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MOTO MORINI
BOLOGNA

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CIRCULAR LETTER N° 1/75

FOR THE ATTENTION OF OUR CONCESSIONARY AGENTS
Head Offices

REFERENCE: the new 125

We have the pleasure of presenting you the main features of the new 125.

ENGINE

Four-stroke single-cylinder engine - Bore and stroke 59 mm
x 45 mm - Displacement 122,96 - Maximum permissible throttle
speed 9700 - Taxable horsepower 2 HP - Average speed of
piston at 9000 revolutions 13,5 m/sec. - Rod timing and rocker
with camshaft driven by a positive toothed belt in special
highly resistant rubber - Flat head with parallel valves and
high-swirl-type suction and exhaust pipes - Double-compression
explosion chamber worked into piston crown - Compression ratio
11,7:1 - HP DIN 13,75 - HP SAE 15,3 - Maximum power 9000 revolutions
Specific power output HP/litre DIN 111 SAE 124 - Maximum torque
Kgm DIN 1,21 SAE 1,35 - Maximum torque 7000 r.p.m. - One-piece
crankshaft in high tensile forged steel - Forked connecting rod -
Big-end friction bearings in steel/tin alloy - Crankshaft ball
bearings - Dellorto VHB 24 BS carburettor - Filter box with
filtering element - Pressure lubrication by means of gear pump
with worm drive and helical gear, controlled by crankshaft -
Valve for automatic regulation of oil pressure - Oil filter
strainer in crankcase sump - Capacity of crankcase sump 2 litres -
Recommended oil Castrol GTX - Helical gear primary drive, ratio
1:2,84 - Multiple-disk wet (oil bath) clutch with 5 plates -
6-speed enbloc gearbox, quick gear changes - Gear ratios: 1st
gear 1:3,2, 2nd gear 1:2,0, 3rd gear 1:1,470, 4th gear 1:1,210,
5th gear 1:1,047 and 6th gear 1:0,954 - 1/2x5/16 chain secondary
drive - Sprocket Z = 14 - Ring gear Z = 49, with flexible
rubber coupling on hub - 6 volt/50 watt current generator with

122,96 cc

2 klepp.

with as
an piece
solenoid

comp. r. m.
11,7:1

15,3 hp

9000 r.p.m.

1 dell'orto
carburettor

main drive
transmission

main drive
plate

6 speed
gearbox

1/2x5/16
chain