

MASSEY-FERGUSON 3140

- 115 PTO hp tractor with turbocharged Perkins 1000 Series engine with Quadram power
- Choose 2 or 4-wheel drive
- 8-speed, full-synchromesh, reverse-shuttle transmission with additional 2-speed Powershift
- Pin-sensing electronic 3-point linkage control system enables more precise operation
- Autotronic™ logical electronic-assisted control of 4WD, braking, range shift, differential lock and PTO for improved productivity and operating efficiency
- Quiet, comfort-conditioned cab
- Sliding-hub axle



M-F 3140 2/4WD Specification

PERFORMANCE

Manufacturer's rated
PTO horsepower
@ 2200 rpm 115 hp
Max engine torque
@ 1200 rpm 350 lbf ft (474 Nm)

ENGINE

Make/type Perkins/1006.6T7
Injection Direct
No. of cylinders 6
Bore 3.937 in (100 mm)
Stroke 5.000 in (127 mm)
Displacement 365 in³ (6.0 L)
Aspiration Turbocharged
Cooling Antifreeze to -30° F
Air cleaner Dual, dry element
Precleaner Exhaust aspirated
Cooling fan type Viscostic

ELECTRICS

Battery 2 x 420 cca
Alternator/starter 70 Amp/2.38 kW
Lights 2 headlights, 2 cab-mounted lights, 2 rear worklights, taillights, flashing safety lights and turn signals

CLUTCH

Type Single disc, diaphragm, pull-type
Diameter 13 in (330 mm)
Lining material Cerametallic
Actuation Hydraulic, self-adjusting

TRANSMISSION

Description 8 forward, 8 reverse with full synchromesh manual shuttle (standard 2-speed Powershift increases the number of speeds to 16 forward, 16 reverse).

Road speeds—At rated engine speed.
18.4R38 rear tires.

Gear	Forward		Reverse	
	mph/kph	mph/kph	mph/kph	mph/kph
1	1.5/ 2.5	1.5/ 2.5	1.5/ 2.5	1.5/ 2.5
2	1.9/ 3.1	1.9/ 3.1	1.9/ 3.1	1.9/ 3.1
3	2.3/ 3.7	2.3/ 3.7	2.3/ 3.7	2.3/ 3.7
4	2.9/ 4.7	2.9/ 4.7	2.9/ 4.7	2.9/ 4.7
5	3.2/ 5.1	3.2/ 5.1	3.2/ 5.1	3.2/ 5.1
6	4.0/ 6.4	4.0/ 6.4	4.0/ 6.4	4.0/ 6.4
7	4.6/ 7.4	4.6/ 7.4	4.6/ 7.4	4.6/ 7.4
8	5.8/ 9.4	5.8/ 9.4	5.7/ 9.3	5.7/ 9.3
9	6.1/ 9.8	6.1/ 9.8	6.0/ 9.7	6.0/ 9.7
10	7.6/12.4	7.6/12.4	7.6/12.4	7.6/12.4
11	9.2/14.8	9.2/14.8	9.2/14.8	9.2/14.8
12	11.6/18.7	11.6/18.7	11.6/18.6	11.6/18.6
13	12.7/20.5	12.7/20.5	12.7/20.4	12.7/20.4
14	16.1/25.9	16.1/25.9	16.1/25.9	16.1/25.9
15	18.4/29.7	18.4/29.7	18.4/29.7	18.4/29.7
16	23.3/37.5	23.3/37.5	23.3/37.4	23.3/37.4

POWER TAKE-OFF (Rear)

Type Fully independent
Actuation Hydraulic clutch with electronic engagement control
Speeds 540 rpm @ 1997 engine rpm 1000 rpm @ 2000 engine rpm
Speed change Exchangeable, 540 or 1000 rpm
No. of splines 6 (540), 21 (1000)

THREE-POINT HITCH

Functions Electronic control of Draft, Position, Intermix, sensitivity and rate of drop
Max lift capacity—
At link ends,
links horizontal 9500 lb (4309 kg)
24 in behind
link ends 7500 lb (3402 kg)
Lower links Cat II wrist action

HYDRAULICS

Max oil flow 13.2 GPM (50 LPM)
@ 2610 lbf/in² (180 bar)
Control 2 single/double acting spool valves; one with flow divider and detent with pressure kick-out, and one with detent with kick-out and float
Couplers Quick release, pressure one side

STEERING

Type Hydrostatic
Column Tilting, telescopic

4WD FRONT AXLE

Axle type Center drive
Engagement Electro-hydraulic
Differential lock Hydraulic engagement
Front fenders Standard
Max turning angle 50°

BRAKES

Type Oil cooled single plate discs
Diameter 14 in (356 mm)
Operation Hydraulic, power assisted, balanced
Parking brake Independent disc on transmission

TIRES AND WHEELS

Front—2WD 10.00-16 8-Ply F2
*11.00-16 8-Ply F2
14L-16.1 6-Ply Tubeless
Front—4WD *14.9R28 R1
Supertraction Radial
Stamped manual adjust
16.9R28 R1
Supertraction Radial
Stamped manual adjust
13.6R28 R1
Supertraction Radial
Stamped manual adjust
Rear—2WD/4WD *18.4R38 R1
Supertraction Radial
20.8R38 R1
Supertraction Radial
Row crop - Cast PAVT
8 rail
Western - Cast manual adjust

*Indicates standard specification

TREAD ADJUSTMENT

Front—2WD 61-92 in (1543-2254 mm)
Front—4WD 61-82 in (1583-2073 mm)
Rear (Row Crop)
Short axle 60.0-97.2 in
(1524-2470 mm)
Rear (Western)
Short axle 66.1-93.3 in
(1680-2370 mm)

WEIGHTS AND DIMENSIONS—2WD

With full fuel, oil and water. With 11.00-16 front and 18.4R38 R1 Cast PAVT rear tires/wheels.
Weight—front 3977 lb (1804 kg)
—rear 7176 lb (3255 kg)
—total 11153 lb (5059 kg)
Overall length 178.5 in (4531 mm)
Width—minimum 94 in (2388 mm)
Height over cab 115.6 in (2937 mm)
Turning radius
—less brakes 340 in (8640 mm)
Min. ground clearance 17.6 in (447 mm)
Wheelbase 106.1 in (2696 mm)

WEIGHTS AND DIMENSIONS—4WD

With full fuel, oil and water. With 13.6R28 front and 18.4R38 R1 Cast PAVT rear tires/wheels.
Weight—front 4508 lb (2097 kg)
—rear 6978 lb (3085 kg)
—total 11486 lb (5164 kg)
Overall length 180.5 in (4585 mm)
Width—minimum 94 in (2388 mm)
Height over cab 115.6 in (2937 mm)
Turning radius
—less brakes 339 in (8600 mm)
Min. ground clearance 17.6 in (447 mm)
Wheelbase 106.2 in (2699 mm)

CAPACITIES

Fuel tank 58.1 U.S. gal (220 L)
Crankcase 5.0 U.S. gal (19 L)
Cooling system 6.6 U.S. gal (25 L)
Hydraulic system 16.9 U.S. gal (64 L)

CAB

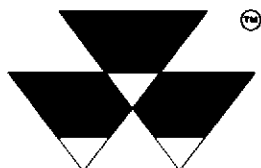
High specification, low-noise ROPS cab (mid-70 dbA). Equipment includes: full cab air conditioning, dust filter and heater with outlets to windshield and feet. Opening roof hatch and side windows. Tinted glass. Rear view mirrors. Front windshield wipers and washers. Full lighting set including turn signals, hazard lights and halogen work lights. Power socket. Deluxe swiveling, spring suspension seat standard with wide pneumatic non-swiveling seat as option.

AUTOMATED SYSTEMS

Autotronic™ (std.) Automatic control of differential lock, 4WD, PTO and gear selection
Datatronic™ (acc.) Comprehensive performance monitor plus wheelslip control

OPTIONAL EQUIPMENT/ FIELD INSTALLED

Datatronic, carbon cab filter, front PTO, front hydraulic linkage, 3rd and 4th spool valves, wheel weights, quick-attach front end weights.



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