

M·A·N

10136 FC 4x4
All Wheel Drive



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In both cross country operation and on bad roads, M.A.N. trucks with all-wheel drive really show what they can do. M.A.N. all-wheel drive makes even the most difficult terrain easy. The optimal utilization of payload demands a high degree of efficiency of the power transmission. With M.A.N. all-wheel drive this high degree of efficiency is achieved. The drive power is transmitted to front and rear axles via the transfer case. A differential lock for the rear axle is standard equipment.

Cab

All steel forward control cab with adjustable driver's seat and bench seat for two passengers. Tilt cab for engine accessibility. Full dash instrumentation, including speedometer, air pressure gauge, brake pressure gauge, alternator warning light, oil pressure warning gauge, oil pressure warning light, low air pressure warning light, rev counter, water temperature gauge, control light for gear range, heater/demister, windscreen washer, hazard blinker system, laminated glass.

Cabin fully sound proofed against road and engine noise. West Coast rear vision mirrors and dry type air-cleaner with intake stack fitted as standard and air-cleaner service indicator. Retractable seat belts.

Chassis

High tensile lightweight steel chassis with cross members riveted or bolted in position.

Rail Dimensions:
210mm x 65mm x 5mm;

Steering

Z.F. heavy duty unitized hydraulic power steering.

Clutch

Single plate dry clutch, fully adjustable, hydraulically operated. Make: Fitchel & Sachs. Clutch plate diameter 310mm (12in.). Total Lining Area 528 cm².

Fuel Tank

One only side mounted steel tank; 200 litre capacity with high efficiency two stage filters.

Wheels and Tyres

10 stud disc wheels. Size 7.0 x 20. Standard equipment includes 7 only 9.00 x 20 x 12 lug tread pattern tyres. Cross-rib tyres or radials optional extras.

Paintwork

Cab and chassis painted in quality finish.

Front Axle

Rockwell FDS-80
Standard ratio 6.80:1
Manufacturers Capacity 4,100 kg

Rear Axle

Rockwell HA-169
Standard ratio 6.80:1
Manufacturers Capacity 7,600 kg
Differential Lock standard

Transfer Case

Ratio - 1:1 On Highway
1:1.72 Off Highway.
Model - G300

Electrical Equipment

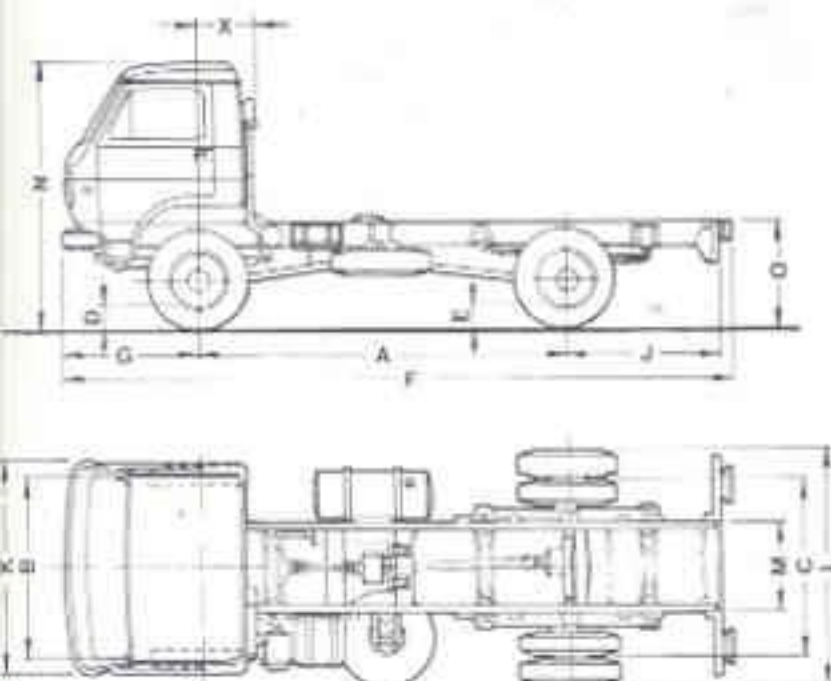
24 volt system. Bosch alternator 28 volt. 27 amp. 2 x 12 volt. 110 amp/h. Starter motor 4.0 kw 24 volt.

Brake System

Dual circuit brake system according to ADR35. All brake lines made from nylex flexible tubing.
Front brakes - air mechanical
Rear brakes - air mechanical
Hand brakes - spring brakes on rear wheels

Effective lining area - front 1702 cm²
- rear 2408 cm²
- total 4110 cm²





Dimensions in mm

| | | |
|---|---|-----------|
| A | Wheelbase | 4130 |
| B | Track Front | 1790 |
| C | Track Rear | 1710 |
| D | Ground Clearance Front | 265 |
| E | Ground Clearance Rear | 275 |
| | Minimum Track Circle | 16.5m |
| | Minimum Turning Circle | 17.9m |
| F | Overall Length | 6955 |
| G | Front Overhang | 1320 |
| J | Rear Overhang | 1400 |
| K | Width Over Cab | 2064 |
| L | Width Over Rear Wheels | 2260 |
| | Overall Max. Width | 2260 |
| M | Width Over Chassis | 860 |
| N | Height Over Cabin E/L | 2640/2570 |
| O | Height Over Chassis E/L | 1210/1080 |
| X | Centre Front Axle To Back Of Intake Stack | 520 |
| | Approach Angle | 32° |
| | Departure Angle | 28° |

Gearbox

Full synchromesh transmission 5 forward speeds and 1 reverse. P.T.O. Optional.

- 0.45 x engine speed. Max torque 25.5 mkp (250 Nm) rear mounted.
- 1.44 x engine speed. Max torque 13 mkp (128 Nm) side mounted.

Ratios and Road Speeds

(Transference Ratio 1:1)

| Gear | Box Ratio | Speed Km/h |
|---------|-----------|------------|
| 1 | 6.67 | 12 |
| 2 | 3.54 | 23 |
| 3 | 2.07 | 39 |
| 4 | 1.36 | 59 |
| 5 | 1.00 | 80 |
| Reverse | 5.98 | 13 |

(Transference Ratio 1:1.72)

| Gear | Box Ratio | Speed Km/h |
|---------|-----------|------------|
| 1 | 6.67 | 7 |
| 2 | 3.54 | 13 |
| 3 | 2.07 | 23 |
| 4 | 1.36 | 35 |
| 5 | 1.00 | 47 |
| Reverse | 5.98 | 8 |

Maximum Gradeability in First Gear at 10,000Kg with 1.72 Transference Ratio = 49%

Engine

M.A.N. naturally aspirated direct-injected, water-cooled, six cylinder in-line diesel, Model D 0226 MF, incorporating M.A.N.'s own high-performance "M" combustion system.

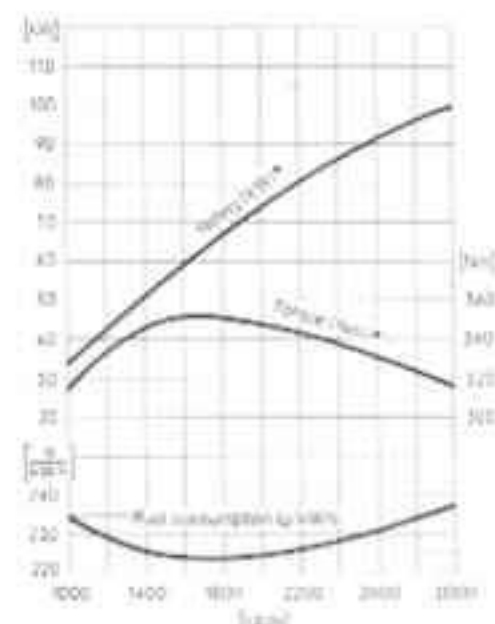
| | |
|-------------------|-----------------|
| Rating DIN net | 136 hp (100 Kw) |
| @ 3000 rpm. | |
| Bore/stroke | - 102/116 mm |
| Capacity | - 5.687 Litre |
| Compression Ratio | - 16:1 |
| RAC rating | - 38.4 |

Wheelbase

Standard 4130 mm
Options Available

Weights

| | |
|-------------------|-------------|
| Makers G.V.W. | - 10,000 kg |
| Makers G.C.W. | - 18,000 kg |
| Front Axle Rating | - 3,600 kg |
| Rear Axle Rating | - 6,600 kg |



| | |
|-------------|---|
| Rating | 100kW (136 HP) DIN 110kW (150 HP) SAE at 3000 RPM |
| Max. torque | 253 Nm (26 kgm) DIN 368 Nm (38.6 kgm) SAE at 1800 RPM |

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