



M-35AX

35 ton end dumper



MACK MODEL M-35AX is a four-wheel, diesel powered, end-dump truck with an increased payload capacity due to a saving in vehicle weight.

MACK'S EXTRA MARGIN OF STAMINA is provided yet vehicle weight has been held to a minimum through the use of ultra-strength (100,000 psi) alloy material.

DEPENDABLE DIESEL POWER is supplied by a standard 420 HP, 6 cylinder turbocharged 4-cycle engine or optional 434 HP, 2-cycle engines and 4-cycle 450 HP engines.

POWER SHIFTED, CONVERTER TYPE TRANSMISSION is furnished as standard.

MACK BUILT REAR AXLE RASP 1207 has Mack single reduction, four-pinion differential and full floating Mack Planidrive at wheel ends. The Mack front axle is tubular for improved capacity with dual cylinder full hydraulic power steering.

WELL BALANCED DESIGN throughout results in excellent maneuverability and driver ease of handling despite the high payloads and great size.



ANOTHER MACK EXCLUSIVE! Continuous exhaust heating is provided as standard equipment. This system located at the body hinge eliminates objectionable fumes in the cab and reduces noise during dumping cycle.

MACK TRUCKS, INC.
ONE OF THE SIGNAL COMPANIES

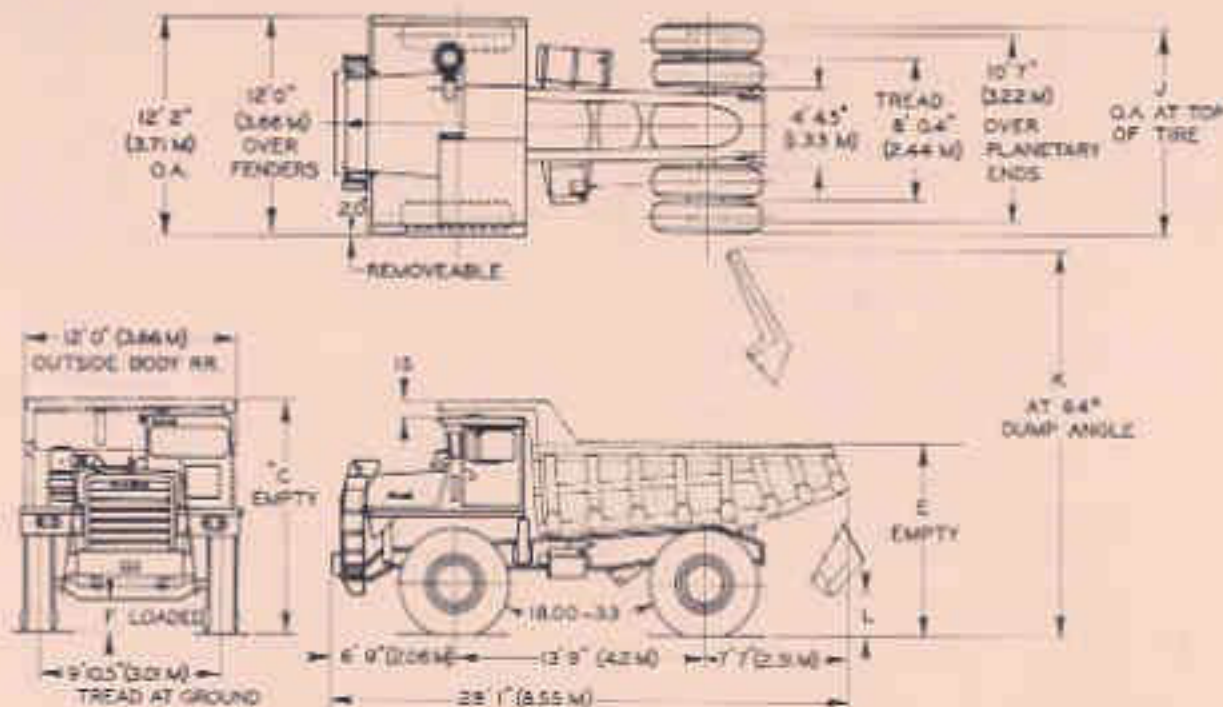
ALLENTOWN, PENNSYLVANIA.
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Model M-35AX chassis diagram



	*C	E	F	J	K	L
18.00x25	13'2" (4.02M)	10'4" (3.15M)	18.5" (.47M)	11'7" (3.53M)	24'1" (7.33M)	19" (.483M)
18.00x33	13'6" (4.12M)	10'8" (3.25M)	22.5" (.57M)	11'8" (3.56M)	24'5" (7.43M)	23" (.583M)

*Dimension "C" varies with style of cabs.

CAPACITY AND WEIGHT GUIDE—PAYLOAD 70,000 LBS (31,800KG)				
TIRES (Tireline)	ITEM	Chassis & Hoist	Chassis, Body & Hoist	Maximum GVW
18.00x25 (32PR) Front & Rear	Total	57,500 (17,000KG)	58,800 (26,650KG)	128,800 (58,450KG)
	Front	22,850 (10,350KG)	27,250 (12,350KG)	40,750 (18,500KG)
	Rear	14,650 (6,650KG)	31,550 (14,300KG)	88,050 (39,950KG)
18.00x33 (28PR) or (32PR) Front & Rear	Total	59,700 (18,000KG)	61,000 (27,650KG)	151,000 (59,450KG)
	Front	23,600 (10,700KG)	28,000 (12,700KG)	41,500 (18,850KG)
	Rear	16,100 (7,300KG)	33,000 (14,950KG)	80,500 (40,600KG)

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

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MODEL M-35AX

STANDARD EQUIPMENT (Cont'd)

SPRINGS:

Front	
Type	Semi-elliptic, Vari-rate
Size, length (between load centers)	54"
Width	5"
Shot peened	Tension side all leaves
Suspension	Cam face slipper ends with radius rods
Rear	
Type	Semi-elliptic, Vari-rate
Length	46" at rated load
Width	5"
Shot peened	Tension side all leaves
Suspension	Cam face slipper ends with radius rods, integral with springs

TIRES, (Tubeless):	Front	Rear
Size	18.00-25 (32PR)	18.00-25 (32PR)
Rims	15.00	15.00
Type, Tread	Lug	Lug

WHEELS:

Type	Cast, spoke
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STEERING:

Model	SGH 54
Type	Hydrostatic

CAB: (Mack)

Model	CA 51 (offset)
Type	Heavy-Duty off-highway, closed. Cab offset to left of chassis centerline provides clear vision for driver to rear. Extended cab roof for windshield protection. Recreant slope windshield of Soler glass. Single dome light.
Seating, riders	One-man
Width, overall	56"
Insulating trim	Ceiling & back panel

INSTRUMENT PANEL: Tachometer, single hand type; clock type engine hour meter; water temperature gauge; air pressure gauge; lube oil pressure gauge; status switch; light switch; stop-start control; headlight hi-beam indicator light; voltmeter; speedometer.

CHASSIS EQUIPMENT: Painting in synthetic enamel (Mack orange); integral radiator guard; front and rear tow pins; air horn; dual windshield wipers; Wig Wag low air pressure indicator; air operated radiator shutters; rear view mirror, left side; modified channel type front bumpers; twin headlights; impact light; rim lug wrench and handle. Back up alarm (intermittent horn) rear belt; Back Up Light.

BODY (Vertical Sides):

Type	Scoop end
Capacity, line of plate	25 cu. yds.
heaped (S.A.E. rating)	28 cu. yds.
Length, inside	16'8"
Width, inside front	10'5"
inside rear	11'1"
Depth at front	53"
at hinge	44"

Construction: Body Plates — Front header 3/8"; shell sides, 1/2"; single floor, 3/4"; bevel plates, 5/8" — all Ultra-strength 100,000 psi (yield). Canopy, 3/16" high strength 50,000 psi (yield). Canopy toe board, front and sides, 5". Body position indicator. Rear entry exhaust bearing for constant connection.

HOIST:

Model	ITT2-64
Type	Twin, double-acting, outboard, mounted, two-sleeve telescopic cylinder assembly directly connected to body and chassis with self-aligning latching to provide a 60° dumping angle. Power down with snubbing action. Four position control valve.
Body raise time	18.9 seconds @ 1600 engine rpm

OPTIONAL EQUIPMENT

ENGINE, (Diesel):

Make	Detroit Diesel
Model	12V71-N-60
No. of Cylinders	12
Bore and Stroke	4 1/4" x 5"
Displacement, cu. in.	851.2
Beiter horsepower	454
@ gov. rpm	2100
Max. Torque, lb. ft.	1205
@ rpm	1200
24 Volt starting	

TRANSMISSION:

Make & Model	Allison, CLBT 750
Type	Integral torque converter with lock-up and five speed planetary transmission.
Ratio: 1.00, 1.40, 2.07, 3.19, 5.18, 4.48, Rev.	

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

TIRES:

	Front	Rear
Size (Tubeless or ribed)	18.00-53 (28P) or (32P)	
Rims	15.00	15.00
Disc brakes are obligatory with 18.00-53 tires (FA 902D) & (EAS 1207D).		

CHASSIS EQUIPMENT: Tachograph, Wagner "BD" (24 hour chart 0-1500 rpm.) in place of standard tachometer; high water temperature and low oil pressure alarm; brake alcohol vaporizer; 27,000 B.T.U. hot water cab heater with defroster; luboductors; additional stop-out light; spare rim. Risk ejector.

