

M80 + RT90 Specification

Reference configuration. Confirm the final engine, starting method, working width and implement package in the quotation.

M80 Chassis

Model	MUBOTA M80
Mounted Engine	7-10HP
Overall Dimensions(mm)	2050x710x1235
Weight(without engine)	179kg
Tilling Width and No.of Blades	Standard 480mm(18-1/8in.)14 Blades Max. 600mm(23-5/8in.)16 Blades (Optional)
Speeds	Forward: 6 Speeds Reverse: 2 Speeds Tilling: 4 Speeds (2 speeds by changing auxiliary sprockets)
Tires	5-12
Brake	Inner Expansion Type
Main Clutch	Dry Multi-plate Type
Steering Clutch	Claw Type Clutch
Power Transmission System	Engine to Main Shaft: 2V-Belts Main Shaft to Wheel Axle: Gear Transmission to Blade Axle: Chain
Wheel Tread	390-780mm(15-3/8-30-3/4in.)

Source: mubota-m80-rt90-specification.xlsx. Values are reproduced from the customer-issued workbook; presentation has been reformatted for PDF reading.

RT90DI Engine

Reference engine specification associated with the M80 workbook.

Model	Unit	RT90DI
Type		Single Cylinder/Horizontal/Water Cooled/ 4-cycle
Bore x Stroke	mm	86x84
Displacement	cc	487
Maximum output	Hp(kW)/rpm	9(6.62)/2400
Continuous rated output	Hp(kW)/rpm	8(5.88)/2400
Fuel consumption	g/Hp(kW).h	170(231)
Rated speed	rpm	2400
Idle speed	rpm	≤600
Compression ratio		18:01:00
Maximum torque	kgf.m/rpm	3.2/1600
Valve clearance(cold engine)	mm	0.160-0.200
Cooling system		Radiator
Governor system		Flying hammer centrifugal speed type
Fuel Injection Pressure	kgf/ccm ²	190-210
Fuel delivery position		17deg-19deg
Combustion system		Direct injection system
Lubricating system		Forced Lubricating with Trochoid Pump
Lubricating oil		SAE 40 API CF
Fuel		SAE No.2-D
Fuel tank capacity	L	10
Cooling water capacity	L	1.6
Crankcase oil capacity	L	2.4
Starting system		Speed Doubling Handle by Hand/Electric Start
Direction of Rotation		Counterclockwise Facing Flywheel
Lamp		12V 35W/35W
Measurement	mm	769x342x482
Net Weight	kg	89