

M·A·N DIESEL

AMERICAN M·A·N CORPORATION
149 BROADWAY
NEW YORK 3, N. Y.



100 h.p. Model 400 L1

The fast 5-tonner

of robust construction and pleasing design, equipped with a powerful engine to answer a demand long felt by public utilities and in trade, industry and forestry work.

A truck for efficient transportation work in city and suburban service.

Special features: Modern driver's cab with a full range of interior fittings and first-class interior finish; large windows, combined air and oil pressure brake operated by an effortless treadle-type brake valve, and the quiet-running M·A·N Diesel M-engine with its unusually low fuel consumption and extraordinary flexibility.

Engine:

6-cylinder, 4-stroke M·A·N Diesel engine with direct injection on the new M-principle, equipped with a most efficient filter system: 3 fuel filters, main and by-pass oil filters, oil bath type air cleaner with fresh air intake.

	Type	D 9626 M
Bore/stroke	96/120 mm. (3.78/4.72 in.)	Rating 100 h.p. at 1750 r.p.m.
Piston displacement	5211 cm ³ (318 cu. in.)	Maximum torque 224 ft.lb. at 1400 r.p.m.

CHASSIS:

Frame: Longitudinal members made of pressed U-sections with rivetted pressed steel sheet cross members, radiator, engine, clutch and gearbox mounted on auxiliary frame to allow easy removal for inspection.

Clutch: Single-plate dry clutch, „Fichtel & Sachs“ make, type G 30 KZ.

Gearbox: 5-speed dog-clutch gearbox, type ZFAK 5/33.

Rear Axle: M·A·N design, separate dead and live axles, final drives with spurwheel reduction, built-in oil pump for lubrication of axle drive, gear wheels and bearings.

Front Axle: Reversed Elliot type.

Steering: ZF bearing-mounted steering gear, standard left-hand drive.

Foot Brake: Air brake, acting on the front wheels through oil-hydraulic brake cylinder and on the rear wheels through standard single-chamber brake cylinder; sensitive operation by means of treadle-type brake valve.

Hand Brake (Parking Brake): Acting on the rear wheels through the hand brake lever and linkage rods, and on the front wheels through an automatic safety brake cylinder, tripped by the hand brake lever and acting on the oil-hydraulic brake cylinder.

Wheels: Disc wheels with 6.50—20 rim.

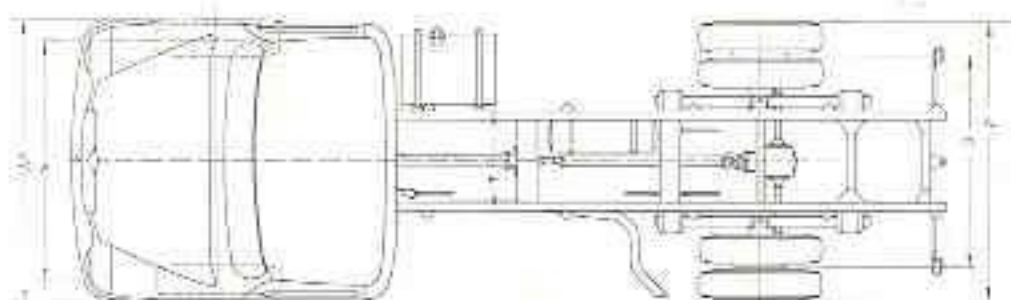
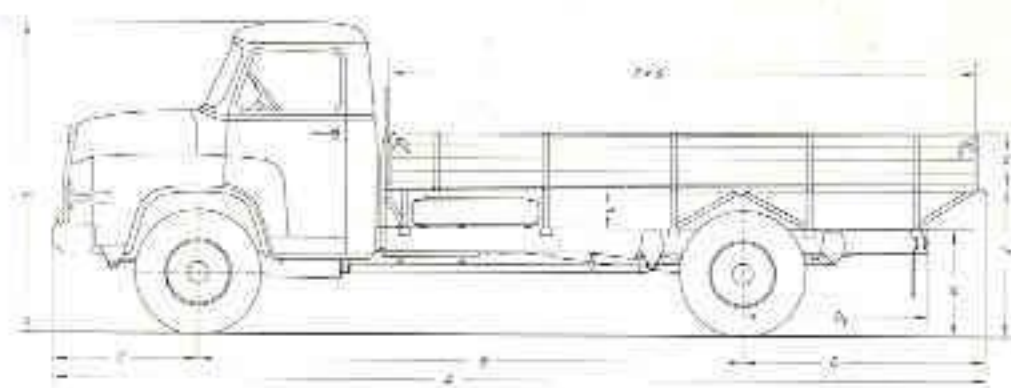
Tyres: 8.25—20 STD, reinforced.

Fuel Tank: One tank, 100 litres (26.42 gallons) capacity.

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Dimensions:

		For Trucks with Standard Body	For Dumpers	For Semi-Trailer Tractors
B = Wheelbase	mm. (in.)	4200 (169")	3500 (141.3")	3200 (125.0")
A = Length, overall	mm. (in.)	7200 (283")	6240 (245")	5800 (228.7")
C = Length of body overhang, front	mm. (in.)	1130 (43.8")	1110 (43.6")	1110 (43.6")
D = Length of body overhang, rear	mm. (in.)	1680 (79.6")	1400 (58.3")	950 (37.4")
E = Length of frame overhang, rear	mm. (in.)	1445 (56.8")	1090 (42.9")	950 (37.4")
F = Height over cab, unladen	mm. (in.)	2430 (95.7")	2430 (95.7")	2430 (95.7")
F = Length of platform	mm. (in.)	4500 (177")	3400 (133.6")	—
G = Width of platform	mm. (in.)	2010 (80.6")	2010 (80.1")	—
H = Height of side boards	mm. (in.)	500 (19.7")	400 (15.7")	—
J = Height of platform, laden	mm. (in.)	1120 (44.3")	1150 (45.2")	—
K = Chassis height, laden	mm. (in.)	800 (31.4")	800 (31.4")	800 (31.4")
L = Height of platform above chassis	mm. (in.)	320 (12.6")	350 (13.75")	—
M = Width, overall	mm. (in.)	2200 (85.3")	2200 (85.5")	2200 (85.5")
N = Track width, front	mm. (in.)	1824 (71.7")	1824 (71.7")	1824 (71.7")
O = Track width, rear	mm. (in.)	1632 (64.2")	1632 (64.2")	1632 (64.2")
P = Width over rear tyres	mm. (in.)	2140 (84.2")	2140 (84.2")	2140 (84.2")
T = Width of chassis frame	mm. (in.)	770 (30.3")	770 (30.3")	770 (30.3")
Ground clearance (laden vehicle), front/rear	mm. (in.)	438/308 (17.2/12.1")	403/308 (15.7/12.1")	433/308 (17.0/12.1")
Minimum track circle	m. (in.)	19.8 (64")	14.6 (47")	13.3 (44")
Minimum turning circle	m. (in.)	17.8 (57")	10.0 (32")	11.5 (37")

Road Speeds, Reduction Ratios and Climbing Ability:

Truck weight		kgs. (lbs.)		9000 (21000")	
Trailer gross weight		kgs. (lbs.)		3000 (17500")	
Truck and Trailer gross weight		kgs. (lbs.)		17500 (39000")	
		Speed km/h (miles/h) at maximum		Climbing Ability	
		r.p.m.	torque	%	%
Rear axle reduction		5.45			
Gearbox reductions	1st speed	10.0 (9.2)	5.5 (3.4)	30.3	15.8
	2nd speed	19.0 (11.8)	10.0 (6.6)	11.0	7.0
	3rd speed	34.0 (21.1)	19.0 (11.8)	7.4	3.8
	4th speed	50.0 (30.0)	21.0 (19.2)	3.7	1.1
	5th speed	88.0 (50.0)	49.0 (30.4)	1.7	0.1
	reverse speed	11.0 (9.8)	6.0 (3.9)	27.7	13.7

*) Applicable only to trucks without trailers

Driver's Cab:

All-steel construction, comfortable seating for three persons; adjustable driver's seat. Excellent view through undivided, curved full-view windscreen and through 1.4 m. wide rear view window. Excellent ventilation through adjustable panes in both doors, additional ventilation through air intake fan, 2 electric windscreen wipers, rear-view mirror, sun visor, ash tray, clothes hook, grip handle for driver's male, ceiling lamp, glove box, rubber mat on floor.

Instrument panel with tachometer, oil pressure gauge, cooling water heat gauge with control lamp, brake pressure indicator with control lamp, battery control lamp, overspeed indicator, control lamps for traffic indicators, starter button.

STANDARD EQUIPMENT:

Dynamo 160 watts, 12 volts
starter 4 h.p., 24 volts
2 batteries, 12 volts, 84 amp.h. each
single-cylinder air compressor 150 cu.cm. (9.16 cu. in.)
headlights with dimmer switch and parking light, tail and stop lamps, hand lamp with cable, tyre inflator set and hose, towing coupling, front and rear, hydraulic jack, tool kit.

Special Equipment:

(against extra charge)

4-wheel drive for all wheelbases, exhaust brake, side or central power take-off, driver's cab heating system, extra fuel tank, trip recorder, trailer coupling with brake connection and connection for trailer taillight, brake light and flashing light system.

AXLE LOADS AND WEIGHTS:

for standard truck with platform body and standard equipment, wheelbase 4200 mm. (165")

Permissible gross vehicle weight 9800 kgs. (21600 lbs.)

Permissible front axle load 3100 kgs. (6830 lbs.)

Permissible rear axle load 6700 kgs. (14740 lbs.)

Carrying capacity of chassis abt. 6700 kgs. (14740 lbs.)

Permissible gross trailer weight 3000 kgs. (17600 lbs.)

Permissible gross truck and trailer weight 17800 kgs. (39200 lbs.)

Weight of chassis with driver's cab abt. 3350 kgs. (7380 lbs.)

Weight of chassis without driver's cab abt. 3100 kgs. (6830 lbs.)

Net service weight of truck, including driver, tools and spare tyres, not including trailer coupling abt. 3900 kgs. (8600 lbs.)

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