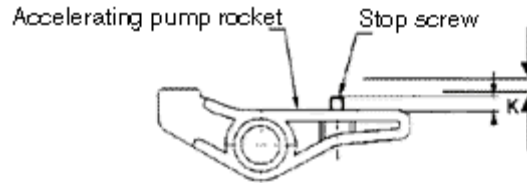


CARBURETTOR

The following table recapitulates the specifications of the carburettors that have been fitted on the engines in question since the beginning of 2001.



SPECIFICATIONS	X9 125	X9 180
Part no.	829088	829089
Vacuum type	WVF-7C*	WVF-7D*
Main jet	108 - CM105404	118 - CM105407
Idling jet	36 - CM105302	34 - CM105301
Main air jet	115	150
Idling air jet	100	50
Conical needle (stamping - part no.)	51C - CM106505	465 - CM106504
Conical needle position (notches from top)	2	3
Atomizer nozzle	∩ 2.7	∩ 2.7
Fuel inlet hole	∩ 1.5	∩ 1.5
Choke air jet	200	200
Choke atomizer jet	120	110
Choke jet	50	50
Choke needle diameter	∩ 1.78	∩ 1.78
Starting device resistance	~ 30 Ω	~ 30 Ω
Choke tube	∩ 0.29 (30.3X27.0)	∩ 0.29 (30.3X27.0)
Throttle valve	∩ 33	∩ 33
Accelerating pump rocker - stop screw projection (K)	CM109704 2.6	CM109705 2.1

* Identification letter can change everytime carburettor is updated.

MOTOR

Specifications	Description
Type	Single-cylinder, four-stroke, four-valve.
Cooling system	Liquid cooled
Number of cylinders	1
Bore	57 mm (125 cc); 69 mm (180 cc)
Stroke	48.6 mm
Displacement	124.2 cm ³ (125 cc); 182 cm ³ (180 cc)
Compression ratio	11.5 - 12.5 : 1 (125 cc) 11.5 - 12.5 : 1 (180 cc)

Timing system	Single overhead camshaft driven by chain on left side, three-arm rockers with threaded adjuster.	
Play of valves: intake exhaust	0.10 mm 0.15 mm	
Walbro Carburettor	WVF7C ㄩ 29 mm (125 cc) WVF7D ㄩ 29 mm (180 cc) (Identification letter may be changed every time carburettor is updated).	
Idle speed	1650±50 g/min	
CO adjustment	3.8 ± 0.7 %	
Air filter	Sponge impregnated with 50% oil (Selenia Air Filter oil) and 50% unleaded petrol.	
Starter system	electric starter motor (180 cc engine with torque limiter).	
Engine lubrication	lubrication with chain driven lobe pump in crankcase, mesh strainer and cartridge filter.	
Fuel system	by carburettor, with electric fuel pump.	
Max. power (crankshaft): 125 cc 180 cc	11 kW (15 HP) at 9700 rpm 14.7 kW (20 HP) at 8500 rpm	
Top speed	104 Km/h (125 cc) 118 Km/h (180 cc)	
Carburettor	180 cc	125 cc
Type vacuum:	WVF-7D*	WVF-7C*
Max jet.:	118	110
Slow running jet:	34	36
Main air jet:	150	115
Idling air jet:	50	100
Conical needle:	465	51C
Position of conical needle, notches from top:	3	2
Diffuser nozzle:	ㄩ 2,7	ㄩ 2,7
Fuel inlet hole:	ㄩ 1,5	ㄩ 1,5
Starting air jet:	200	200
Starting diffuser jet:	110	120
Starter jet:	50	50
Starting device needle:	ㄩ 1.78	ㄩ 1.78
Starting device resistance:	~ 30 Ω	~ 30 Ω
Choke tube:	ㄩ 29 (30.3x27.0)	ㄩ 29 (30.3x27.0)
Throttle valve:	ㄩ 33	ㄩ 33

*Identification letter may be changed every time carburettor is updated.