

# DT175A SERVICE DATA

**MODEL - IBM I.D. NUMBER**

STARTING ENGINE/FRAME NUMBER	DT175A	443
BASIC COLOR (FUEL TANK)	443-000101	443-000101
NET WEIGHT	Yale Blue	217 lbs.
<b>ENGINE (TYPE) (INDUCTION SYSTEM)</b>	Air-cooled, two-stroke, 7-port, Reed Valve	
BORE/STROKE/CYLINDERS/DISPLACEMENT	66x50mm x1	171cc (10.34 CID)
COMPRESSION RATIO/NOMINAL PRESSURE	6.1:1	N/A
PISTON SKIRT CLEARANCE (NEW) (MAX.)	0.040 ~ 0.045mm (.0016 ~ .0018")	.004"
RING END GAP (TOP) (2ND) (3RD)	0.3 ~ 0.5mm (.012~.020")	0.3 ~ 0.5mm/φ
RING GROOVE CLEARANCE (TOP) (2ND) (3RD)	N/A / 0.03 ~ 0.05mm (.0012~.0020")	φ
VALVE CLEARANCE (ENG. COLD) INTAKE/EXHAUST	0.20 ~ 0.25mm (.008 ~ .010")	Yellow
<b>AUTOLUBE - MINIMUM PUMP STROKE/COLOR CODE</b>	Mikuni VM24SS 44360	
<b>CARBURETOR (MFR) (TYPE) (I.D. NUMBER)</b>	No. 160	
MAIN JET	0-2	
NEEDLE JET	5G4-3	
JET NEEDLE/CLIP POSITION	No. 2.0	
CUT AWAY	No. 25	
PILOT JET	0.5	
AIR JET	No. 40	
STARTER JET	1.0	
AIR SCREW (TURNS OUT)	21 ± 2.5mm	
FLOAT LEVEL	Wet Foam x 1	
<b>AIR FILTER (TYPE) (QUANTITY)</b>	Helical Gear 74/19 3.894	
<b>DRIVE - PRIMARY (TYPE) (TEETH) (RATIO)</b>	DK428	112 Links 45/16 2.812:1
SECONDARY (TYPE) (TEETH) (RATIO)	35/11	3.181 34.831
TRANSMISSION RATIOS 1ST (TEETH) (RATIO) (O.A.)	30/15	2.000 21.900
2ND	26/19	1.368 14.980
3RD	23/23	1.000 10.950
4TH	20/25	0.800 8.760
5TH	φ	φ
6TH	650 ± 50 cc Yamalube 4-cycle	
<b>CAPACITIES - TRANSMISSION (QUANTITY) (TYPE)</b>	1.3 qt. Yamalube 2-cycle	
OIL TANK OR ENGINE SUMP (QUANTITY) (TYPE)	1.8 gal. Low Lead	
FUEL TANK (QUANTITY) (MINIMUM OCTANE)	130cc (4.4 oz.) SAE 10W30 Motor Oil "SE"	
FRONT FORKS (QUANTITY) (TYPE)	φ	
REAR SHOCKS (QUANTITY) (TYPE)	3.00-19/14 psi 3.50-18/17 psi	
TIRES FRONT/REAR (SIZE) (NOMINAL PRESSURE)	Flywheel Magneto Hitachi CM61-20Q	
<b>ELECTRICAL - CHARGING SYSTEM (MFR) (TYPE)</b>	φ	
NO LOAD VOLTAGE ADJ. (AC & DC GENERATORS)	N/A	
MAX. MAGNETO OUTPUT (CHARGING) (LIGHTING)	N/A	
FIELD COIL (and/or) CHARGING COIL RESISTANCE	GS or FB 6N4B-2A-3 6V 4AH	
BATTERY (MFR) (MODEL) (RATING)	6V 25W/25W 6V 5.3W/17W	
HEADLIGHT/TAILLIGHT RATINGS	7mm @ 500 rpm / 1.7Ω ± 10% / 6.0KΩ ± 20%	
IGN. COIL SPARK GAP (MIN)/PRI. RES./SEC. RES.	0.30 μf	
CONDENSER CAPACITY	0.30 ~ 0.40mm / NGK B-8ES / 0.5~0.6mm	
POINT GAP (NOMINAL)/SPARK PLUG (TYPE) (GAP)	1.8mm BTDC	
TIMING (ADVANCED) (RETARDED)		

N/A = Information Not Available  
 φ = Does Not Apply to this Model