

## CARATTERISTICHE GENERALI General features

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#### DIMENSIONI, PESO, CAPACITA' / Dimensions, weight, capacities

INTERASSE / Wheelbase	.....mm/in.	.....1375 / 54.1
LUNGH.TOTALE / Overall length	.....mm/in.	.....1980 / 77.9
LARGH. MAX. / Overall width	.....mm/in.	.....760 / 29.9
ALTEZZA MAX. / Overall height	.....mm/in.	.....1070 / 43.3
ALTEZZA SELLA (PILOTA) / Seat height (driver)	.....mm/in.	.....760 / 29.9
ALTEZZA MIN.DA TERRA / Min. ground clearance	.....mm/in.	.....150 / 5.9
AVANCORSA / Trail	.....mm/in.	.....98 / 3.8

PESO A SECCO / Dry weight .....Kg/lb. ....129 / 284.4

#### CAPACITA' SERBATOIO CARBURANTE /

Fuel tank capacity	.....l	.....14
	U.S. Gallons	.....3.7
	Imp. Gallons	.....3.1

#### Q.TA' OLIO NEL BASAMENTO /

Transmission oil	.....l	.....0,8
	U.S. Quarts	.....0,84
	Imp. Quarts	.....0,7

#### Q.TA' REFRIGERANTE /

Coolant amount	.....l	.....1,5
	U.S. Quarts	.....1,58
	Imp. Quarts	.....1,31

## MOTORE / Engine

### CARATTERISTICHE / Characteristics

#### TIPO / Type

MONOCILINDRICO 2 TEMPI /  
Single cylinder, two stroke

ALESAGGIO / Bore	.....mm/in.	.....56 / 2.2
CORSA / Stroke	.....mm/in.	.....50,6 / 1.99
CILINDRATA TOTALE / Total displacement	.....cm <sup>3</sup> /cu.in.	.....124,63 / 7.6
RAPPORTO DI COMPRESIONE (A LUCI CHIUSE) / Compression ratio (closed ports)	.....	.....7,4:1

AVVIAMENTO / Starting .....ELETTRICO / Electric

RAFFREDDAMENTO / Cooling .....A LIQUIDO / Liquid cooled

### DISTRIBUZIONE / Timing system

#### TIPO / Type

VALVOLA LAMELLARE IN ASPIRAZIONE, VALVOLA "C.T.S." A  
COMANDO ELETTRONICO SULLO SCARICO /  
Intake reed valve and "C.T.S." valve with electronic control  
on the exhaust port

### DIAGRAMMA DISTRIBUZIONE / Timing

SCARICO / Exhaust	.....	.....188°
ASPIRAZIONE / Intake	.....LAMELLARE / Reed valve	
TRAVASO / Transfer	.....	.....124°

### LUBRIFICAZIONE / Lubrication

MOTORE / Engine

MEDIANTE MISCELATORE AUTOMATICO /  
By an automatic mixer

### CAMBIO - TRASMISSIONE PRIMARIA /

Transmission - primary drive

MEDIANTE L'OLIO CONTENUTO NEL BASAMENTO /  
By the oil contained in the crankcase

### Q.TA' OLIO NEL BASAMENTO /

Oil the tank	.....l	.....0,8
	U.S. Quarts	.....0,88
	Imp. Quarts	.....0,7

### ACCENSIONE / Ignition

TIPO / Type

ELETTRONICA A SCARICA CAPACITIVA CON ANTICIPO VARIABILE /  
C.D.I. with variable spark advance

ANTICIPO ACCENSIONE / Spark advance

(CORSIA PISTONE) / (Piston stroke) .....1,6 P.P.M.S./0,063 B.T.D.C.

TIPO CANDELA / Spark plug type .."CHAMPION" QN84/"NGK" BR 9EG"

DISTANZA ELETTRODI /

Spark plug gap .....mm/in .....0,6 / 0.0236

GENERATORE / Generator

### ALIMENTAZIONE / Fuel system

MARCA E TIPO CARBURATORE / ELETTRONICO

Carburetor manufacturer and electric type ..... "DELL'ORTO" VHST

DIAMETRO DIFFUSORE / Venturi diameter .....mm/in. ....28 / 1.10

### CONTROLLO EMISSIONI INQUINANTI / Emission control

SCARICO CATALIZZATO / Catalyzed exhaust system

### FRIZIONE / Clutch

TIPO / Type

MULTIDISCO IN BAGNO D'OLIO CON COMANDO MECCANICO /  
Wet, multiplate type; mechanical release system

N° DISCHI CONDUTTORI / Driving disc no .....7

N° DISCHI CONDOTTI / Driven disc no .....6

### TRASMISSIONE PRIMARIA / Primary drive

PIGNONE MOTORE / Primary drive sprocket .....Z/Teeth .....22

CORONA FRIZIONE / Primary drive sprocket .....Z/Teeth .....72

RAPPORTO DI TRASMISSIONE / Transmission ratio .....3,273

### CAMBIO VELOCITA' / Transmission

TIPO / Type

6 MARCE CON INGRANAGGI SEMPRE IN PRESA /  
6 gears - constant mesh gear type

### RAPPORTI DI TRASMISSIONE / Internal ratios

.....	.....1 <sup>a</sup> /1st	.....2,727 (30/11)
.....	.....2 <sup>a</sup> /2nd	.....1,857 (26/14)
.....	.....3 <sup>a</sup> /3rd	.....1,353 (23/17)
.....	.....4 <sup>a</sup> /4th	.....1,095 (23/21)
.....	.....5 <sup>a</sup> /5th	.....0,956 (22/23)
.....	.....6 <sup>a</sup> /6th	.....0,864 (19/22)

# MITO SP525

## TRASMISSIONE SECONDARIA / Secondary drive

PIGNONE USCITA CAMBIO /  
Secondary transmission sprocket .....Z/Teeth .....14  
CORONA POSTERIORE /  
Rear wheel sprocket .....Z/Teeth .....43  
RAPPORTO DI TRASMISSIONE /  
Transmission ratio .....3,071

CATENA DI TRASMISSIONE / Driving chain

MARCA E TIPO / Manufacturer and type ...."REGINA" 135RL-5/8"x1/4";  
....."TAKASAGO" 520 TZ 5/8"x1/4"

## RAPPORTI TOTALI DI TRASMISSIONE / Overall ratios

.....1<sup>a</sup>/1st .....24,227  
.....2<sup>a</sup>/2nd .....16,497  
.....3<sup>a</sup>/3rd .....12,018  
.....4<sup>a</sup>/4th .....9,729  
.....5<sup>a</sup>/5th .....8,497  
.....6<sup>a</sup>/6th .....7,672

## MOTOTELAIO / Chassis

### TELAIO / Frame

TIPO / Type  
BITRAVE CON TRAVI ESTRUSE E PARTI FUSE IN ALLUMINIO /  
Aluminium double extruded beam with cast head pipe and rear plates

### SOSPENSIONE ANTERIORE / Front suspension

TIPO / Type  
FORCELLA TELEIDRAULICA A STELI ROVESCIA TI /  
"Upside-Down" telescopic hydraulic fork  
Ø STELI / Fork legs dia. ....mm/in. ....40 / 1.57  
CORSA RUOTA /  
Wheel travel .....mm/in. ....120 / 4.72  
MARCA FORCELLA /  
Front fork manufacturer ..... "MARZOCCHI"

### SOSPENSIONE POSTERIORE / Rear suspension

TIPO / Type  
PROGRESSIVA CON MONOAMMORTIZZATORE  
IDRAULICO; PRECARICO MOLLA REGOLABILE /  
Progressive with hydraulic shock absorber/ adjustable spring preload  
CORSA RUOTA / Wheel travel .....mm/in. ....133,5 / 5.25  
MARCA AMMORTIZZATORE /  
Shock absorber manufacturer ..... "SACHS"

### FRENO ANTERIORE / Front brake

MARCA E TIPO / Manufacturer and type  
DISCO "BREMBO" FLOTTANTE CON PINZA FISSA "BREMBO" A 4  
PISTONCINI / "BREMBO" Floating disk with four pistons "BREMBO" caliper  
Ø DISCO / Disc dia. ....mm/in. ....320 / 12.59

### FRENO POSTERIORE / Rear brake

MARCA E TIPO / Manufacturer and type  
A DISCO SINGOLO FISSO CON PINZA "BREMBO"  
Single disk with "BREMBO" caliper  
Ø DISCO / Disc dia. ....mm/in. ....230 / 9.05

### RUOTA ANTERIORE / Front rim

MATERIALE / Material .....LEGA LEGGERA / Light alloy  
DIMENSIONI / Size .....3,00"x17"

### RUOTA POSTERIORE / Rear rim

MATERIALE / Material .....LEGA LEGGERA / Light alloy  
DIMENSIONI / Size .....4,00"x17"

### PNEUMATICO ANTERIORE / Front tire

DIMENSIONI / Size .....110 x 70 ZR 17

### PNEUMATICO POSTERIORE / Rear tire

DIMENSIONI / Size .....150 x 60 ZR 17

## IMPIANTO ELETTRICO / Electrical equipment

TENSIONE IMPIANTO / Voltage .....12V

POTENZA LAMPADE / Lamps wattage

FANALE ANTERIORE / Head light .....2 x 55 W  
LUCE DI POSIZIONE / Pilot light .....2 x 5 W  
FANALE POSTERIORE / Tail light .....2 x 5 W  
LUCE STOP / Stop light .....2 x 21 W  
INDICATORI DIREZIONE / Turn signals .....10 W  
ILLUMINAZIONE STRUMENTI /  
Instruments light .....1,2/2 W  
SPIE / Warning light .....1,2 W - 3W

BATTERIA / Battery .....12 V-9Ah