

# Introducing

the powerful **MACK**<sup>®</sup>

# MID-LINER<sup>®</sup>

Tractor



MS300T



# The Mack Mid-Liner **MS300 TRACTOR**

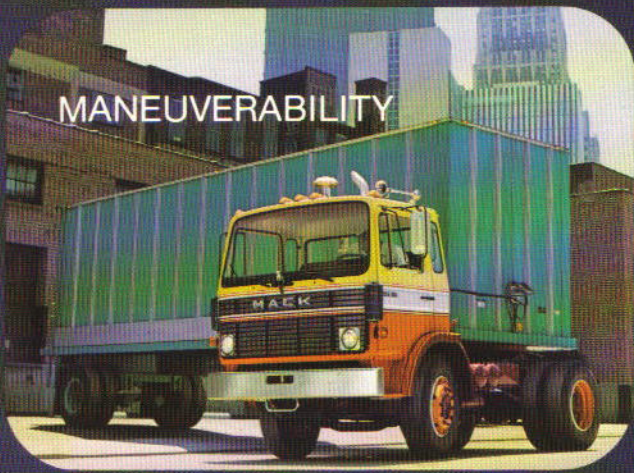
Here is a highly maneuverable medium-duty diesel tractor, designed specifically to haul payloads through narrow city streets with ease. GCW up to 60,000 pounds. You can count on this Mack Mid-Liner for outstanding fuel economy, low maintenance, 'round-the-clock dependability, and excellent driveability in a comfortable cab. The Mack MS300T is built for strong, reliable performance.











- **Maneuverability**

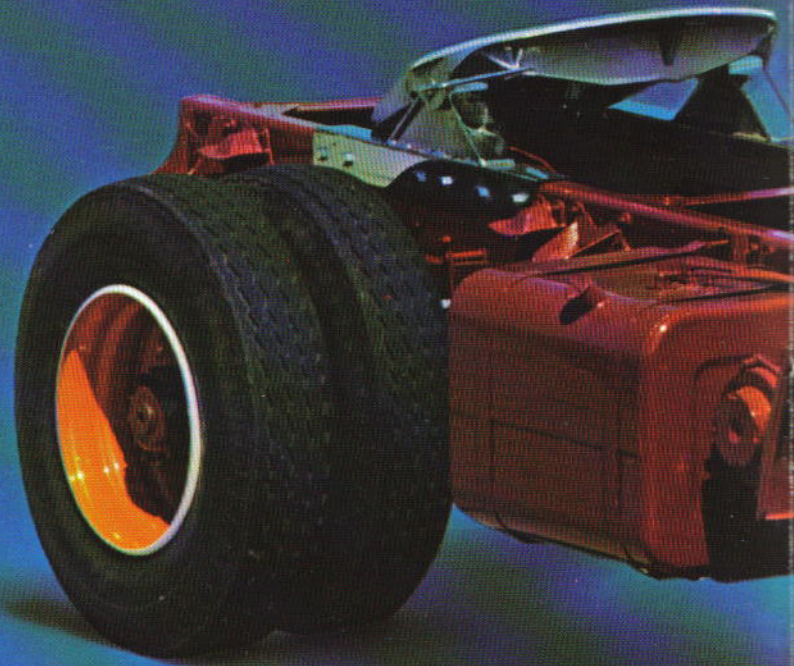
Because of its cabover configuration, the Mack Mid-Liner MS300 TRACTOR has a short wheelbase, a turning radius as tight as 42', and a thoroughly modern cab with great visibility and driveability to get you through narrow or congested streets and varying terrain.

- **Strength**

Rugged components everywhere. The rear suspension with multi-leaf main and helper springs is capacity-matched to a tough 20,000-lb. (9 100 kg) rear axle [22,000-lb. Eaton 2 speed and 22,500-lb. single rear axle (10 000 kg and 10 125 kg) are optional]. The eye-and-slipper multi-leaf front suspension has a capacity equal to the RVI 9,500-lb. (4 310 kg) front axle. All supported by a 9-inch (234 mm) deep, 40,000-psi (276 MPa) yield frame...strong enough to carry the big loads, rigid enough to resist bending and twisting forces, durable enough to take shock and vibration.

- **Power**

Mack Mid-Liner Tractor is powered by a 210-horsepower (157 kW) diesel engine...power to pull the heavy loads with proven diesel economy. Turbocharged for top efficiency, with maximum torque of 528 lb.-ft. (716 N•m) at 1500 RPM. RVI synchromesh 5-speed transmission for easier shifting. Viscous fan drive operates on demand, only when fan horsepower is needed, to save fuel.





A versatile new tractor with all the advantages of a COE... Mack Mid-Liner  
**MS300 TRACTOR**

A tough mid-range tractor designed to handle the jobs that call for strength, while utilizing the visibility, maneuverability of a cabover, and diesel power advantages demanded of outstanding medium-duty trucks.





# Standard Specifications

## Mack Mid-Liner

<b>Engine</b>	
Model	MIDS 06.20.30
Type	Turbocharged diesel
Horsepower	210 hp (157 kW) SAE @ 2300 RPM
Torque	528 lb.-ft. (716 N•m) @ 1500 RPM
Bore/stroke	4.72" x 5.12" (120 mm x 130 mm)
Displacement	537 cu. in. (8.8L)
Radiator	675 sq. in.
Fuel pump	Robert Bosch "P"
Governor	Robert Bosch RQVK
Turbocharger	Airesearch TO4BVI A/R 1.52
Cold start aid	Provisions for ether capsule
Oil, fuel & water filters	Spin-on type (disposable)
Fan	Viscous fan drive
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<b>Transmission</b>	
Model	RVI BDSL2142
No. of speeds	5
Type	Synchromesh
Ratios	5.5, 3.08, 1.72, 1.0, .71, R-5.0
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<b>Rear axle</b>	
RVI 20,000-pound (9 100 kg) capacity	
<b>Rear suspension</b>	
Multi-leaf main and helper springs; capacity equal to rear axle	
<b>Drive shaft</b>	
Dana 1610	
<b>Clutch</b>	
15-inch (381 mm) diameter, single plate, hydraulic, air assist control	
<b>Brakes</b>	
Dual full air, front - 15 x 4, rear - 16½ x 7 spring-loaded parking brake	
<b>Front axle</b>	
RVI 9500-pound (4 310 kg) capacity	
<b>Front suspension</b>	
Eye-and-slipper multi-leaf spring. Capacity equal to front axle.	
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<b>Wheelbase</b>	
112 inches (284 cm)	
<b>Frame</b>	
9.21 x 2.75 x 0.275 inches (234 mm x 70 mm x 7 mm); 40,000 psi (276 MPa) yield; 34.0-inch (863 mm) frame width	
<b>Electrical system</b>	
12-volt negative ground Starter, Delco 40MT/400 Motorola alternator, 45 amp. Delco 1200 maintenance free batteries.	
<b>Tilt cab</b>	
52° tilt, front torsion bar assist rubber pads and shocks on rear, 4-point cab mounting.	
<b>Cab construction</b>	
All-steel, spot-welded, durable, built to last	
<b>Windshield</b>	
1968 square inches (12 700 cm <sup>2</sup> )	
<b>Air filter</b>	
Donaldson dry-type with restriction gauge and water evacuator.	
<b>Bumper</b>	
Center-mounted tow pin	
<b>Fuel tank</b>	
55 gallons (208 L)	
<b>Wheels, tires</b>	
Steel disc, 10 x 22.5 tubeless, bias ply	
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<b>Cab equipment</b>	
Driver's seat, two-man bench, three seat belts, 27,400 BTU/HR @ 100° F. (0.4 kW/° C) heater and defroster, left-hand and right-hand sun visors, West Coast rear view mirrors, clear laminated windshield glass, clear tempered door and window glass, C.V. windows in doors, dual front turn signals, turn signal switch, hazard switch, speedometer showing miles per hour and kilometers per hour and with odometer showing miles, tachometer, fuel gauge, dual air pressure gauge, oil pressure gauge, engine coolant temperature indicator, trailer connection with breakaway safety valve with hand control breakvalve, five I.D. and clearance lamps, key start, two-speed electric windshield wipers, washer, cigar lighter, ash trays, electric horn, headlight switch, low-beam/high-beam switch, ICC and clearance light switch, and coat hooks. Roof reinforcement for local installation of air conditioning.	
<b>Indicator lights</b>	
Oil pressure, electrical charging, coolant temperature, directional signals, headlights (high-beam indicator), parking brake, low air/hydraulic brake pressure.	

# Options

## Transmissions

1. 5-speed RVI BDSL2152 (synchronmesh) (For use with 2-speed rear axle)
  2. 10-speed RVI BDSL2052R (synchronmesh)
  3. Allison MT643 (available Aug. '81)
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## Rear axle

RVI 22,500 lbs. (10 125 kg) or Eaton 2-speed 22,000-lb. (10 000 kg) with matching multi-leaf suspension.

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## Tires

1. 9.00 - 20 tube type (radial and bias)
  2. 10.00 - 20 tube type (radial and bias) & tubeless equivalent.
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## Power steering

(integral)

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## Electrical

Motorola 70-amp. alternator

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## Fuel tank

75-gallon rectangular steel

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## Cab equipment

1. Suspension seat - driver only
  2. Seat belt retractors (3)
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## Exhaust

Vertical exhaust

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## Paint

Cab (All Mack colors) Chassis running gear (RVI red)

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## Airhorn

Single

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Mack's tradition for quality assures the medium-duty truck buyer that Mid-Liner MS300T is a valuable, productive addition to any operation. Mack Sales, Parts and Service Centers are readily available throughout the United States. Parts and components are made by the best names in the truck industry, and Mid-Liner's design allows for easy accessibility to components regularly maintained. Mid-Liner also offers substantial warranty protection, competitive with any truck in its class. The Mack Mid-Liner MS300T is designed to give you a long working lifetime with lower operating costs. It's a great new truck we're proud to offer you, and you'll be glad you invested in it.





**Coast-to-Coast  
Coverage**

Over 200 Mack Mid-Liner  
Parts and Service Centers  
to serve you.

Mack understands that getting fast, reliable service when you need it is important to the profitability of your trucking operations. That's why the more than 200 Mack Mid-Liner Parts and Service Centers throughout the U.S. are ready to meet your needs. They're stocked with quality parts and staffed with trained professionals to help make sure your Mack Mid-Liner gives you long years of excellent performance.



**MACK**<sup>®</sup>  
**TRUCKS**



One of The Signal Companies

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