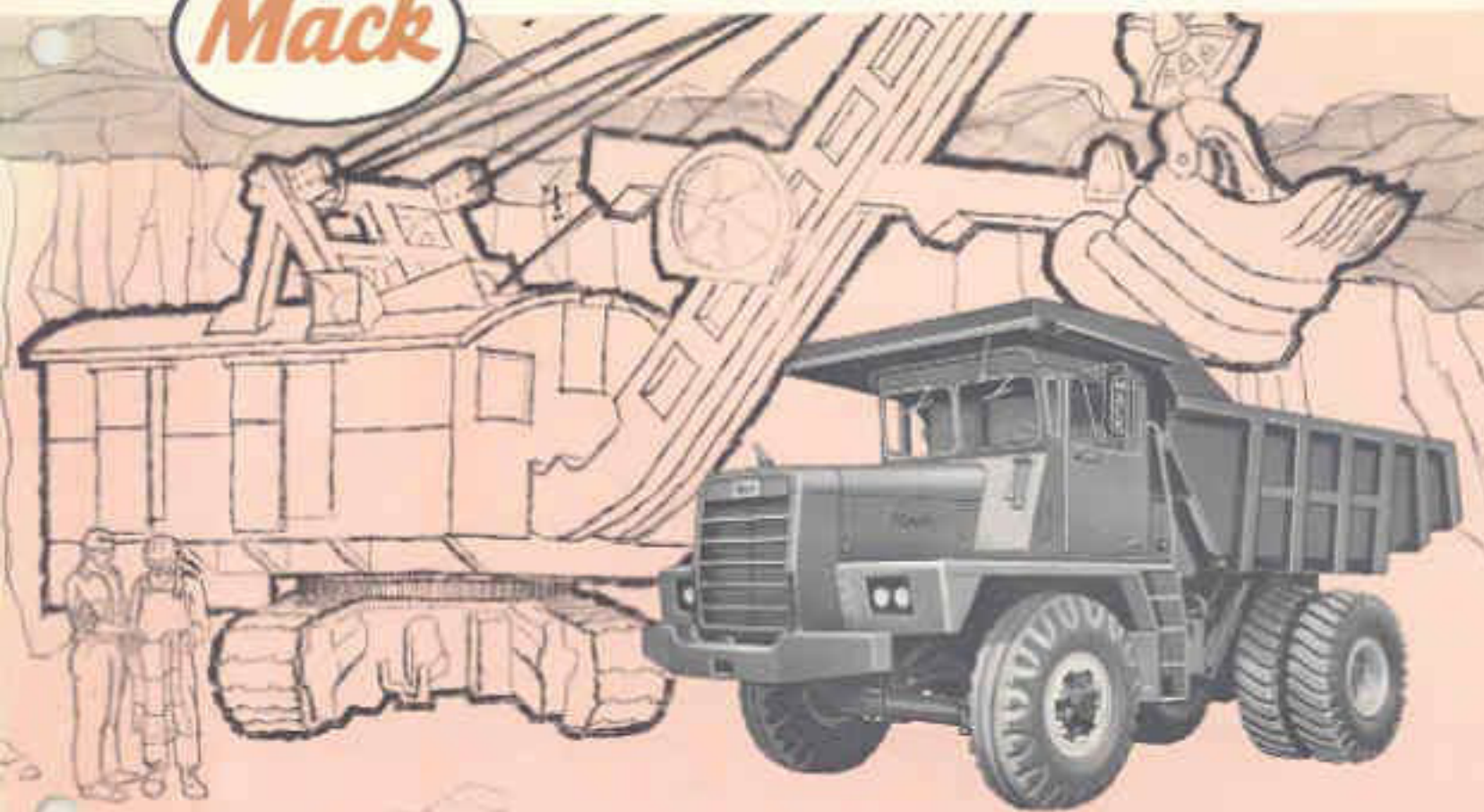




M-30X

30 ton end dumper



Mack Model M-30X 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 335 horsepower 6 cylinder, turbocharged 4-cycle engine or by optional engines of 380 HP, (6 cylinder, turbocharged, 4-cycle); 318 HP, or 370 HP, (2-cycle).

The famous trouble free Mack TRDX 510 eight speed transmission with air assist clutch is standard. Power shifted, converter type transmissions are available as option.

Mack built rear axle RASP 1203 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 hydraulic power steering.

Well balanced design throughout results in excellent maneuverability and driver ease of handling despite the high payloads and great size.



MACK TRUCKS, INC. Allentown, Pa.

AUTOLIT



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MODEL M-30X

STANDARD EQUIPMENT

WHEELBASE: 165" **PLATFORM:** 144"

ENGINE: (Deisel)

Model NT-355-C1
 Make Cummins
 Type Turbocharged
 Number of cylinders Six
 Bore and stroke 5.5" x 6" **1**
 Piston displacement, cu. in. 855
 Brake horsepower @ 2100
 r.p.m. (gov.) 335
 Max torque @ 1600 r.p.m.
 Pound feet 930
 Fuel pump, make Cummins
 Type PFG
 Drive Gear
 Nozzles Mechanical injection
 Fuel tank & location 120 gal., back of cab
 (with magnetic gauge)
 Lube oil cooler Standard
 Lube oil filter (by-pass) Luberfines, 500C
 (full-flow) Cummins
 Capacity, total 14 quarts
 Air cleaner Donaldson, dry type
 Filter efficiency grade Standard

CLUTCH: (Mack)

Model CL 505 (Clutch brake)
 Type Two-plate, dry
 Outside dia., facing 14"
 Area of engagement, sq. in. 416
 Actuation Air assist

COOLING SYSTEM:

Radiator, type Continuous-Flow, flat
 tube
 Frontal area, sq. in. 1500
 Thermostat, to open 170°

ELECTRICAL SYSTEM:

Voltage and capacity 12 Volt, 55 amp.
 (24 V Starting)
 Generator, make Delco-Remy
 Starting motor, make Delco-Remy
 Battery (2) 12 Volt
 Group 411
 Plates per cell 25
 Amp. hr. @ 20 hr. rate 160

TRANSMISSION: (Mack)

Model TRDX 510
 Type Eight-speed, overgear,
 two-lever, Duplex
 (wide-range)
 Power Take-Off Disconnect type
 Right Mack
 Location Main case, side opening

RATIOS

Shift	RATIOS	
	High Range	Low Range
4th	0.66	1.59
3rd	1.00	2.43
2nd	1.85	4.49
1st	3.38	8.22
Rev.	3.38	8.22

DRIVESHAFTS:

Make Spicer
 Type (series) Flange (1800)
 Tube diameter 3 1/2", 0.188" wall

FRONT AXLE: (Mack)

Model FA 900
 Type Reversed-Ellicor, tubular
 center

REAR AXLE: (Mack)

Model RASP 1205
 Type Single reduction and
 Mack Planidrive
 Axle housing Cast, heat-treated steel,
 vertical hump. Piloted
 carrier with pedestal
 supports
 Final drive PR 16, planetary gear
 train within wheel hubs
 Carrier CR5 115
 Ratios: Carrier 3.90
 Planetary 4.71
 Total 18.57

BRAKES:

Front Mack
 Actuation Air
 Size 18" x 5" x 3/4" (352)
 Rear Suprameter
 Actuation Air over hydraulic
 Size 20 1/4" x 7" x 3/4" (592)
 Brake adjustment Automatic
 Hand Bendix products
 Type Internal shoe
 Size 12" x 5" x 3/4" (130)
 Compressor TopFlo 500 (12 cu. ft.)
 Reservoir, two 5520 cu. in. (total)

FRAME:

Type I-beam, wide flange,
 fabricated
 Material Alloy steel
 Size, at hoist supports 20" x 8" x 3/4"
 at back-of-cab 16 1/2" x 8" x 3/4"
 Section modulus,
 at hoist supports 125 per rail
 at back-of-cab 56.1 per rail
 No. of cross-members Five, including integral
 front and rear bumpstops

SPRINGS:

Front
 Type Semi-elliptic, Vari-rate
 Size, length (between
 load centers) 46"
 Width 4"
 Shoe pinned Tension side all leaves
 Suspension Cam face slipper ends
 with radius rods

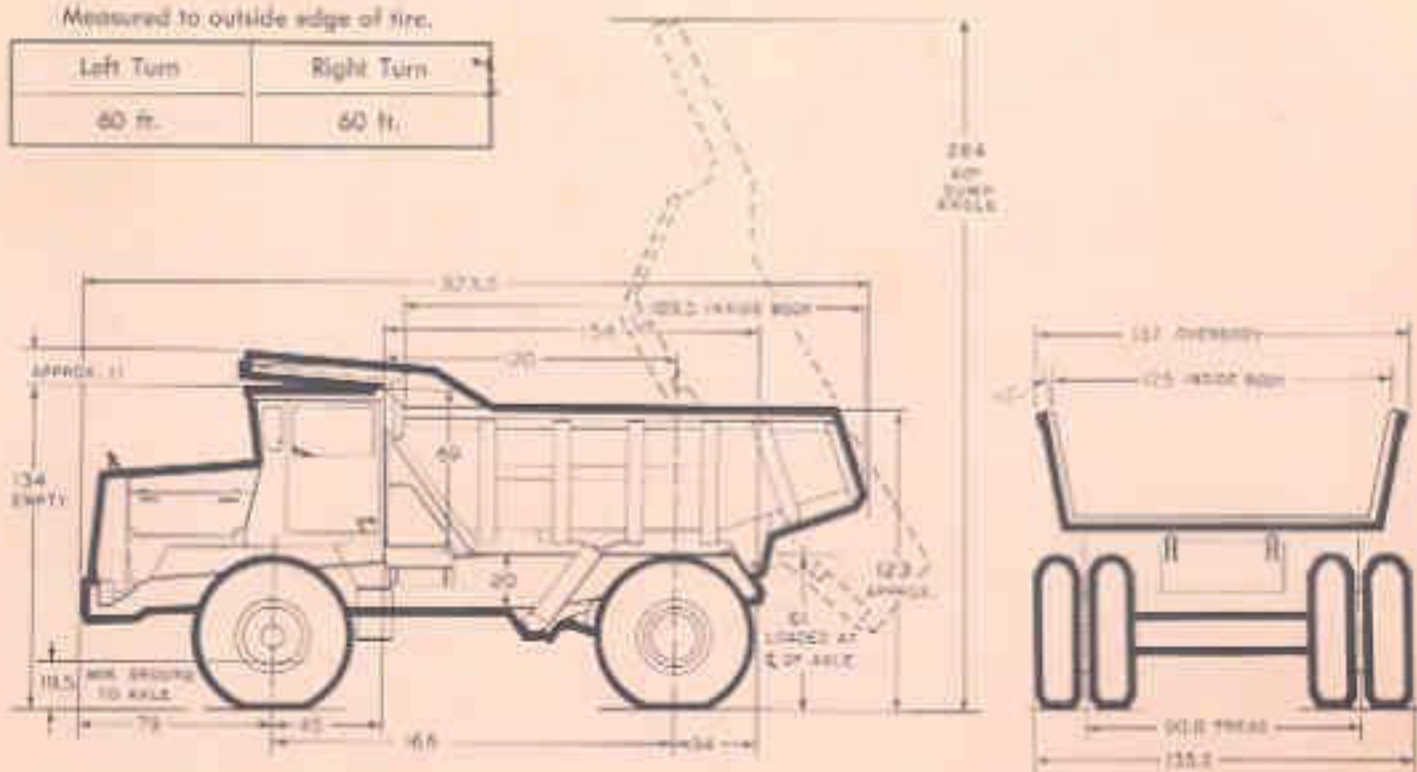


Model M-30X chassis diagram

TURNING CIRCLE DIAMETER
(Estimated)

Measured to outside edge of tire.

Left Turn	Right Turn
60 ft.	60 ft.



Dimensions are in inches except where otherwise denoted.

* CAPACITY AND WEIGHT GUIDE—(PAYLOAD 60,000 lbs.)

TIRES (Tablets)	ITEM	Chassis Only	Chassis and Body	Maximum GVW
1800-25 (24P) Front	Total	50,810	44,400	104,900
1800-25 (28P) Rear	Front	18,940	21,600	33,100
	Rear	11,870	22,800	71,300
	Disc %	61-39	69-51	33-68

* 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.

MACK TRUCKS, INC.
Allentown, Pa.

MACK TRUCKS MANUFACTURING COMPANY OF CANADA LIMITED Toronto, Ontario, Canada

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