



The New Model 750 L1 with *M*-Engine-145 H.P.



The powerful, economical and reliable truck in the 7 ton class featured by:

The amazingly flexible, wear resistant, fuel saving and time proved engine making the truck a motor vehicle of outstanding economy and excellent performance.

The robust construction of the chassis rendering trouble-free service under hardest operating conditions with the M-A-N rear axle having stood the test of decades.

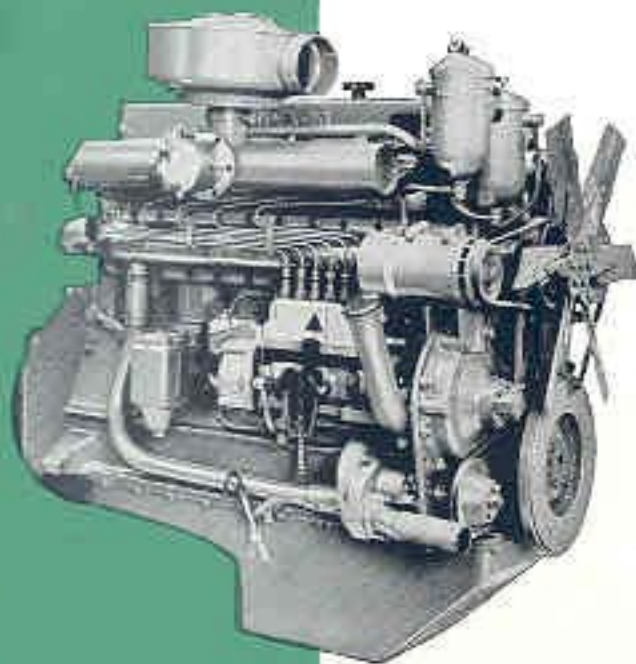
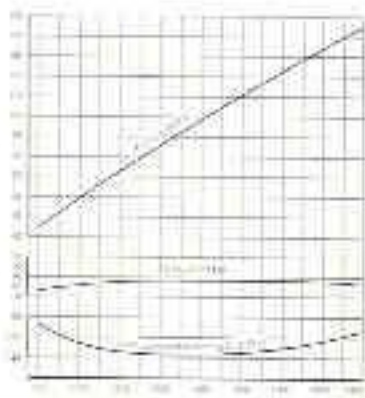
The most suitable driver's cab, perfectly meeting the driver's needs and ample loading space.

The six cylinder four stroke *M* engine D 1246 M 8 model

operating on the M-system - a direct injection process in connection with a hemispherical combustion chamber at the centre of the piston crown - and its distinctive characteristics: **Good starting response - quiet running - good performance - high fuel economy and amazing flexibility throughout the entire speed range.**

Technical data:

Number of cylinders	6
Bore/stroke	112/140 mm (4.41"/5.51")
Piston displacement	8276 ccm (505 cu. in.)
Rating	145 H.P. at 2400 r.p.m.
Torque	44 mkg (316 ft. lb.)
Specific fuel consumption	160 g./PSh (0.36 lb./H.P.h)
Oil consumption	Less than 1 g./PSh (0.0022 lb./H.P.h)



The driver's cab



Driver's cab:

All round steel construction, 2 doors with crank-operated windows, rearview window, windstreams adjustable for ventilation, 2 electric windscreen wipers, rear-view mirror, traffic indicators, electric horn.

First-class interior finish, sun visor, glove box, ceiling lamp, 2 reading lamps, 2 ashtrays, adjustable driver's seat.

Instrument panel with speedometer, oil pressure gauge, cooling water level gauge with control lamp, brake pressure indicator with control lamp, charging control lamp, over speed indicator, control lamp for traffic indicators, starter button.

Standard Equipment

Dynamo, 160 W, 12 volts, Starter, 4 H.P., 24 volts.

2 batteries, 12 volts, each 105 amp.h.

Single-cylinder air compressor.

Headlights with dimming switch and parking light, tail and stop lamps, handlamp with cable, tyre inflator set and hose, towing hooks front and rear, trailer coupling optionally at extra price, hydraulic jack, tool kit.

The Chassis

Chassis

1 1/2 tonne steel str. with 630 E. motor

Quarter mounted, 21 1/2 inch wheelbase, axle with gear AX 1 1/2 model

Chassis frame constructed of channel section with members spaced to give strength

Front axle: Overhead drive axle, semi-elliptical springs

Rear axle: 4 shaft double reduction design with separate shaft and two axles, semi-elliptical springs mounted by rubber springs

Wheels: 4 wheel with tapered axle 7 1/2" dia

Tyre: 13.00.20 with 1000 yield

Sparring gear: 24 Gears

Brakes: Hand brake (on engine) hand brake operated mechanically, rear operated by surge brake cylinder, automatic overrun valve phase, release brake operated through the gearshift via cables

Fuel tank: 100 litre capacity



TECHNICAL DATA OF THE NEW HEAVY DUTY TRUCK MODEL 750 L1

Dimensions

	Truck		Tipper		Semi-trail tractor	
	mm	in	mm	in	mm	in
U - Wheelbase	5200	205"	4600	181"	4700	185"
DA - Overall length	8425	332"	7375	290"	6442	253"
DB - Front vehicle overhang	1035	40 7/8"	1035	40 7/8"	1035	40 7/8"
DC - Rear vehicle overhang	2140	84 1/4"	1740	68 5/8"	1300	51 1/8"
DE - Four wheel overhang	1910	75 1/8"	1510	59 5/8"	1015	40"
DF - Height over cab, empty	2725	107 1/8"	2720	107"	2720	107"
CG - Length of platform	5900	232 1/4"	4850	191"	3880	153"
CH - Width of platform	2330	91 5/8"	2350	92 1/2"	2320	91"
CI - Height of side boards	500	20"	500	20"	400	16"
CJ - Height of platform, loaded	1194	47 1/8"	1194	47 1/8"	1161	45 3/4"
CK - Height of frame, loaded	839	33 1/8"	838	33 1/8"	839	33 1/8"
CL - Height of platform above frame	355	14 1/8"	355	14 1/8"	422	16 5/8"
M - Overall width	2500	98 1/2"	2500	98 1/2"	2500	98 1/2"
N - Tread, front	1880	74 1/8"	1885	74 1/2"	1885	74 1/2"
O - Tread, rear	1710	67 1/8"	1710	67 1/8"	1710	67 1/8"
P - Width over outer rear wheels	2291	90 1/8"	2291	90 1/8"	2291	90 1/8"
T - Frame width	760	30 1/8"	760	30 1/8"	760	30 1/8"
Road clearance, laden front	475	18 7/8"	475	18 7/8"	475	18 7/8"
rear	194	7 7/8"	184	7 3/8"	300	12 1/8"
Minimum track cycle	m	in	m	in	m	in
Minimum turning circle	20.9	830'	19.0	745'	18.4	728'
	320	12.41'	300	11.81'	17.3	687'

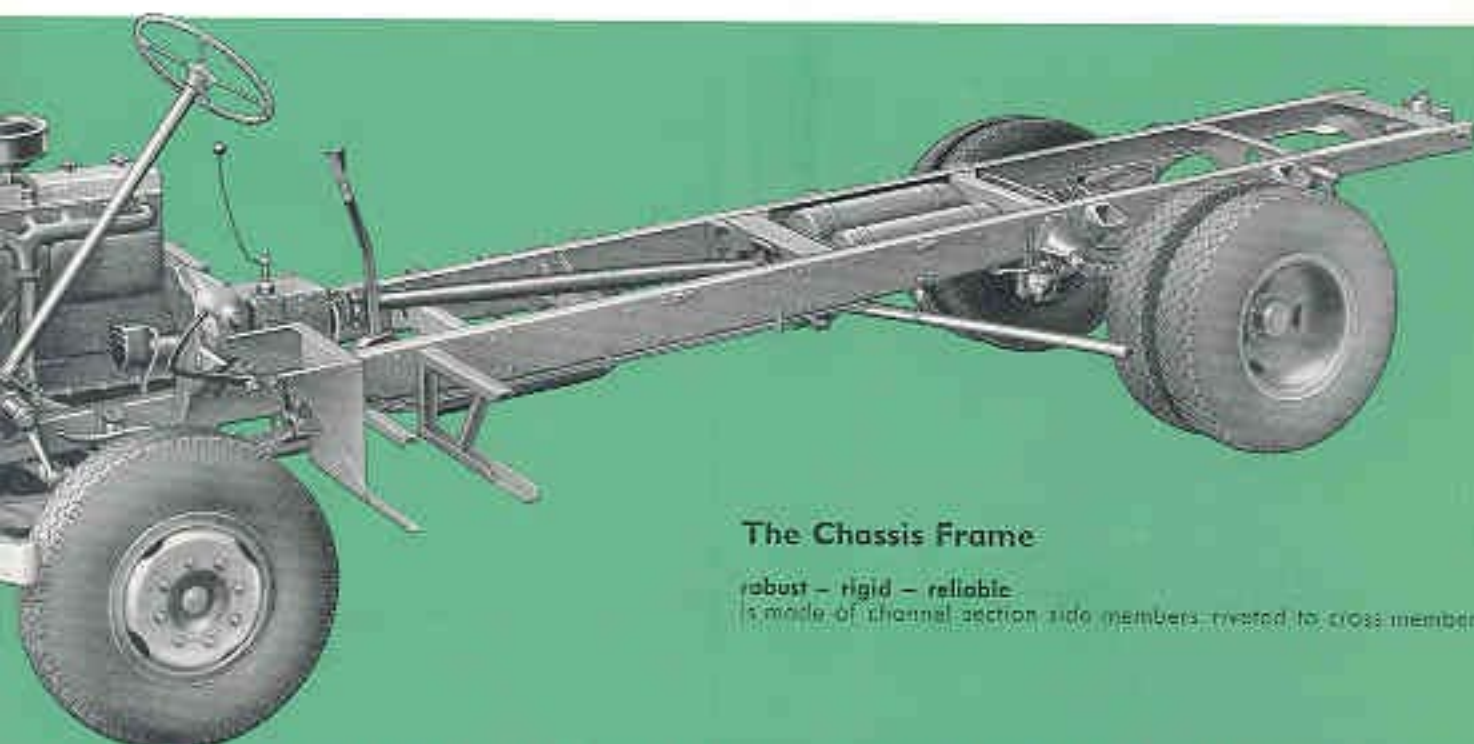
Axle Loads and Weights

	wheelbase	Truck		Tipper		Semi-trail tractor	
		5200	205"	4600	181"	4700	185"
		kg	lb	kg	lb	kg	lb
Weight of chassis with driver's cab		4500	10 000	4470	9 850	4710	10 400
Chassis carrying capacity with driver's cab provided		8180	18 000	8220	18 150	8290	18 290
Permissible gross vehicle weight		12 700	28 000	12 700	28 000	12 700	28 000
Permissible front axle load		4000	8 800	4000	8 800	4000	8 800
Permissible rear axle load		9 000	19 800	9 000	19 800	9 000	19 800
Gross weight		8 500	18 700	8 240	18 150	8 500	18 700
Load capacity in body up to		7 200	15 900	7 480	16 450	8 800	19 300
Gross tractor load		14 000	30 800	14 500	32 000	16 000	35 300
Gross train weight		28 700	63 300	28 700	63 300	28 700	63 300
Permissible 5th-wheel load							
(incl. spare wheel and 5th wheel arrangement)							
Permissible gross weight of tractor with articulated trailer						4 750	10 500
1 - min trailer						22 700	50 000
2 - axle trailer						28 700	63 300

Speeds, Reductions and Climbing Ability with 5-speed easy shift gearbox AK 5-33

Truck weight	kg (lb.)	12 700 (28 000)	12 700 (28 000)	12 700 (28 000)
Gross trailer weight	kg (lb.)		12 000 (26 400)	16 000 (35 300)
Gross train weight	kg (lb.)		24 700 (54 500)	28 700 (63 300)
Road axle reduction		7.36		
Gearbox ratio		Speeds in km/h (m.p.h.) at max. engine speed		Climbing ability %
1. speed	1 = 6.05	10.0 (6.2)	5.6 (3.5)	30.5
2. speed	2 = 3.98	19.2 (11.8)	10.6 (6.6)	14.4
3. speed	3 = 2.9	29.0 (18.0)	16.3 (10.0)	8.7
4. speed	4 = 1.875	41.6 (25.8)	24.6 (15.1)	5.2
5. speed	5 = 1.5	54.5 (33.7)	34.0 (21.1)	2.9
Reverse speed	6 = 3.96	10.2 (6.4)	6.0 (3.7)	27.5

* only applicable to truck without trailer at rated engine speed



The Chassis Frame

robust - rigid - reliable

is made of channel section side members riveted to cross members

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