



ITALIAN MOTORS

TM Moto Specs

Factory Data	MX80	MX125	Notes
Ignition Timing	1mm (.03937")	1.3mm (.051")	Kokusan
Type Spark Plug	NGK 5 K OHM	NGK 5 K OHM	resistor type
Carburetor	Mikuni TM 32	Keihin PWM 38	.
<i>Main Jet</i>	220	178	use 200 main jet with needles shown below
<i>Idle Jet</i>	25	55	.
<i>Idle Jet</i>	25	52	using racing octane
<i>Needle</i>	6DL1-61	N 1 EC	125 use PGH (rich) or CEJ (lean) - clip in middle
<i>Needle position</i>	3	3	.
<i>Needle position</i>	3	2	using racing octane
<i>Valve</i>	3.5	6	(slide valve number)
<i>Idle Screw</i>	2 turns	1 - 1.5 turns	.
Spark Plug	BR9EG	BR9EG	.
<i>Gap</i>	0.7mm (.026")	0.7mm (.026")	.
Piston Clearance	0.06mm (.0024")	0.06mm (.0024")	Minimum clearance
Deck Height	0.75mm (.030")	1.7mm (.070")	Top of cylinder to top of piston at TDC
Volume	7.1cc	11.0cc	Combustion Chamber
Squish	0.9mm (.035")	0.9mm (.035")	Dimension between squish band to piston at TDC
Clutch	5/6	7/8	ferrous / friction - friction 1.5mm (.059")
Transmission capacity	.7 liter (.74 qt)	.7 liter (.74 qt)	.
<i>type oil</i>	ATFII	ATFII	Dexron, Mobil 1, Sunoco etc.
Gas/Oil mixture	3%	3%	2% using racing octanes
.	.	.	.
Transmission	Ratio	.	.
1	14/32	.	.
2	16/28	.	.

3	18/27	.	.
4	20/25	.	.
5	22/24	.	.
6	23/22	.	.
.	.	.	.
Primary	19/63	.	.
.	.	.	.
Please recognize that these specs are for motocross <i>only</i> application.			.

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TM Comparison

Metrics	KV95	K9B	MOTO
Ignition Timing	108 > 1.2mm	1.6mm	1.0 - 1.2mm
.	100 < .9 to 1.0	.	.
Combustion Chamber Volume	11.8 - 12.0cc	11cc	10.0 - 11.0cc
Exhaust Port Height	std	std	33mm
Piston to Bore Clearance	.07-.75mm	.07-.75mm	.06-.065mm

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Maintenance Schedules

Maintenance	KV95	K9B	Moto
Piston & ring	20L	30L	30L
Rod	120L	120L	120L
Crankshaft bearings	60L	60L	60L
Piston pin & bearing	60 - 70L	60 - 70L	60 - 70L
Rod bearing	120L	120L	120L