

Massey-Ferguson 3070

- Totally new “state-of-the-art”, Autotronic and Datatronic models
- Superb new cab ushers in a silent revolution
- Standard full synchromesh reverse shuttle gearbox speeds headland turns and loader operation
- Automatic dis-engagement of differential lock when linkage is raised, then re-engagement when it is lowered
- Automatic engagement of 4WD when braking, for maximum safety
- Automatic dis-engagement of 4WD over 14 km/h to save tyre wear and fuel
- Wide choice of pto systems to fully meet your needs
- Automatic control of 4WD, differential lock and pto gives optimum efficiency – effortlessly



M-F 3070 2/4 WD Specification

PERFORMANCE

| | |
|---------------------------------------|-----------------------------|
| Rated engine power @ 2200 rev/min | **93 DIN PS (*100 BS hp) |
| Max engine torque @ 1400 rev/min | **347 Nm (256 lbf ft) |
| Max pto hp @ rated engine speed | ***85.0 hp (62.6 kW) |
| *Certified to BS AU 141a. **DIN 70020 | |
| ***Manufacturer's estimate | |

ENGINE

| | |
|--------------------|-----------------------------------|
| Make/type | Perkins/AT4 236 |
| Injection/No. cyl. | Direct/4 |
| Bore | 98.4 mm (3.875 in) |
| Stroke | 127.0 mm (5.0 in) |
| Capacity | 3.86 litre (236 in ³) |
| Cooling | Water |
| Air cleaner | Dual, dry element |

CLUTCH

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

TRANSMISSION

16 forward, 16 reverse with manual shuttle and 2-speed Speedshift, full synchromesh

Road speeds – At rated engine speed.
16.9-34 rear tyres. mile/h (km/h)

| Gear | Forward | Reverse |
|------|-------------|-------------|
| 1 | 1.3 (2.1) | 1.4 (2.3) |
| 2 | 1.5 (2.4) | 1.6 (2.6) |
| 3 | 1.8 (2.9) | 1.9 (3.1) |
| 4 | 2.1 (3.4) | 2.2 (3.5) |
| 5 | 2.6 (4.2) | 2.4 (3.9) |
| 6 | 3.1 (5.0) | 2.9 (4.7) |
| 7 | 3.6 (5.8) | 3.3 (5.3) |
| 8 | 4.3 (6.9) | 4.0 (6.4) |
| 9 | 5.2 (8.4) | 5.6 (9.0) |
| 10 | 6.2 (10.0) | 6.6 (10.6) |
| 11 | 7.3 (11.7) | 7.8 (12.6) |
| 12 | 8.6 (13.8) | 9.2 (14.8) |
| 13 | 10.4 (16.7) | 9.7 (15.6) |
| 14 | 12.4 (20.0) | 11.5 (18.5) |
| 15 | 14.6 (23.5) | 13.6 (21.9) |
| 16 | 17.2 (27.7) | 16.0 (25.7) |

When Speedshift "low" is engaged the speeds decrease by 21%.

POWER TAKE-OFF

| | |
|-----------------------|---|
| Type | Fully independent |
| Actuation | Hydraulic clutch with electronic control |
| Speeds | 540 rev/min @ 1997 engine rev/min 1000 rev/min @ 2000 engine rev/min |
| Speed change facility | Exchangeable, 540 or 1000 rev/min |
| No of splines | 6 (540), 21 (1000) |

HYDRAULICS

| | |
|--|--|
| Functions | Electronic control of Draft, Position, Intermix, sensitivity and rate of drop plus external lift and lower |
| Max lift capacity – at link ends, links horizontal | 4816 kg (10617 lb) |
| Lower links | Cat 2 quick-attach hook end |
| Hitch | Swinging drawbar and Auto hitch |

AUXILIARY HYDRAULICS

| | |
|--------------|---|
| Max oil flow | 50.0 litre/min (11.0 Imp gal/min) @ 180 bar (2610 lbf/in ²) |
| Control | 2 single/double acting spool valves with flow divider and detent with pressure kick-out |
| Couplers | Quick-release, pressure both sides |

STEERING

| | |
|--------|--|
| Type | Hydrostatic, balanced with power boost |
| Column | Tilting, telescopic |

4WD FRONT AXLE

| | |
|-------------------|---------------------|
| Axle type | Centre drive |
| Engagement | Electro-hydraulic |
| Max turning angle | 50° |
| Differential lock | Operator controlled |

BRAKES

| | |
|----------------|----------------------------------|
| Type | Oil cooled single plate discs |
| Diameter | 356 mm (14 in) |
| Operation | Hydraulic, balanced |
| Parking brake | Independent disc on transmission |
| Trailer brakes | Standard |

WHEELS AND TYRES

| | |
|-------------|----------------|
| Front – 2WD | 10.00-16 |
| – 4WD | 11.2-28 Radial |
| Rear | 13.6-38 Radial |

TRACK ADJUSTMENT

| | |
|-------------|-------------------------|
| Front – 2WD | 1473-2184 mm (58-86 in) |
| – 4WD | 1583-2073 mm (62-82 in) |
| Rear | 1540-2146 mm (61-85 in) |

CAPACITIES

| | |
|------------------|---------------------------|
| Fuel tank | 190 litre (41.8 Imp gal) |
| Hydraulic system | 60.0 litre (13.2 Imp gal) |

WEIGHTS AND DIMENSIONS – 2WD

| | |
|---|-------------------|
| With full fuel, oil and water. With 10.00-16 front and 16.9-34 Pressed rear tyres/wheels. | |
| Weight – front | 1307 kg (2881 lb) |
| – rear | 2550 kg (5620 lb) |
| – total | 3857 kg (8501 lb) |
| Overall length | 4084 mm (161 in) |
| Width – minimum | 1987 mm (78 in) |
| Height – over exhaust | 2706 mm (107 in) |
| – over cab | 2700 mm (106 in) |
| Turning circle | |
| – with brakes | 6600 mm (260 in) |
| – less brakes | 7500 mm (295 in) |
| Ground clearance | |
| – under drawbar | 411 mm (16.2 in) |
| – under gearbox | 606 mm (23.9 in) |

WEIGHTS AND DIMENSIONS – 4WD

| | |
|--|-------------------|
| With full fuel, oil and water. With 13.6-24 front and 16.9-34 Pressed rear tyres/wheels. | |
| Weight – front | 1670 kg (3682 lb) |
| – rear | 2430 kg (5357 lb) |
| – total | 4100 kg (9039 lb) |
| Overall length | 4208 mm (166 in) |
| Width – minimum | 1987 mm (78 in) |
| Height – over exhaust | 2706 mm (107 in) |
| – over cab | 2700 mm (106 in) |
| Turning circle | |
| – with brakes | 7900 mm (311 in) |
| – less brakes | 8600 mm (339 in) |
| Ground clearance | |
| – under drawbar | 411 mm (16.2 in) |
| – under 4WD housing | 506 mm (19.9 in) |

CAB

High specification factory fitted, low-noise safety cab (mid 70 db A). Equipment includes: Dust filter and heater with outlets to screen and feet. Opening roof hatch and side windows. Tinted glass. Rear view mirrors. Front and rear windscreen wipers and washers. Deluxe swivelling, spring suspension seat. Full lighting set including direction indicators, hazard lights and front and rear work lamps. Stereo radio cassette player. Power socket.

VARIABLE EQUIPMENT

Datronic. Full cab air-conditioning. Carbon cab filter. Ground speed pto. Economy pto – 540 rev/min at 1550 engine rev/min – 1000 rev/min at 1500 engine rev/min. Shiftable pto. Front pto. Front hydraulic linkage. 3rd and 4th spool valves. 7.50-18 front tyres (2WD). 13.6-24 Radial front tyres (4WD). 13.6-28 Radial front tyres (4WD). Wheel weights. Quick-attach front end weights – 10 × 45 kg (99 lb). Creeper gears 4:1 reduction. Passenger seat. Front fenders – 4WD. Beacon.

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