



M-75SX

75 ton end dumper



MACK traditional dependability and long history of off-highway manufacturing skill are proof of cost-cutting performance by this 75-ton, six wheel, end dumper model M-75SX.

EXTENDED TIRE LIFE results from a firm front end alignment provided by the solid Mack front axle and rear tracking afforded by a Mack bogie leaf-spring and walking beam suspension.

CHOICE OF DEPENDABLE DIESEL HORSEPOWER to economically meet particular operations is provided by single 4-cycle or 2-cycle engines, each developing 700 horsepower.

Low Loading Height - under 12 feet.

OPTIMUM PERFORMANCE is assured with service-proven six-speed torque converter transmission.

SIX-WHEEL ADVANTAGES of better traction, greater stability, improved tire wear, safer dumping and reduced road wear are assisted by the self-steering and reduced maintenance qualities of a Mack Balanced Bogie. Increased up-time is assured by the carrier's single reduction gearing and a unique Mack Planidrive located at wheel ends—easy to service.

CHASSIS FRAME is stress-analysis designed for the ultimate in strength and durability.



M-75SX-R

Spacious single man cab showing driver, proven 3-way adjustable seat, human engineered controls and instruments, wide view visibility taking full advantage of cab forward position.

Weight saving is afforded by the scoop-end body at 100,000 psi yield strength with a single floor design. Exhaust heating connections are made at the hinge point and are not interrupted by body raising.



M-75SX-C

MACK TRUCKS, INC.

ONE OF THE SIGNAL COMPANIES

ALLENTOWN, PENNSYLVANIA.
THE TRUCK CAPITAL OF THE WORLD

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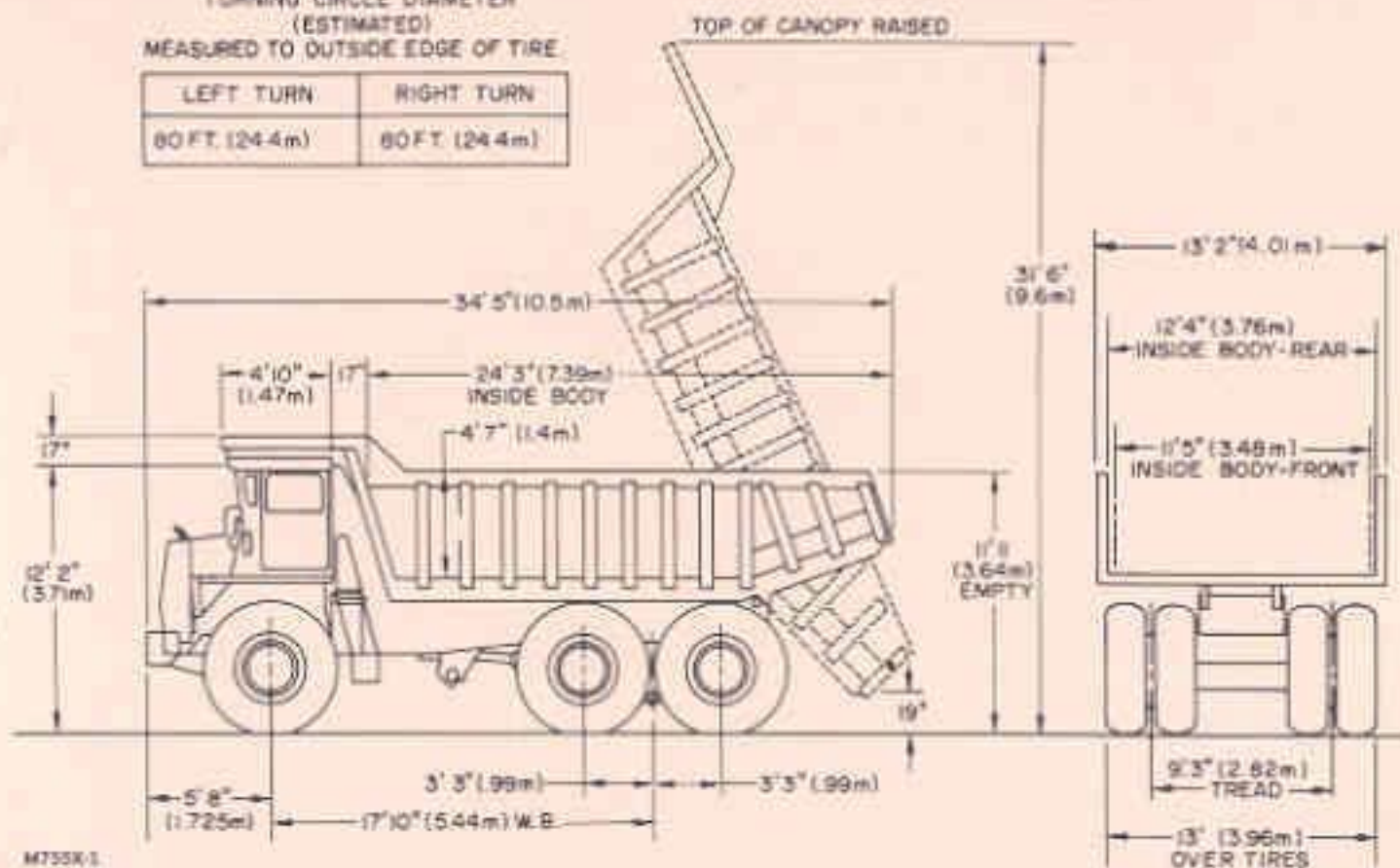


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Model M-75SX chassis diagram

TURNING CIRCLE DIAMETER
(ESTIMATED)
MEASURED TO OUTSIDE EDGE OF TIRE

LEFT TURN	RIGHT TURN
80 FT. (24.4m)	80 FT. (24.4m)



*CAPACITY AND WEIGHT GUIDE (PAYLOAD 150,000 lbs.) (68,000 kg)

TIRES (Tubes)	TYM	Chassis & Hoist		Chassis Hoist & Body		Maximum GVW	
18,00x55 (36PH)	Total	80,000 lbs.	36,300 kg	105,000 lbs.	47,600 kg	255,000 lbs.	115,600 kg
	Front	52,850 lbs.	23,900 kg	56,270 lbs.	25,450 kg	51,350 lbs.	23,300 kg
	Rear	47,150 lbs.	21,400 kg	68,750 lbs.	31,150 kg	203,650 lbs.	92,300 kg

* These weights are nominal averages subject to variations inherent with slight differences in body, hoist and chassis specifications. Weight and load distribution for grossals and sales should be individually estimated.

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

MACK TRUCKS, INC. Allentown, Pa. *The Truck Capital of the World*
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MODEL M-75SX

STANDARD EQUIPMENT (Cont'd)

WHEELS:

Type Cast, spoke

STEERING GEAR:

Model SGH 541
 Type Hydrostatic
 Steering wheel, diameter 20"
 Power steering Dual hydraulic booster

CAB:

Model CA 51
 Type One-man, Heavy-Duty, closed.
 Cab offset to left of chassis centerline provides clear vision for driver to rear. Extended cab roof for windshield protection. Reverse slope windshield of Solex (tinted) glass. Single dome light.
 Insulation Consists of cellular rubber on roof & back panel—double wall cowl sheet with fiber board filler.
 Width, overall 56"

INSTRUMENT PANEL: Tachometer, single hand type, speedometer, clock type engine hour meter; transmission and converter gauges, voltmeter; water temperature gauge; air pressure gauge; lube oil pressure gauge; starter button; light switch; stop-start control; headlight hi-beam indicator light; back-up indicator light; key switch; speedometer.

CHASSIS EQUIPMENT: Painting in synthetic enamel Mack orange; integral radiator guard; front and rear tow pins; air horn; hand control valve to operate rear service brakes; windshield wiper; Wig Wag low air pressure indicator; air operated radiator shutters; rear view mirror, left side; modified channel type front bumper; twin headlights; back-up light; stop-tail light; rim lug wrench and handle; back-up horn alarm.

BODY (Vertical Sides):

Type Scoop end
 Capacity, line of plate 44 cu. yds.
 *heaped (S.A.E. rating) 56 cu. yds.
 Length, inside 291"
 Width, inside, front 137"
 inside, rear 148"
 Depth 37"

Construction (Single Floor) Body Plates—front header (sloped), 1/2"; shell sides, 1/2"; wear plates, 3/4"; bevel plates, 1/2"—all Ultra-strength 100,000 psi (yield). Canopy, 3/16" high strength 50,000 psi (yield). Canopy toe board, front and sides, 10". Body position indicator. Equipment: Exhaust heating of body, entry at rear hinge. Mounting Polyurethane rubber pads
 *Indicated body size (struck) based on rated capacity with 3180 material. Body subject to change to suit payload density.

HOIST:

Model UT93-139
 Type Twin, double-acting, outboard, mounted three-sleeve telescopic cylinders directly connected to body and chassis with self-aligning bushings to provide a 65° dumping angle. Power down with snubbing action.
 Pump, capacity 90 gpm @ 1200 rpm
 Drive Chelsea PTO, disconnect type
 Control valve Four-positions; spring loaded to hold position. Float position derated.
 Body rise time 33 seconds @ 1600 engine rpm
 24 seconds @ 2100 engine rpm

OPTIONAL EQUIPMENT

ENGINE, (Diesel):

Make & Model	Cummins VTA-1710C	Detroit Diesel 16V71T-N75
No. of Cylinders	12	16
Bore & Stroke	5 1/2" x 6"	4 1/2" x 5"
Displacement, cu. in.	1710	1134.8
B.H.P. @ gov. r.p.m.	800 @ 2100	700 @ 2100
Max. torque, lb. ft. @ r.p.m.	2200 @ 1550	1910 @ 1400

TRANSMISSIONS & CONVERTERS

Make & Model	Clark, 1600	TAC 3100, Twin disc
Type	Separate torque converter with lock-up and 8 forward & 4 reverse speed transmission with selective hydraulic power shift control.	Separate torque converter with lock-up and 5 speed power shift transmission with electric shift control.
Ratios	Forward 4.21, 3.15, 2.34, 1.74, 1.34, 1.00, 0.74, 0.55; Reverse: 4.21, 2.34, 1.34, 0.74.	Forward 4.68, 2.19, 1.53, 1.09, 0.765; Reverse: 4.68
Hydraulic Retarder	Integral	Integral
Power-take-off	None—direct drive on accessories such as power steering & hoist pumps.	Disconnect type, 8 bolt.

BOGIE:

Model SWS72A
 Type Interaxle differential is omitted

TIRES, (Tubed):

Size 18.00-33 (36P)
 Rims 15.00"
 Type, Tread Lug

CHASSIS EQUIPMENT: Tachograph, Wagner "BB" (24 hour chart 3500 r.p.m.) in place of standard tachometer; engine high water temperature and low oil pressure alarm; brake alcohol vaporizer; 35,000 B.T.U. hot water cab heater with defrosters; hub-odometer; additional stop-tail light; spare rim.

BODY EQUIPMENT: (13) 3/4" x 6" alloy wear bars; rock ejectors; rock guards, over rear tires (shipped loose for installation by customer); twin body props.

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