

Millat MT390 2WD Deluxe

Complete Technical Specifications

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PERFORMANCE

Engine power at 2200 rpm	90 (B.S.) hp*
Torque at 1600 engine rpm	330 Nm
PTO power at rated engine speed	75 hp**
Footnotes	* Certified to BS AU 141a: (1971) ** Manufacturer's estimate

ENGINE

Type	Diesel /1004T
No. of cylinders	4
Injection	Direct
Bore	100 mm
Stroke	127 mm
Capacity (litres)	4
Aspiration	Turbo
Compression ratio	16.0:1
Starting aid	Thermostat
Throttle control	Hand and foot
Cooling	Water
Air cleaner type	Dry paper element
Air pre-cleaner	Centrifugal, over the bonnet
Fuel filter	Dual, high capacity
Exhaust	Under bonnet with vertical stack pipe
Oil cooler	Water cooled
Oil drain plug	Magnetic

ELECTRICS

Voltage	12 V, negative earth
Battery	88 Ah (maintenance free)
Alternator / Starter Motor	45 A / 2.8 kW

CLUTCH

Type	Dual (Damper)
Diameter	305 x 254 mm
Lining material	Cerametallic

TRANSMISSION

Type	Sliding spur
Number of gears	8 forward, 2 reverse
Road-speed reference	At 2200 engine rpm with 18.4/15-30 tyres

Road speeds

Gear	Speed (km/h)
Forward 1 (First low)	3.1
Forward 2	4.6
Forward 3	6.3
Forward 4	8.4
Forward 5 (First high)	12.8
Forward 6	18.7
Forward 7	25.6
Forward 8	34.3
Reverse 1 (Low)	4.3
Reverse 2 (High)	17.4

POWER TAKE-OFF

Type	Live
Engine speed at 540 PTO rpm	1,789 rpm
Shaft diameter	35 mm
No. of splines	6

HYDRAULICS

Functions	Draft control, position control, response control, constant pumping
Pump type	Reciprocating pump; Ferguson Pump
Oil flow	16.7 l/min
Pressure	21.2 MPa at normal operating temperature
Lift capacity at lower links end with lower links horizontal	2,529 kg
Lower links	CAT-II fixed balls; adjustable heavy-duty yoke tubes and heavy-duty links

STEERING

Type	Hydrostatic
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FRONT AXLE

Type	Heavy Duty Box Section, adjustable
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REAR AXLE & BRAKES

Axle type	Straddle with epicyclic reduction unit
Brake pedal	Pendant
Brake type	Oil immersed, multi-disc
Braking area	1,774 sq. cm
Brakes actuation	Hydraulic
Parking brake	Hand lever operated
Differential lock	Mechanical

INSTRUMENTATION

Multi-functional dashboard	Tachometer, hourmeter, PTO RPMs, fuel level, water temperature
Warning lights / indicators	Direction indicator; electric charge; differential lock; headlight high & low beam; low engine-oil-pressure indication light; low-fuel warning; PTO engagement; auxiliary socket

TYRES

Front	7.50-20
Rear	18.4/15-30

TRACK ADJUSTMENT

Front axle	1,420-2,158 mm
Rear axle	1,924-2,326 mm

WEIGHT AND DIMENSIONS (APPROX.)

With 7.50-20 front and 18.4/15-30 rear wheels, full fuel, oil and water

Gross weight	2,843 kg
Overall length	3,780 mm
Overall width	2,020 mm
Wheelbase	2,345 mm
Height over exhaust	2,720 mm
Height over steering wheel	1,760 mm
Turning circle without brakes	9,310 mm
Ground clearance under engine sump	490 mm

CAPACITIES

Fuel tank	108.0 l
Engine sump	7.8 l
Cooling system	16.9 l
Hydraulic system	42 l
Power-steering reservoir	2 l
Brake oil	0.25 l

STANDARD EQUIPMENT

Included	Weight frame; sun canopy; rear counterweights (200 kg); standard tool box with set of tools; top link; USB port; top-link-end Cat-I & II balls; check chains; stabiliser chains; spring-suspension seat; flat-top fenders; rear-view mirror; operator's and service manual; wider heat shield; hydraulic quick coupling
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OPTIONAL EQUIPMENT

Available options	Swinging drawbar; front weights; pintle hook; 9-hole drawbar
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OPERATOR AREA

Seat	Cushioned
Operator platform	Spacious
Fenders	Flat top
Tool	Standard

Note: Millat Tractors Ltd. reserve the right to change specifications without prior notice.