

MODEL - IBM I.D. NUMBER	Model/ID	SC500	363	Mod
STARTING ENGINE/FRAME NUMBER	E/F Nbr.	363-000101		E/I
BASIC COLOR (FUEL TANK)	Color	Silver Dust (Black Stripe)		C
NET WEIGHT	Weight	236 lbs.		W
ENGINE (TYPE) (INDUCTION SYSTEM)	Engine	2-stroke, 7-port, single/reed valve		E
BORE/STROKE/CYLINDERS/DISPLACEMENT	Displ.	95 x 70 x 1 496cc 30.26 CID		D
HORSEPOWER/TORQUE - FT. LBS.	HP/Torq.	44 @ 6500 37.1 @ 6000		HP
COMPRESSION RATIO/NOMINAL PRESSURE	Compr.	7.1:1 ϕ		C
PISTON SKIRT CLEARANCE (NOMINAL) (MAX. ALLOWABLE)	Skirt Cl.	.055-.060mm .102mm (.004")		SK
RING END GAP (TOP) (2ND) (3RD)	End Gap	.3-.5mm (All)		En
RING GROOVE CLEARANCE (TOP) (2ND) (3RD)	Groove	.03-.07mm (All)		G
VALVE CLEARANCE (ENG. COLD) INTAKE/EXHAUST	Valves	ϕ		V
CARBURETOR (MFR) (TYPE) (I.D. NUMBER)	Carb.	Mikuni VM38SC 363E1		
MAIN JET	M.J.	#360		
NEEDLE JET	N.J.	Q-2		
JET NEEDLE/CLIP POSITION	J.N.	6F13-2		
CUT AWAY	C.A.	1.5		
PILOT JET	P.J.	#80		
AIR JET	A.J.	2.0		
STARTER JET	S.J.	#80		
AIR SCREW (TURNS OUT)	A.S.	1½		
FLOAT LEVEL	F.L.	ϕ		
AIR FILTER (TYPE) (QUANTITY)	Filter	Wet foam rubber X1		
DRIVE - PRIMARY (TYPE) (TEETH) (RATIO)	Primary	Gear 64/24 2.667		
SECONDARY (TYPE) (TEETH) (RATIO)	Second.	Chain 51/14 3.643		
TRANSMISSION RATIOS 1ST (TEETH) (RATIO) (O.A.)	1st Gear	30/15 2.000 19.430		
2ND	2nd	26/19 1.368 13.290		
3RD	3rd	23/23 1.000 9.715		
4TH	4th	21/26 0.807 7.840		
5TH	5th	ϕ		
6TH	6th Gear	ϕ		
CAPACITIES - TRANSMISSION (QUANTITY) (TYPE)	Trans.	1200 ± 50cc SAE 10W30 "SE" motor oil		
OIL TANK OR ENGINE SUMP (QUANTITY) (TYPE)	Tnk/Sump	0.6 qt. Yamalube		
FUEL TANK (QUANTITY) (MINIMUM OCTANE)	Fuel Tank	2.4 gals.		
FRONT FORKS (QUANTITY) (TYPE)	Forks	194cc SAE 10W30 or Spec. type		
TIRES FRONT/REAR (SIZE) (NOMINAL PRESSURE)	Tires	3.00-21 4PR/13PSI 4.60-18 4PR/15PSI		
ELECTRICAL - CHARGING SYSTEM (MFR) (TYPE)	Gen.	Hitachi F145-01 Capacitor Discharge		
NO LOAD VOLTAGE ADJUSTMENT	Volt Adj.	ϕ		
MAXIMUM OUTPUT (")	Output	ϕ		
FIELD COIL (and/or) CHARGING COIL RESISTANCE	Field	ϕ		
BATTERY (MFR) (MODEL) (RATING)	Battery	ϕ		
HEADLIGHT/TAILLIGHT RATINGS	Lights	ϕ		
IGNITION COIL SPARK GAP (MIN)/PRI. RES./SEC. RES.	Spark	7mm .7 Ω 6.0K Ω		
CONDENSER CAPACITY	Condens.	ϕ		
POINT GAP (NOMINAL)/SPARK PLUG (TYPE) (GAP)	Point	ϕ NGK B-8EV .5-.6mm/.020"-.023"		
TIMING	Timing	2.7mm BTDC (See Service Notes)		