



M-50AX

50 ton end dumper

M50AX.1



MACK traditional dependability and long history of off-highway manufacturing skill are proof of the lowest cost per ton performance by this 50-ton, four-wheel, end dumper model M-50AX.

EXTENDED TIRE LIFE results from a firm front-end alignment provided by the solid front axle and rear wheel tracking afforded by a rear axle and torque rod suspension.

CHOICE OF DEPENDABLE DIESEL HORSEPOWER to economically meet

particular operations is provided by a 635HP engine.

EXCELLENT MANEUVERABILITY — turns in a 30 foot radius.

MACK SUSPENSION assures an excellent ride both loaded and empty.

INCREASE UP TIME by Mack's rear axle with unique Mack Plaindrive gearset — located at wheel ends — easy to service.

LOW LOADING HEIGHT — only 12 ft.



M50AX.2

MACK TRUCKS, INC.

ONE OF THE SIGNAL COMPANIES

ALLENTOWN, PENNSYLVANIA.
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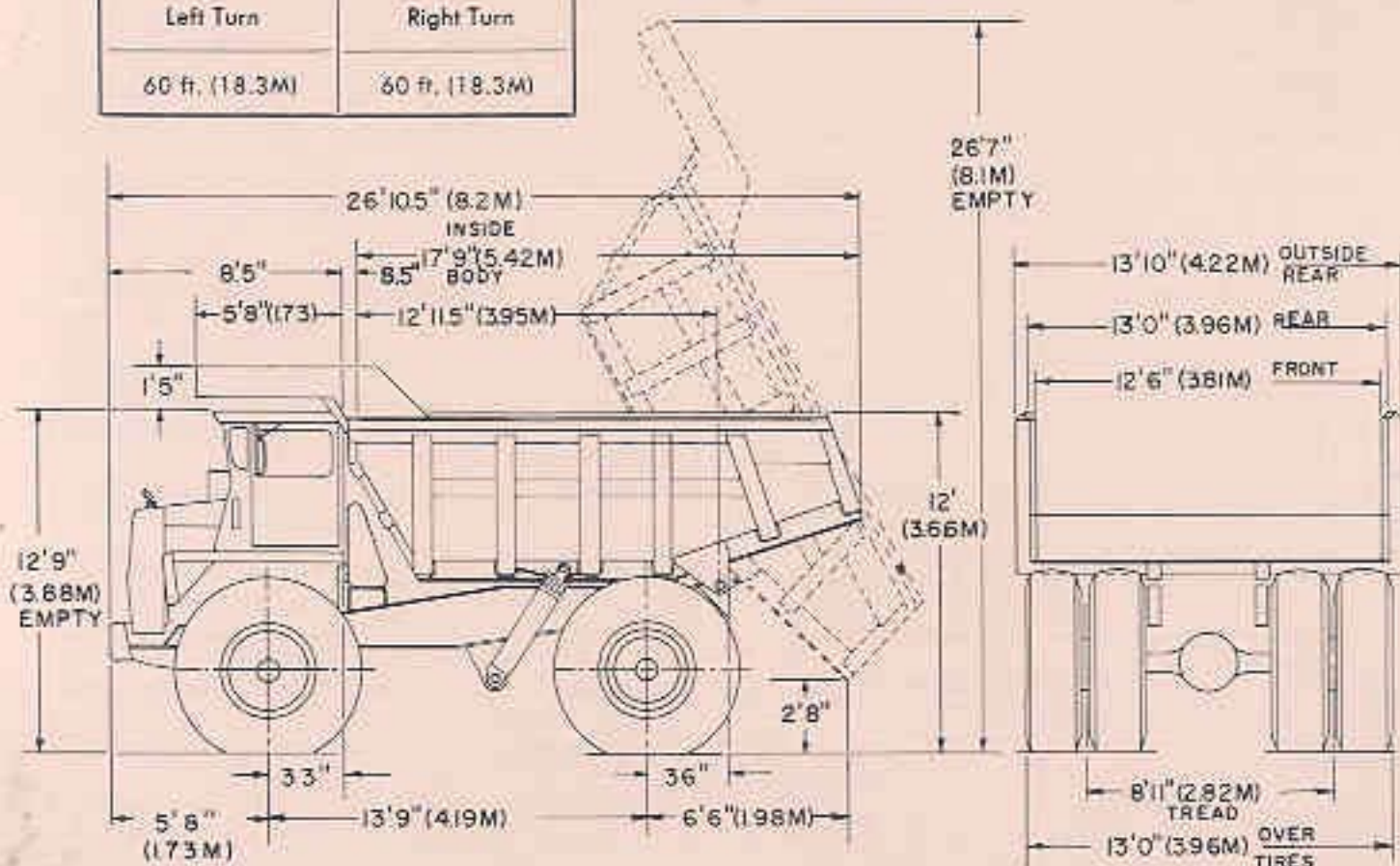
Model M-50AX chassis diagram

CURB CLEARANCE CIRCLE

(Estimated)

Measured to outside edge of tire.

Left Turn	Right Turn
60 ft. (18.3M)	60 ft. (18.3M)



*CAPACITY AND WEIGHT GUIDE — (PAYLOAD 100,000 lbs.) (45,400 KG)

Tires (Tubeless)	Item	Chassis & Hoist	Chassis, Body & Hoist	Maximum GVW
21.00 x 35 (32PR) Front & Rear	TOTAL	54,500 (24,700 KG)	74,500 (33,800 KG)	174,500 (79,200 KG)
	Front	29,200 (13,250 KG)	34,650 (15,700 KG)	52,650 (23,900 KG)
	Rear	25,300 (11,450 KG)	39,850 (18,100 KG)	121,850 (55,300 KG)
	Dist. %	54-46	47-53	30-70

* These weights are nominal averages subject to variations inherent with detail differences in body, hoist and chassis specifications. Weights and load distributions for proposals 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-50AX

STANDARD EQUIPMENT (Cont'd)

SPRINGS (Continued):

Rubber block	Rectangular
Model	0260177
Size	16.7" x 4.4" x 6.9"
Rear	
Type	Semi-elliptic, Constant Frequency
Length (load centers)	72"
Width	5"
Leaf thickness	.768
Number of leaves	12
Shot peened	Tension side all leaves
Suspension	Cam face slipper ends with radius rods
Radius rods	Box section, self-aligning bushings each end

TIRES:

Size	21.00-35 (32PR)
Rim	15.00
Type, Tread	Lug

STEERING GEAR	SGH511
STEERING WHEEL	Dis. 20"
POWER STEERING	Dual hydraulic booster

CAB: (Mack)

Model	CA 31 (offset)
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 glass. Single dome light. Reflector seat.
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; clutch rpm engine hour meter, transmission and converter gauges; volt meter; water temperature gauge; oil pressure gauge; light oil pressure gauge; mirror, horn; light switch; wiper control; headlight beam adjustment light; key switch; speedometer.

CHASSIS EQUIPMENT: Painting in synthetic enamel Mack system; integral radome guard; front and rear tow pins; air hose; hand control valve to operate rear service brakes; windshield wiper; Wig-Wag low air pressure indicators; air operated radiator shutters; rear view mirror, left side; modified chassis type front bumper; hoist and steering pumps; Solex glass for wind shield; back-up light; twin headlights; amp rail light; rear fog wipers and fan; back-up horn alarm.

WHEELS:

Type	Cast spoke
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BODY (Vertical Sides):

Type	Scoop end
Capacity, line of plate	32 cu. yds.
heaped (S.A.E. rating)	39 cu. yds.
Length, inside	17'-9"
Width, inside (front)	150"
inside (rear)	136"
Depth	57"
Construction: (Single Floor) Body Plates—Front header (sloped) 1/2"; shell sides, 1/2"; floor 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: rear entry exhaust bearing. Hinge pin lock—(for raised body position).	
Mounting	Three polyurethane pads per rail

HOIST:

Model	1T92-75
Type	Twist, double-acting, out-board mounted, two-sleeve telescopic cylinders directly connected to body and chassis with self-aligning bushings to provide a 68° dumping angle. Power down with snubbing action.
Pump, capacity	56 gpm @ 1000 rpm
Drive	Chakra PTO
Control valve	Four-positions; spring loaded to hold position. Float position detented.
Body rise time	.24 second @ 1600 engine rpm

OPTIONAL EQUIPMENT

ENGINE (Diesel):

Make	*Detroit Diesel
Model	16V71-N65
No. of Cylinders	16
Bore and Stroke	4 1/4" x 5"
Displacement, cu. in.	1134.8
Brake H.P. @ 900 rpm	635 @ 2100
Max. Torque, lb. ft. @ rpm	1728 @ 1400

BODY EQUIPMENT: Thirteen 1/2" x 6" alloy wear bars. Rock electric. Body liner wear plates.

CHASSIS EQUIPMENT: Tachograph, Wagner "88" 124 hour (over 3500 miles) in place of standard tachometer; brake alcohol evaporator; 35,000 B.T.U. hot water cab heater with defroster; hub-dynamo; additional amp rail light; spare rim.

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