



M-65X

65 ton end dumper



MACK traditional dependability and long history of off-highway manufacturing skill are proof of cost-cutting performance by this 65-ton, four-wheel, end dumper model M-65X.

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 leaf spring and torque rod suspension.

CHOICE OF DEPENDABLE DIESEL HORSEPOWER to economically meet particular operations is provided by a 4-cycle or 2-cycle engine.

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

MACK 'CONSTANT-FREQUENCY' SUSPENSION assures an excellent ride both loaded and empty.

INCREASED UP TIME by Mack's rear axle with unique Mack Planidrive gears—located at wheel ends—easy to service.

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



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 100,000 psi yield strength with a single floor design. Further reduction is realized by advantageously incorporating high-strength alloy steel throughout the chassis.



MACK TRUCKS, INC. • MONTVALE, NEW JERSEY

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MODEL M-65X

STANDARD EQUIPMENT

WHEELBASE: 165" **PLATFORM:** 205"

ENGINE, (Diesel):

Model VT12-65X-CI
 Make Cummins
 Type Turbocharged
 Number of cylinders Twelve
 Bore and stroke 5 1/2" x 6"
 Piston displacement, cu. in. 1710
 Brake horsepower @ 2100
 r.p.m. (gov.) 635
 Max. torque @ 1300 r.p.m.
 Pound-foot 1750
 Fuel injection pump Cummins, PTG
 Drive Gear
 Nozzles Mechanical injection
 Fuel tank & location 185 gal., back of cab
 (with magnetic gauge)
 Lube oil cooler Standard
 Lube oil filter (by-pass) Cummins, 750
 (full flow) Cummins
 Capacity, total 36 quarts
 Air cleaners, two Donaldson, dry type
 Filter efficiency guide Standard

COOLING SYSTEM:

Radiator, frontal area 2330 sq. in.
 Thermostat Sleeve type

ELECTRICAL SYSTEM:

Voltage and capacity 12 Volt, 40 amp.
 Generator, make Delco Remy
 Battery (2) 6 Volt
 Group 411
 Plates per cell 23
 Amp. hr. @ 20 hr. rate 160

STARTING SYSTEM:

Type Air
 Make Bendix-Westinghouse,
 30 hp
 Actuation Quick opening air valve
 operated by push
 button in cab
 Neutral interlock Valve incorporated in
 shift mechanism

TRANSMISSION & CONVERTER:

Make & Model Allison, CLBT 6061
 Type Integral torque converter
 with lock-up and six-speed planetary transmission.
 Selective shift— with Neutral Start Interlock
 Ratios: 6th, 0.67; 5th, 1.00; 4th, 1.35; 3rd, 2.01;
 2nd, 2.68; 1st, 4.00; Rev., 5.12
 Hydraulic brake Integral
 Power take-off Disconnect type, 8-bolt

DRIVESHAFTS:

Make Spicer
 Type (series) Flange (1850)
 Tube diameter 4 1/2", 0.259" wall

FRONT AXLE: (Mack)

Model FA 1000
 Type Elliot, tubular center

REAR AXLE: (Mack)

Model RASP 1300
 Type Single reduction and
 Mack Planidrive
 Carrier CR5124
 Final drive PR 15, planetary gear train
 within wheel hubs
 Axle housing Heat treated alloy steel
 casting welded to heat
 treated alloy steel cast
 spindles
 Ratios: Carrier 3.90
 Planetary 5.25
 Total 70.40

BRAKES:

Front Sagemaster
 Actuation Air over hydraulic
 Size 26" x 5" (544 sq. in.)
 Rear Sagemaster
 Actuation Air over hydraulic
 Size 26" x 10" (1088 sq. in.)
 Hand Bendix products
 Type Internal shoe
 Size 12" x 5" x 1/8" (139)
 Actuation Spring loaded-on, Air
 release off
 Compressor T-110 500 (12 cu. ft.)
 Reservoir,
 double compartment 3680 cu. in. (total)

FRAME:

Type I beam, wide flange,
 fabricated
 Material 100,000 psi Ultra strength
 alloy steel
 Size at hoist supports 24" deep x 6" top
 flange x 8" bottom
 flange x 5/8" thick
 Section modulus
 at hoist supports 165 per rail
 No. of cross-members Five, including integral
 front and rear bumpers

SPRINGS:

Front
 Type Semi-elliptic, Constant
 Frequency
 Width 5"
 Shot peened Tension side all leaves
 Suspension Cam fair slipper ends



Model M-65X *chassis diagram*

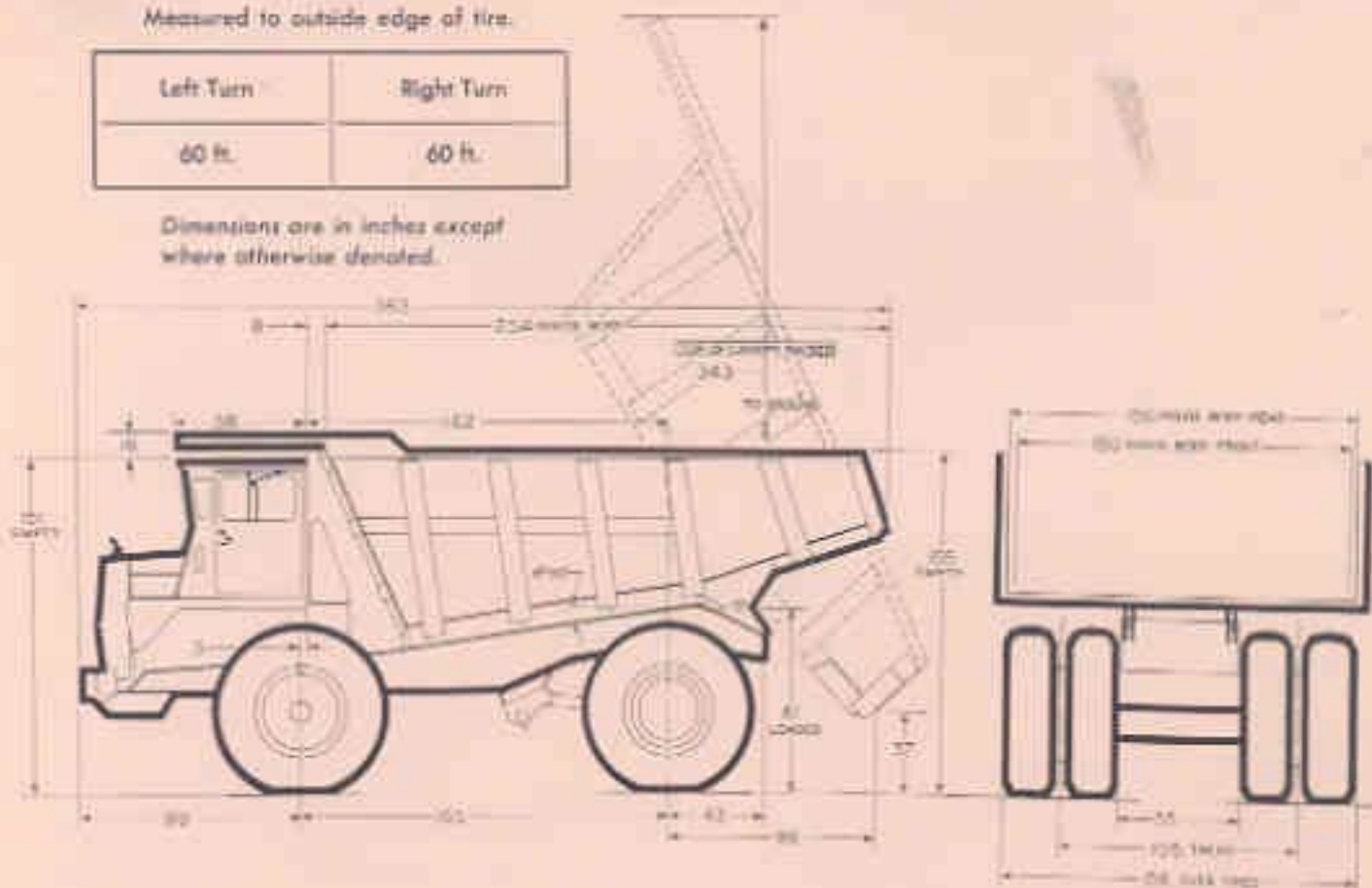
TURNING CIRCLE DIAMETER

(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 130,000 lbs.)

TIRES (Tubeless)	GVW	Chassis Only	Chassis and Body	Maximum GVW
21.00-35 (3GP) Front and Rear	Total	52,000	74,900	204,900
	Front	31,000	57,600	68,500
	Rear	21,000	37,300	156,600
	Dist. 55	(65-80)	50-50	33-67

* 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.

Montvale, N. J.

MACK TRUCKS WORLDWIDE LIMITED • Hamilton, Bermuda

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

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