

Technical Data

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Engine type	655
Bore / stroke	100 mm / 83 mm
Displacement	651,88 c.c.
Max. performance	34 kW bei 6750 r.p.m.
Max. torque	56 Nm bei 5500 r.p.m.
Idle r.p.m.	1400 r.p.m.
Max. admissible r.p.m.	7500 r.p.m.
Max. admissible continuous r.p.m.	7000 r.p.m.
Compression ratio	9,1 : 1
Inlet camshaft	225° (opening at 1 mm valve clearance)
Exhaust camshaft	234° (opening at 1 mm valve clearance)
Ignition timing (at 1 mm valve clearance)	Inlet opens: 5° before TDC
	Inlet closes: 40° after BDC
	Exhaust opens: 47° before BDC
	Exhaust closes: 7° after TDC
Ignition unit	breakerless capacitor discharge ignition unit with electronically variable advance and 3-phase AC generator
Ignition timing	Starting advance: 10° before TDC up to approx. 2500 r.p.m.
	Advance at full load operation: 39° before TDC from approx. 4000 r.p.m.
Generator output	12V 280W
Spark plug	1 spark plug, 12 mm, NGK DR8 EA
Electrode gap	0,6 - 0,8 mm

Electric starter, performance	0,9 kW
Fuel	SUPER gasoline, unleaded, RON (min.) = 95 octane
Cooling	liquid cooling, circuit by integrated water pump
Coolant mixture	50% anti-freeze, 50% water
Coolant, quantity	as per motorcycle manufact. specifications
Thermostat	opening temperature approx. 60° C
Oil pumps	2 trochoidal pumps
Motor oil specifications	as per specification API: SF or SG as per specification CCMC: G4
Motor oil viscosity	recommendation 15W - 40
Motor oil quantity	as per motorcycle manufact. specifications
Clutch	multi-disk clutch in oil bath
Gearbox	5-speed gearbox, dog engagement
Primary drive ratio	72 / 37 = 1,946
Gear ratios	1 st speed : 33/12 = 2,750
	2 nd speed: 28/16 = 1,750
	3 rd speed: 21/16 = 1,313
	4 th speed: 23/22 = 1,045
	5 th speed: 21/24 = 0,875
Final drive from gearbox to rear wheel	via chain sprocket, 16 teeth
Chain dimension	O-ring chain 5/8"x 1/4"
Weight (dry)	ca. 49 kg