

## TECHNICAL DATA – ENGINE »

TYPE	660 LC4
Design	Liquid-cooled single cylinder 4-stroke engine with balancer shaft and electric starter
Displacement	653,7 cm <sup>3</sup>
Bore / Stroke	102/80 mm
Ratio	11,6:1
Fuel	unleaded premium gasoline with a least RON 95
Valve timing	4 valves over rocker arm and 1 overhead camshaft, camshaft drive through single chain
Valve diameter	Intake: 36 mm                      Exhaust: 32 mm
Valve clearance cold	Intake: 0.10 mm                      Exhaust: 0.10 mm
Crank shaft bearing	2 cylinder roller bearing
Connecting rod bearing	needle bearing
Top end bearing	bronze bushing
Piston	forged aluminium alloy
Piston rings	1 compression ring, 1 taper face ring, 1 oil scraper ring
Engine lubrication	2 Eaton-Oilpumps
Quantity of engine oil	SAE 10W/50 (Motorex Power Synt 4T)
Engine oil	2,2 liters including frame
Primary ratio	straight geared spur wheels 31 : 79 teeth
Clutch	multi disc clutch in oil bath
Transmission	5-speed claw shifted
Gear ratios	1. Gear 33:15 2. Gear 24:15 3. Gear 21:18 4. Gear 19:20 5. Gear 18:22
Ignition system	contactless DC- CDI ignition with digital advanced system type KOKUSAN
Ignition timing	adjustment to max. 33° BTDC at 8500 rpm
Generator	12V 200W
Spark plug	NGK DR 9 EA
Spark plug gap	0,9 mm
Cooling system	liquid cooled, permanent rotation of cooling liquid through mechanic driven water pump
Cooling liquid	1,8 liter, 50% antifreeze, 50% water, at least -25° C (-13° F)
Starting equipment	electric starter

BASIC CARBURETOR SETTING		
	660 Rally ( throttled)	660 Rally (open)
Type	Keihin FCR - MX 41	Keihin FCR - MX 41
Carburetor setting mark	4100A	4100A
Main jet	168 (175)	175
Jet needle	OBDVT (OBEKR)	OBEKR
Idling jet	42 (45)	45
Main air jet	200	200
Idling air jet	100	100
Needle clip position from top	V	IV
Starting jet	85	85
Mixture control screw open	2	2
Throttle valve	15	15
Performance restrictor	slide stop	-
Stop pump membrane	858 / 2,15 mm	858 / 2,15 mm