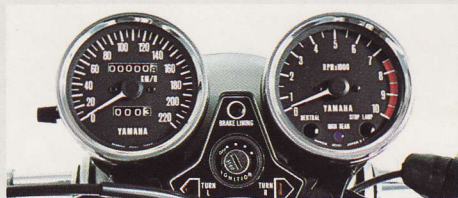


XS650



Quality components for exceptional performance

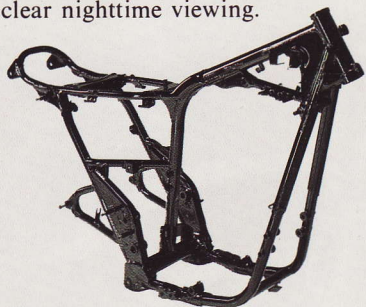


Instrument Panel

Mounted above the headlight for easy visibility, the functional instrument panel contains a rear brake lining warning light and turn signal indicator lights. The precision tachometer and speedometer are shock mounted for durability and are easily readable even at night giving the rider exact information at a glance.

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

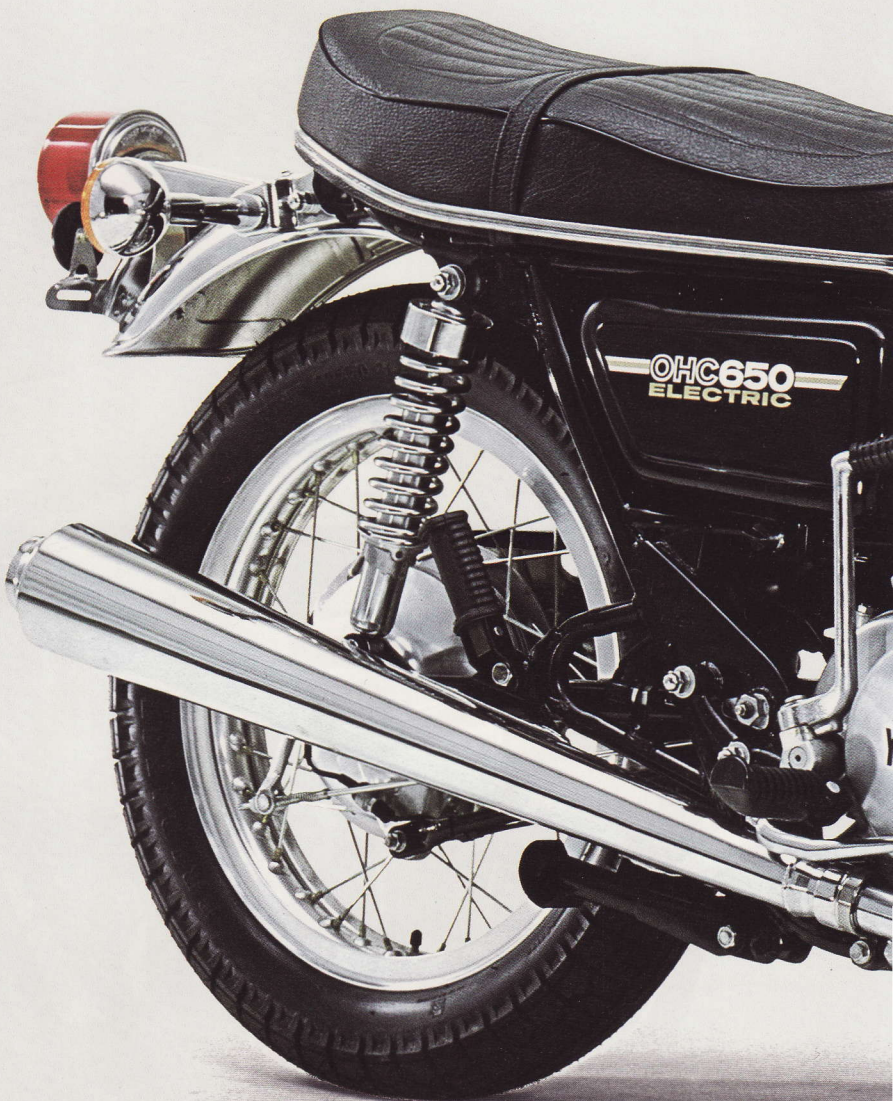
In order to give the bike better dynamic stability, the high-tensile-strength, double-cradle frame carries the engine low and forward. This tubular-steel frame is also designed to be able to withstand twisting, turning and impact stresses that are incurred on the roughest of roads so that the bike will be able to offer dependability regardless of the road conditions.

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, and the exterior style of the shocks lends itself to the overall good appearance of the machine.



Seat

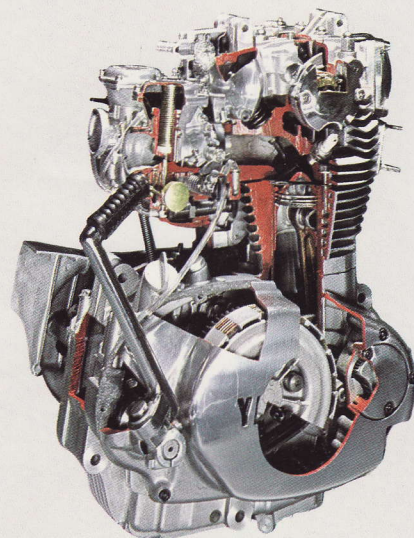
The wide seat is extra comfortable to help reduce riding fatigue when the bike is ridden continuously for long periods. Positioned for the best riding posture, the seat blends in with the dynamic lines of the machine, and for lasting durability, the cover of the seat is weatherproof.

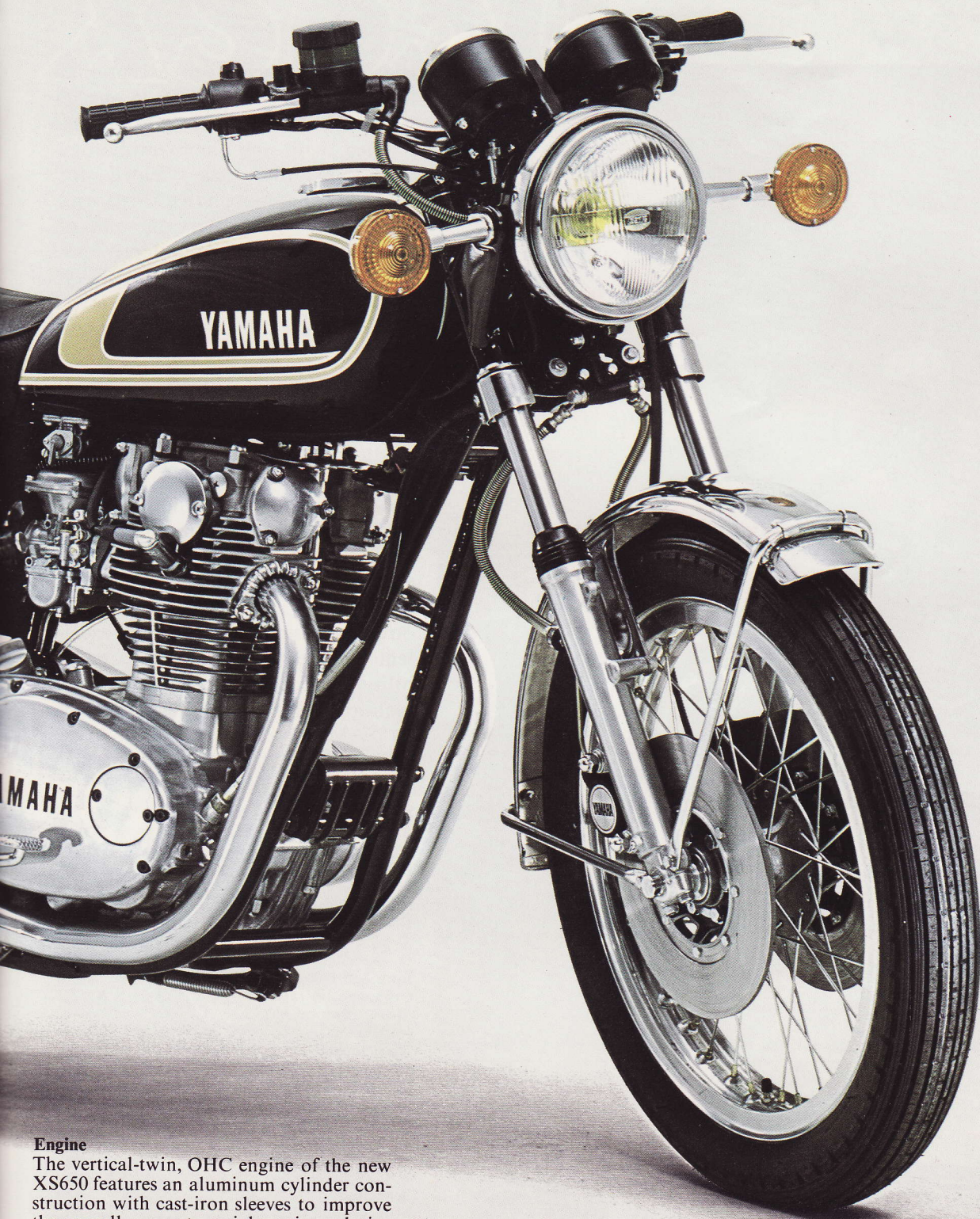
Electric and Primary-Kick Starters

The machine is equipped with an electric starter motor for easy operation. This convenience feature is supplemented by a primary kick starter which is able to start the bike in any gear without searching for neutral.

Lubrication System

Utilizing a highly efficient trochoid pumping system, oil from the crankcase is sent to the rocker arms and cam assembly while the crankshaft and piston assemblies are splash lubricated by the return flow. This wet-sump system is noted for its positive operation and high efficiency.



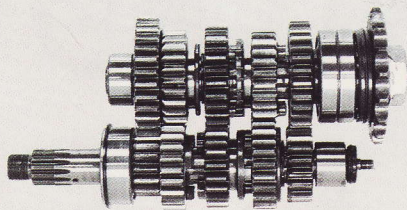


Engine

The vertical-twin, OHC engine of the new XS650 features an aluminum cylinder construction with cast-iron sleeves to improve the overall power-to-weight ratio and give the engine excellent heat-dissipating characteristics. Also, the materials used for the valve-seat alloy allow the use of non-leaded fuel for further durability. The twin diaphragm carburetors assure positive throttle response and excellent breathing across the entire power range of the engine. And the pressure-fed, wetsump lubrication system assures that all moving parts are adequately lubricated for a longer, more dependable engine life.

Carburetors

For extra-smooth throttle response over the entire power band of the engine, the twin diaphragm 38-mm dia. carburetors are able to consistently feed the engine a proper mixture of air and fuel depending on the throttle opening and the speed of the engine.



Transmission

Incorporating 5 gear ratios which allow an adequate overlap in between ranges in order to maintain a power reserve for acceleration, the 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

The heavy-duty, multi-ply-rated tires are exceptionally strong to withstand all road conditions. These tires are selected to allow the most efficient traction while being able to maintain maximum stability and offer excellent maneuverability.

Double Disc Brake

To absolutely assure that this big bike will be able to slow down and stop safely from the high speeds it is capable of, there are two large stainless steel 298-mm dia. discs mounted on the front wheel. Hydraulically operated and featuring double-piston type calipers, this double-disc brake will not fade under hard, repeated operation and it is not affected by either water or dust.

Where performance is paramount and pleasures are virtually perfect



Big, yet balanced for exceptional handling ease, the XS650 is one of YAMAHA's leading street machines. Crafted with the same technology and care that has yielded for YAMAHA consecutive victories over the past few years on some of the world's most formidable tracks, the XS650 is powered by a husky, 4-stroke, overhead-cam, parallel-twin engine with twin diaphragm carburetors for smooth operation and near-instant response.

The new XS650 features a durable design headlined by a sturdy double-cradle frame that is well-known for its ability to withstand the stresses and strains of continuous riding, special valve-seat alloy materials allowing the use of non-leaded fuel and aluminum cylinders with cast iron sleeves giving the bike a high power-to-weight ratio and an excellent engine-heat dissipation capability. Discover the real essence of mobile quality, ride the new XS650 by YAMAHA.

SPECIFICATIONS

PERFORMANCE

Max. speed range 180 km/h
 Climbing ability 26°
 Min. turning radius 2,500 mm
 Min. braking distance 14 m @ 50 km/h

ENGINE

Type 4-stroke, Parallel Twin, OHC
 Displacement 653 cc
 Bore & Stroke 75 x 74 mm
 Compression ratio 8.4 : 1
 Max. horsepower
 (S.A.E. net) 50.1 bhp @ 7,200 rpm
 Max. torque 5.35 kg-m @ 6,000 rpm
 Lubrication system Wet sump
 Starting system Primary Kick & Electric
 Transmission 5-speed gearbox

DIMENSIONS

Overall length 2,175 mm
 Overall width 835 mm
 Overall height 1,135 mm
 Wheelbase 1,435 mm
 Min. ground clearance 135 mm

WEIGHT (net) 215 kg

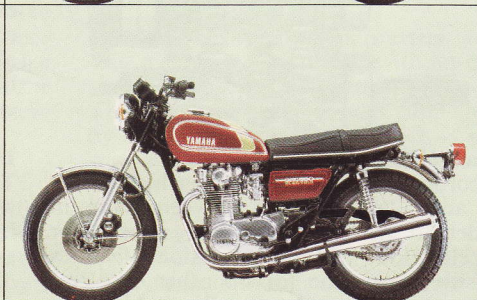
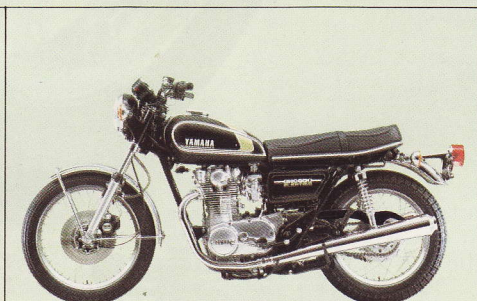
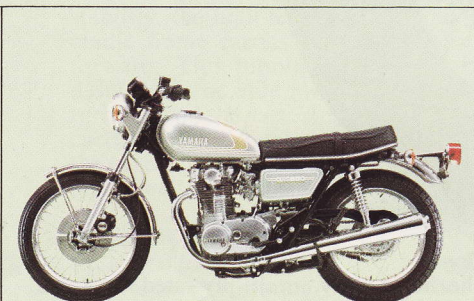
FUEL TANK CAPACITY 15 lit.

OIL TANK CAPACITY 2.5 lit.

TIRES front 3.25H19-4PR

rear 4.00H18-4PR

* Specifications subject to change without notice.



YAMAHA, It's a way of life



YAMAHA MOTOR N. V.

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