



MACK

The Greatest Name In Trucks

Interstater

MODEL

FM 786T

4 x 2

Description

First of the Interstaters with a wheelbase dimension comparable with those from European and Scandinavian manufacturers. This has been achieved by relocation of the front axle rearwards, immediately gaining improvements to ride and handling characteristics.

More weight can be carried on the front axle, a better turning circle is possible and an improved ride results from use of much longer front springs.

Maxidyne engines were specially developed several years ago to provide high torque back up resulting in less gear changing, longer engine life and improved fuel consumption. With the addition of the MACK air to air combination intercooler increased power has been possible without increase in rpm or cylinder head temperatures: there being no loss in engine life as a result.

Model FM 786T

WHEELBASE: 134" (3404mm)

ENGINE: MACK ETAB 6768

Type: In line 6 cylinder, Turbocharged, Over Chamber, Intercooled

Bore and Stroke: 4 1/2" x 6in (124mm x 152mm)

Rated Displacement: 672 cu. in. (11.0 litres)

Power Output (to BS A4 141a): 306 bhp @ 1800 rpm

Max. Torque (to BS A4 141a): 1150 lb-ft @ 1200 rpm (1559.1 Nm)

Air Cleaner: dry type

Engine Brake: Mack Dynastand

CLUTCH: SPICER CLS 751

Type: Twin plate, self adjusting, ceramic disc

Area: 144 sq. in. (9300 sq. mm)

TRANSMISSION: MACK TRDLD 1070

Type: Maxitorque, constant mesh, triple clamber shaft

Speeds: 7 speeds (five plus two from split shaft on fourth and fifth gears)

Ratio: 8.00, 4.00, 2.04, 1.66, 1.29, 1.00, 0.70

FRONT AXLE: MACK FAW 537C

Type: Reverse Float, drop forged 1" shaft

Capacity: 13,200 lbs (5987 Kg)

REAR AXLE: MACK RAD 529C

Type: Double reduction, total level unit

Ratio: 4.25:1

Capacity: 22,000 lbs (10,433 Kg)

FRAME: MACK Heat treated, High tensile

Yield Strength: 110,000 psi

Dimensions: 13 1/2" x 3 1/2" x 5" (343mm x 89mm x 127mm)

BRAKE SYSTEM Full Air

Type: Three line system: 5" cam operated, Spring parking brakes to front & rear axles

Lining Area: 4866cm² 754A²

Dimensions: Front Rear

Drum Diam. 16.5in (420mm) 16.5in (420mm)

Width: 5.0in (127mm) 7.0in (178mm)

Thickness: 0.75in (19.0mm) 0.75in (19.0mm)

Automatic Drain Valve: Ratic

STEERING GEAR: Integral, full power

Type: SCP 52

ELECTRICAL SYSTEM: 12V 90 amp alternator

Batteries: 4 x 6 volt

Lighting circuit: 12 volt

Starter circuit: 24 volt

MACK TRUCKS

AUTOLIT



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FUEL TANKS: 2 Round, Steel

Position: Inboard Offside
Capacity: 90 gals (410 Ltrs) 120 gals (540 Ltrs)

WHEELS: Cast Spoke

Size: 8.0" rims

TYRES: 11.00 x 20

Make: Michelin RZ2 165T or similar
Spare wheel and tyre supplied.

CAB: MACK **CASD 58**

- Type: All steel, Roll-over tender.
- Single bunk, Left-hand drive.
- Hydraulic 00° cab tilt.
- Tinted laminated screen.
- National Customary driver seat.
- Driver Hider Seat.
- External tool and luggage compartments.
- Two Grovir air horns.
- Water.

INSTRUMENTATION:

Speedometer, oil pressure, voltmeter, tachometer, water temp., air pressure gauge with low pressure decet.

ENGINE PROTECTION:

Water alarm for low water level, high water temp., low oil pressure.

OTHER EQUIPMENT:

- Tyre inflation valve and hose.
- Shower hose (optional system).
- Chrome grill.
- Aluminum bumper (optional).
- Tow hook.
- Tool Kit.

UNLADEN WEIGHT: 6200 Kgs approx. (inc. 5th wheel)

DESIGN WEIGHT: 37.4 tons (38,000 Kgs)

PLATED WEIGHT: 32 tons (32,512 Kgs)

DIMENSIONS



Model	Wheelbase (mm)		Wheelbase (in)		Wheelbase (mm)	Wheelbase (in)	Wheelbase (mm)	Wheelbase (in)
	SA	SB	SA	SB				
11.00 x 20	2720	3020	107.1	119.0	2420	95.3	2720	107.1

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Dimensions subject to revision. © Mack Trucks, Inc. 1988

Specifications subject to change without notice. Illustrations are not necessarily a representation of standard specifications.

"Built like a Mack Truck"

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