

MASSEY FERGUSON

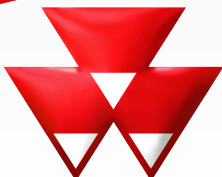
85 HP RANGE

Hydrostatic Power
Steering

Two Wheel Drive



MADFI



MASSEY FERGUSON

Specifications

PERFORMANCE

Maximum engine power @ 2,200 rpm	85 (B.S) hp*
Maximum torque@1,600 rpm	300 Nm
Maximum PTO power at rated engine speed	70hp**

* Certified to BS AU 141a

** Manufacturer's estimate

ENGINE

Make / Type	Diesel / 4.41
No. of cylinders	4
Injection	Direct
Bore	101 mm
Stroke	127.0 mm
Capacity	4.1ℓ
Aspiration	natural
Compression ratio	15.3:1
Starting aid	Thermostart
Throttle control	hand & foot
Cooling	Water
Air cleaner type	Oil bath
Air pre-cleaner	Over bonnet,
Fuel filter	Dual, high capacity with sedimentor
Exhaust	Vertical, muffler under bonnet
Oil Cooler	Water Cooled

ELECTRICS

Voltage	12 V, negative earth
Battery	118 Ah
Alternator / Starter	45 A / 2.8 kw

CLUTCH

Type	Dual
Diameter	305mm x 254 mm
Lining material	Cerametallic

TRANSMISSION

Type	Sliding Spur
Number of gears	8 forward, 2 reverse

Road speed at 2,200 engine rpm with 18.4 / 15 - 30 rear tyres

Gear		Speed (km/hr)
Forward 1	(First low)	2.9
Forward 2		4.2
Forward 3		5.8
Forward 4		7.8
Forward 5	(First high)	11.6
Forward 6		17.0
Forward 7		23.13
Forward 8		31.0
Reverse 1	(Low)	4.0
Reverse 2	(High)	15.7

POWER TAKE OFF

Type	Live
Engine speed @ 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	4 Piston, Ferguson
Macimum oil flow	16.7ℓ / min
Maximum pressure	21MPa (205 bars) at normal operating temperature
Max. lift capacity at lower links horizontal	2,145 kgs
Lower Links	Cat. 1 & 2 with interchangeable balls

FRONT AXLE

Type	Parallel drive
Engagement	Mechanical

STEERING

Steering	Hydrostatic
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REAR AXLE AND BRAKES

Axle Type	Straddle with epicyclic reduction unit
Brake Type	Oil immersed, multi-disc
Brake Pedal	Pendant
Braking area	1,774 sq.cm
Brakes Actuation	Hydraulic
Parking brake	Hand lever operated

INSTRUMENTATION

Gauges	Tachometer, Hourmeter, Fuel level, Battery Condition & Water temperature
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Warning lights	Direction indicators, Electric charge, Head light main beam, Low engine oil pressure, 4WD Indication light & Auxiliary socket
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TYRES

Front	12.4 / 11-24 (12 PR)
Rear	18.4 / 15-30 (8PR)

TRACK ADJUSTMENT

Front	1,376 - 1,944 mm
Rear	1,423 - 2,134 mm

WEIGHTS AND DIMENSIONS (*)

(With 12.4/11-24 Front & 18.4/15-30 rear with full fuel, oil & water)

Weight	
Gross Weight (Approx.)	2,760 kg
Dimensions	
Overall length	3,810 mm
Overall width (min.)	1,871 mm
Wheel base	2,350 mm
Height	
Over exhaust	2,485 mm
Over steering wheel	1,781 mm

Turning Circle	
Without brakes	8,518 mm
Ground Clearance Under gear box	501 mm
Under 4WD front axle	395 mm

CAPACITIES

Fuel tank	108.0 ℓ
Engine sump	7.5 ℓ
Cooling system	15.2 ℓ
Hydraulic system	47.4 ℓ
Power steering reservoir	2.0 ℓ
Oil bath air-cleaner	0.7 ℓ
Brake Oil	0.25 ℓ
4WD front axle differential	5.6 ℓ
Hub each side	1.0 ℓ

STANDARD EQUIPMENT

Weight frame without weights, Standard tool box with set of tools, Top link, Top link end Cat I & II balls, Check chains, stabiliser chain, Spring suspension seat, Flat top fenders & Operator's and service manual.

OPTIONAL EQUIPMENT

Front end weights, Swinging drawbar, Sun Canopy, Pintle hook and 9 Hole drawbar.

OPERATOR AREA

Seat	Cushioned
Fenders	Flat top
Tool	Standard



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