



VM 125			
MANUFACTURER	Vm Motor	Vm Motor	Vm Motor
MODEL	125 M 02/B	125 M 02	125 M 01
HOMOLOGATION	2007-2015 53/M/15	2004-2009 11/M/09	2001-2009 256/M/09
INDUCTION	Reed	Reed	Reed
COOLING	Liquid	Liquid	Liquid
DIAMETER X STROKE - MM	53.99x54.50	53.99x54.50	53.99x54.50
DISPLACEMENT - CM3	124.77	124.77	124.77
COMBUSTION CHAMBER VOL. - CM3 (WITH HOMOLOGATED INSERT FULL)	13	13	13
COMPRESSION RATIO	12.34	12.34	12.34
SQUISH (HEIGHT MIN.) - MM	1.15-1.20	0.85	0.85
CONROD (LENGTH) - MM	110	110	110
PISTON (N. OF SEGMENTS/SEGMENT HEIGHT/PIN A) - MM	1-1-15	1-1-15	1-1-15
PISTON/CYLINDER ALLOWANCE - 1/100 MM	6-7	6-7	6-7
DRIVING SHAFT AXIAL CLEARANCE - 1/100 MM	20-30	20-30	20-30
CONROD BEARING RADIAL CLEARANCE - 1/100 MM	3.5	3.5	3.5
TIMING (DEGREES) - °			
INDUCTION (BEFORE/AFTER TDC)	/	/	/
CENTRAL TRANSFER	130	130	130
LATERAL TRANSFER (MAIN - NEAR EXHAUST /SECONDARY)	127	127	127
EXHAUST	194	194	194
CLUTCH, N. DISCS	dry, 5 + 4	dry, 5 + 4	dry, 5 + 4
GEAR, N. RATIO	6	6	6
IGNITION	Pvl	Pvl	Pvl
ADVANCE - MM	1.4	1.6	1.6
SPARK PLUG (MAKE)	Ngk B10EG or Brisk L10S	Ngk B10EG or Brisk L10S	Ngk B10EG or Brisk L10S
MIXTURE (TYPE OR MAKE OF OIL) - %	3.5, Elf HTX 976	3.5, Elf HTX 976	3.5, Elf HTX 976
POWER - KW @P/RPM	Not available	Not available	Not available
TORQUE - NM (KGM)/RPM	Not available	Not available	Not available
MAX.SPEED - RPM	14200	13800	13800
COST (VAT NOT INCLUDED) - (STATE WITH WHICH ACCESSORIES)	2520,00		

Heads and cylinders are the same as those for the KX 125 cc, unmistakable for their pentagonal flat plate.

There just had to be an engine test room, here all the engines made are tested during manufacturing and when finished too, before being delivered to customers.

## MAINTENANCE

COMPLETE PISTON + CONROD BIG END GAGE	40 litres of fuel for racing
REEDS	50 litres of fuel carry out a check
COUPLING AXLE + PASAMENTI + BEARING	150 litres fuel mixture
MAIN BEARINGS AND OIL PUMP	150 litres fuel mixture size and make of bearings 25x62x17
WASHERS	120 litres fuel mixture
LOCK TORQUE	
HEAD NUT - NM	13
CYLINDER/CASING NUT - NM	23
CENTRAL CLUTCH NUT - NM	40
ROTOR IGNITION NUT - NM	40
CLUTCH	Dry, check lined discs and flatness of steel discs
GEARS	120 litres fuel mixture
SQUISH	Use tin thread Ø 1.5 mm
RUNNING IN - MINUTES	15