

DUCATI



90^{cc} Cadet

FAN - COOLED



2 stroke

Timing by crossed lights

Fuel consumption:

1 gall. per 102 M

Maximum speed:

56 MPH

3 speed gearbox

**LIGHT - WEIGHT
MOTORCYCLE**

1965

BERLINER MOTOR CORPORATION

Railroad Street and Plant Road,
Hasbrouck Heights, New Jersey - U.S.A

DUCATI MECCANICA S.p.A. Bologna (Italy)

PRINTED IN ITALY

SPECIFICATIONS

ENGINE

2-stroke

Single-cylinder, inclined 25° made of special nickel-cast-iron, deeply finned

Light alloy head, with hemispherical combustion chamber, lightly finned

Bore mm, 49 - Stroke mm, 46 - Displacement cc, 86,744

Compression ratio 8.5:1

Ignition advance 16°-18°

Maximum output: 6 HP at 7,000 r.p.m.

Carburettor Dell'Orto US 18 S with air filter F 35/1 - union 1705 - distance piece 3038

Forced air cooling through the flywheel blower

6% mixture lubrication for the engine; in oil-bath for the gearbox and the clutch

Ignition by 6 V - 30 W magnet flywheel and outer H.T. coil

Sparking plug Marelli CW 260 N, Beru 260-14, KLG F-100

Lighting by magnet flywheel, 2 light front headlamp, tail light with stop, horn, mile-speedometer inserted in the front headlamp

Transmission: from engine to gearbox, by gears; from gearbox to wheel, by chain with special cushion drive

Gearbox in unit with the engine; 3 speeds, gears in constant mesh

Movable operating handgrip in unit with the clutch operating one

Kick starter

Clutch: multi-plate discs running in oil bath

FRAME

Double cradle in highly resistant steel tubing, built on very smart lines

Front suspension: telescopic fork with springs in oil bath

Rear suspension: with swinging fork and uncovered spring half-hydraulic shock-absorbers

Single seat saddle - Voluminous tool-box

With 2 central stands, foot-rests for the pillion, rear parcel-holder

Spoke-wheels, chromium steel rims with normal profile 2" x 18" with detachable axles

Expanding brakes: front, hand operated; rear, foot brake

Drums diameter: 118 mm.

Tyres: front, 2 1/4" x 18" ribbed; 2.50" x 18" with block tread, the rear one

Inflating pressure: front wheel, 1.75 kg/cm²; rear wheel, 2.25 kg/cm²

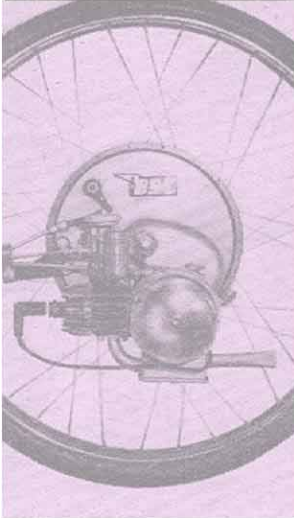
DIMENSIONS

Wheel base	mt.	1.160
Maximum length	mt.	1.810
Maximum height	mt.	1.000
Maximum width	mt.	0.660
Height at saddle	mt.	0.750
Weight (unladen)	Kg.	66.000 (lbs 145)
Oil sump capacity	Kg.	0.300 (lts. 0.360)
Mixture tank holds	lt.	11.600

PERFORMANCE

Maximum speed	Km/h.	90.— (approx. MPH 56)
Consumption per 100 kms.	lt.	2.2 (MPG 102 approx).

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