



**8.136 FK (4x2)**

Forward control  
Three-way tipper

Permissible g. v. w. 8 t  
100 kW (136 HP) DIN  
Loading capacity of chassis 5.3 t  
Permissible g. t. w. 16 t



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### Dimensions in mm

A - Wheelbase	3100
B - Overhang	1740
C - Track, rear	1700
D - Overhang (engine), front (approx.)	211
E - Overhang (engine), rear (approx.)	195
F - Minimum track width (mm)	123
G - Minimum turning circle dia. (mm)	12.3
H - Overall length	5036
I - Front overhang	1190
J - Rear overhang	1362
K - Wheel track, front	1040
L - Wheel track, rear	1054
M - Width over fenders	1771
N - Body width	890
O - Height over cab, (without (approx.))	2180
P - Height over cab, (with (approx.))	2320

Q - Frame height <sup>1)</sup> , under (approx.)	1100
R - Frame height <sup>2)</sup> , under (approx.)	890
S - Frame height <sup>3)</sup> , under (approx.)	125
T - Height to platform <sup>4)</sup> , under (approx.)	1280
U - Height to platform <sup>5)</sup> , under (approx.)	1110
V - Body clear (approx.)	
W - Length	3000
X - Width	2000
Y - Height of sideboards	400
Z - Landing plate, mm	22
W - Centre of gravity (measured from centre of rear axle, body and payload)	500
X - Distance from axle to cab rear wall	550
Y - Distance from axle to cab lock	830

### Weights in kg

Chassis weight with cab, without driver, tools and spare wheel	2080
Chassis with fuel, front	2475
Chassis with fuel, rear	495
Chassis carrying capacity with fuel	1520
Curb weight	3640
Rated load (gross vehicle weight)	4580
Permissible G.W.	6000
Permissible weight from front axle	2800
Permissible weight from rear axle	3200
Permissible weight	6000
Permissible G.W.	14800

### Ratios, Speeds, Gradeability

#### GEARBOX RATIOS

1st	2nd	3rd	4th	5th	Rev.
6.67	3.54	2.07	1.36	1.00	0.68

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Auto ratio

#### SPEEDS in km/hr. at max. r. p. m.

	1st	2nd	3rd	4th	5th	Rev.
4.44	15.4	29.0	49.0	73.3	93.7 <sup>1)</sup>	17.2
4.87	14.0	26.4	45.2	68.8	90.0 <sup>1)</sup>	16.7
5.57	12.9	25.1	43.6	65.2	81.9 <sup>1)</sup>	12.7

Auto ratio

#### GRADEABILITY in %<sup>2)</sup> Permissible G.W. = 8 T

	1st	2nd	3rd	4th	5th	Rev.
4.44	30.8 <sup>3)</sup>	15.1	8.0	4.6	2.7	27.2
4.87	34.4 <sup>3)</sup>	16.8	9.0	5.2	3.1	30.3 <sup>3)</sup>
5.57	40.2 <sup>3)</sup>	19.4	10.9	6.5	4.0	35.4 <sup>3)</sup>

<sup>1)</sup> Apply only to auto vehicle at maximum engine speed

<sup>2)</sup> To be used at maximum grossability 10%

<sup>3)</sup> At load up to 50% of above value

<sup>4)</sup> Measured above centre of rear axle

Exceed on change without notice

#### SPEEDS in km/hr. at max. torque

	1st	2nd	3rd	4th	5th	Rev.
4.44	7.0	14.0	26.4	38.7	52.7	0.0
4.87	7.2	13.6	23.2	35.5	48.0	0.0
5.57	6.3	11.9	22.3	30.9	42.0	7.0

#### GRADEABILITY in %<sup>2)</sup> Permissible G.W. = 10 T

	1st	2nd	3rd	4th	5th	Rev.
4.44	14.1	6.7	3.7	1.9	0.6	12.8
4.87	15.7	7.3	3.7	1.9	0.9	13.9
5.57	18.2	8.8	4.5	2.4	1.3	16.1

**M.A.N.**

Commercial Vehicle Division

Postfach 500620

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Printed in W. Germany

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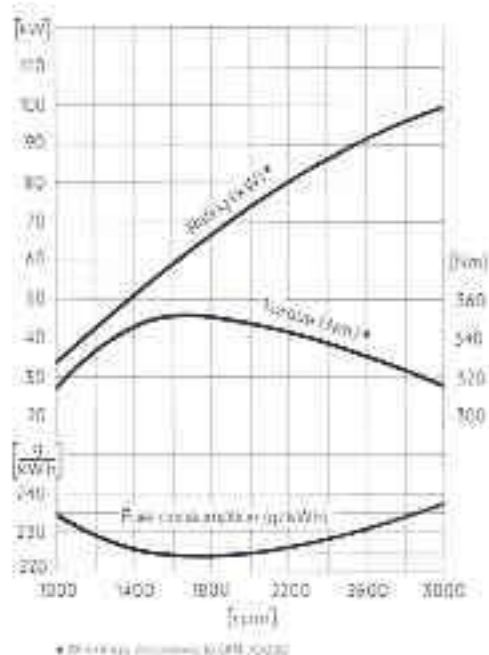
## Cab

Tipable forward control cab in short-haul version. Ergonomically designed driver's station. Luxurious appointments, glare-free instruments. Clear instrument layout. Ergonomical adjustable driver's seat and co-driver's seat. Good visibility, large outside mirrors. Easy-to-tilt cab. Engine accessible from all sides. Optimal heat insulation and sound-proofing. Hydraulically sprung seats for driver and co-driver, seat belts, and headrests are optional.

## Engine

M.A.N. diesel M-engine D 0226 MF. Water-cooled 6-cylinder, 4-stroke, in-line engine. Direct fuel injection. Low-polluting M.A.N. M-system.

Bore	102 mm
Stroke	116 mm
Swept volume	5687 cm <sup>3</sup>
Rating	100 kW (136 HP) DIN 110 kW (150 HP) SAE at 3000 RPM
Max. torque	353 Nm (36 kpm) DIN 388 Nm (39.6 kpm) SAE at 1600 RPM





Chassis  
 Delivery without underbody protection.  
 Spare wheel delivered loose.

## Chassis

### Frame

Channel-section longitudinal members with bolted cross members.

### Clutch

Hydraulically operated single-disc dry clutch.

### Transmission

Synchromesh transmission, 5 speeds forward, 1 reverse. Floor-mounted gearshift.

### Steering

ZF-Gemmer steering. Hydraulic steering optional.

### Front axle

Dropped axle.

### Rear axle

Banjo axle. Rear axle ratios 4.44, 4.87, 5.62.

### Suspension

Front: Wide-spaced tapered leaf springs with telescopic shock absorbers and stabilizer.

Rear: leaf springs, progressively acting. Telescopic shock absorbers.

### Wheels

7-fold, disc wheels (6-hole) 5.25 x 17.5.

### Tires

7-fold, 8.5R 17.5.

### Service brake

Hydraulic dual-circuit brake with pneumatic control and automatic load-sensitive brake force regulation acting on front and rear axle.

### Parking brake

Linkageless parking brake acting on rear axle via spring brake cylinder.

### Fuel tank

1 tank, 100 L.

### Electrical system

24 V, with three-phase alternator 28 V/27 A (756 W). 2 batteries, 12 V/88 Ah each.

A joint product of  
 M.A.N. and Volkswagen

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