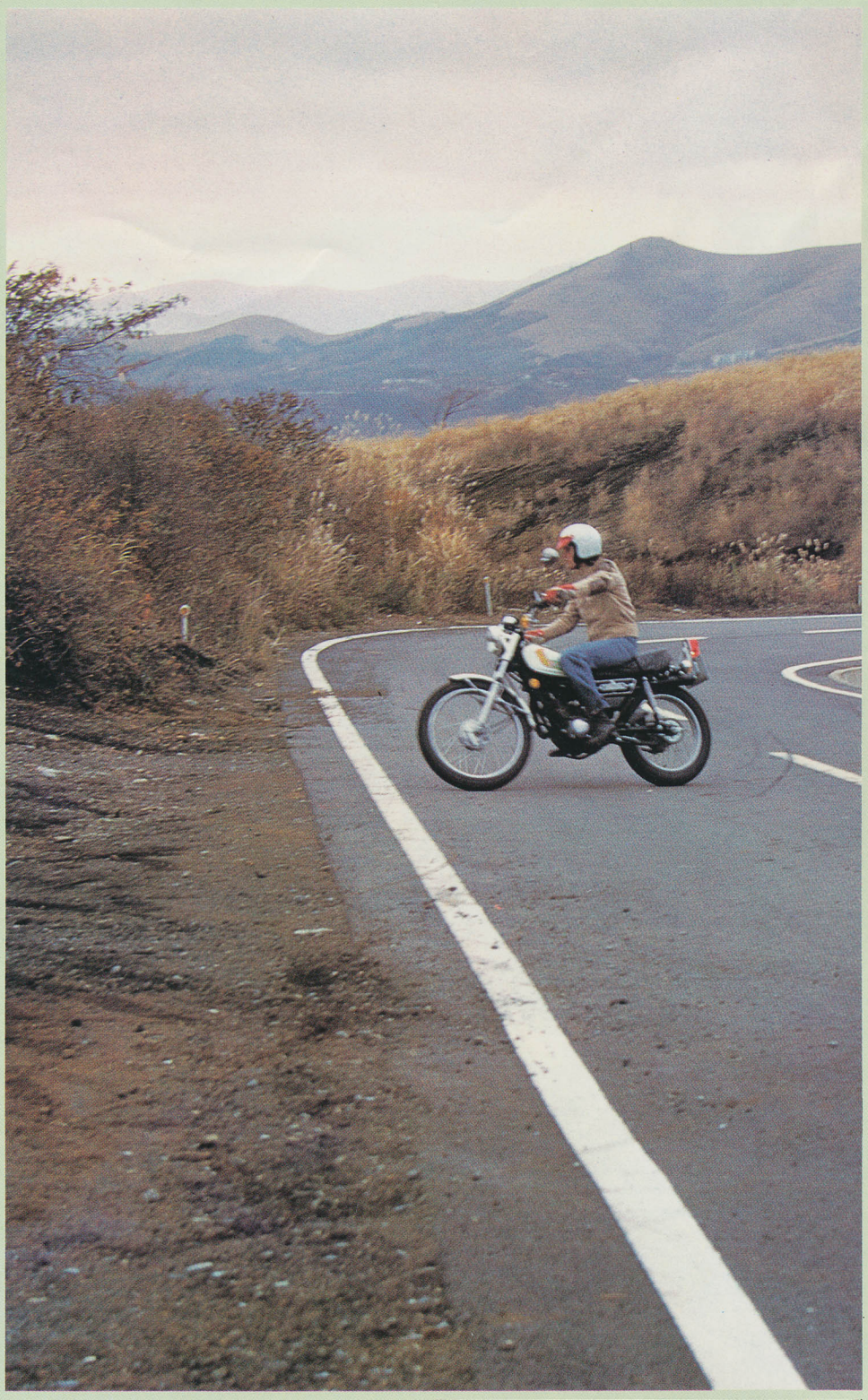


Transmission
Incorporating gear ratios which allow an adequate overlap in between ranges in order to maintain a power reserve for acceleration, the 5-speed transmission features positive operation for smoother bike performance and easier handling. Also, the gears are subjected to special heat treatment,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

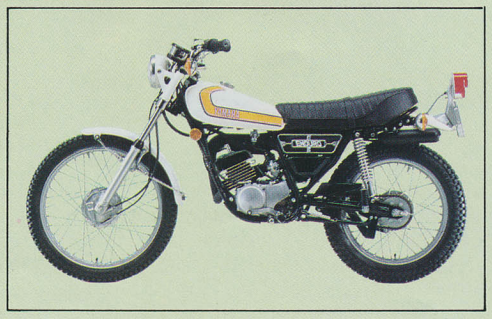
Tires
Selected especially to give maximum traction under off-the-road conditions, these tires feature a heavy-duty, multi-ply rating and a knobby design. Also, they are able to withstand the shocks and impacts from jumping and hill climbing while being able to maintain good stability for excellent control.

Drum Brake
Utilizing YAMAHA's unique labyrinth-seal, double-ridge design, this 130-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.

Championship development for better overall performance



Taking advantage of the wealth of information gained around the world from championship road-race and motocross tracks, research and development at YAMAHA is able to pass on the best to their production Trail machines. These championship advantages can readily be seen in the new YAMAHA DT175 with its 2-stroke, 7-port, Torque Induction engine that is able to quickly and smoothly respond across the entire operational band, the slim profile with high ground clearance and low center of gravity for optimum balance and maneuverability, the extra-durable motocross-type frame which can withstand the punishment of the most rugged off-the-road travel, and the precision 5-speed transmission that efficiently allows the bike to be ridden equally as well over rough trails as down an open country road. Championship development in the YAMAHA DT175 Trail means quality and performance ability... but most of all, it means you're riding the very best.



SPECIFICATIONS

PERFORMANCE

Min. turning radius ..... 2,100 mm

ENGINE

Type ..... 2-stroke, Torque Induction, Single
Displacement ..... 171 cc
Bore & Stroke ..... 66 × 50 mm
Compression ratio ..... 6.2 : 1
Max. horsepower
(S.A.E. net) ..... 16 bhp @6,500 rpm
Max. torque ..... 1.82 kg-m @6,000 rpm
Lubrication system ..... Autolube
Starting system ..... Primary kick
Transmission ..... 5-speed gearbox

DIMENSIONS

Overall length ..... 2,030 mm
Overall width ..... 860 mm
Overall height ..... 1,090 mm
Wheelbase ..... 1,340 mm
Min. ground clearance ..... 255 mm
WEIGHT (net) ..... 100 kg
FUEL TANK CAPACITY ..... 7 lit.
OIL TANK CAPACITY ..... 1.2 lit.
TIRES front 2.75-21-4PR
rear 3.50-18-4PR

** Specifications subject to change without notice.*

YAMAHA, It's a way of life

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