



B-61X



FOUR-WHEEL • DIESEL • TRUCK

MACK DESIGNED

Completely designed and built by Mack, this powerful chassis is setting new standards for economy and long life in the heavy-duty dumper field and similar severe operations. Mack diesel powered, Model B-61X is primarily intended for six to eight cubic yards in ten to eleven foot contractor type bodies.

MACK POWER

Mack Thermodyne END 673P standard engine or optional extra END 711 are diesel fuel economy champions offering ample power for the steep grade as well as reliable, low maintenance service. Proven through years of profitable operation, these engines incorporate refinements which Mack has developed during the past two decades.

MACK COMPONENTS

Advantages of complete manufacturing control accrue to the owner in low operating costs and long life. Mack components exactly fitted to the chassis include Mack's exclusive Quadruplex transmission which provides fourteen useful speeds in a single, compact box; axles that are strong and proven reliable; sturdy reinforced frame rails and ample springs for the severest operating conditions.

MACK CAB

Driver comfort and safety have been given particular attention in Mack's roomy, well ventilated cab. Convenient display of the instruments and controls, clear all-round visibility and a fully-adjustable driver's seat are designed to make driving easier.

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MODEL B-61X

STANDARD EQUIPMENT

Condensed Specifications

WHEELBASE: 158½"	PLATFORM: 120"	RATIOS			
		High Split	Direct	Low Split	Low Low
		5th	0.84	1.00	2.12
		4th	1.00	1.19	2.55
		3rd	1.45	2.10	4.44
		2nd	2.59	3.73	7.91
		1st	4.51	6.51	13.78
		Rev.	4.51	6.51	13.78
ENGINE, (Diesel):		DRIVESHAFTS:			
Model	END 675P	Tube	3½", 0.156" wall		
Make	Mack, Thermodyne	Joint	Yoke type		
Type	Naturally aspirated	Make and size	Spicer, 1700		
Number of cylinders	Six	FRONT AXLE:			
Bore and stroke	4¾" x 6"	Model	FA 522		
Piston displacement, cu. in.	672	Make	Mack		
Brake horsepower @ 2100 r.p.m. (gov.)	187	Type	Reversed-Elliott, I-beam		
Max. torque @ r.p.m. Pound-feet	1400 527	REAR AXLE:			
Lube oil filter (12 qts.)	Comb. full-flow/by-pass	Model	RAD 111		
		Make	Mack		
		Type	Dial reduction		
		Housing, construction	Pressed steel, fused banjo		
		Axle shafts, material	Chrome-nickel steel, induction hardened		
		Torque and propulsion	Torque and radius rods		
		Carrier	CRD 62		
		Ratio	9.05		
CLUTCH: (Mack)		BRAKES, AIR:			
Model	CL 28, with Mack Vibrasorb clutch plate	SIZE—Dia., Width, Lining Thickness & Lining Area (sq. in.)			
Type	Single-plate, dry	Front, size	16½" x 4" x ½" (276)		
Outside dia., facing	14¾"	Rear, size	17¼" x 6" x ¾" (426)		
Area of engagement, sq. in.	255	Hand, size	12" x 5" x ½" (139)		
		Compressor	Tu-Flo 500 (12 cu. ft.)		
		Reservoir capacity	2255 cu. in. (total)		
FUEL SYSTEM:		FRAME:			
Fuel injection pump, make	American Bosch	Material	Chrome-manganese steel, heat-treated		
Timing	Synchrovan	Side members, size	9½" x 3¼" x ½"		
Governor	American Bosch, mechanical	Number of cross members and type	One channel, one I-beam		
Air cleaner	Donaldson, oil bath	Reinforcement	¾" inside-channel		
Tank capacity and location	22 gal., left apron	Section modulus	19.86 (incl. inside channel)		
COOLING SYSTEM:		SPRINGS:			
Radiator, type	Continuous-finned, flat tube	Front, type	Semi-elliptic		
Frontal area, sq. in.	560	Size, length (between load centers)	46"		
Thermostat, to open	170°	Width	3"		
Water capacity of system	48 quarts	Leaf thickness	0.360" (14 leaves)		
ELECTRIC SYSTEM:		Rear, type	Semi-elliptic		
Voltage and capacity	12 V., 55 Amp. (24 V. starting)	Size, length (between load centers)	54"		
Generator, make	Delco-Remy	Width	3½"		
Starting motor, make	Delco-Remy	Leaf thickness	0.499" (15 leaves)		
Battery, make	Exide or Auto-Lite	Shot period	Tension side of main, 2nd and 3rd leaves		
Plates per cell	21 21				
Amp. hr. @ 20 hr. rate	168 170				
Number required	Four (6 volt)				
TRANSMISSION:					
Model	TRQ 7210				
Make	Mack				
Type	Two-lever, Quadruplex selective, constant mesh				

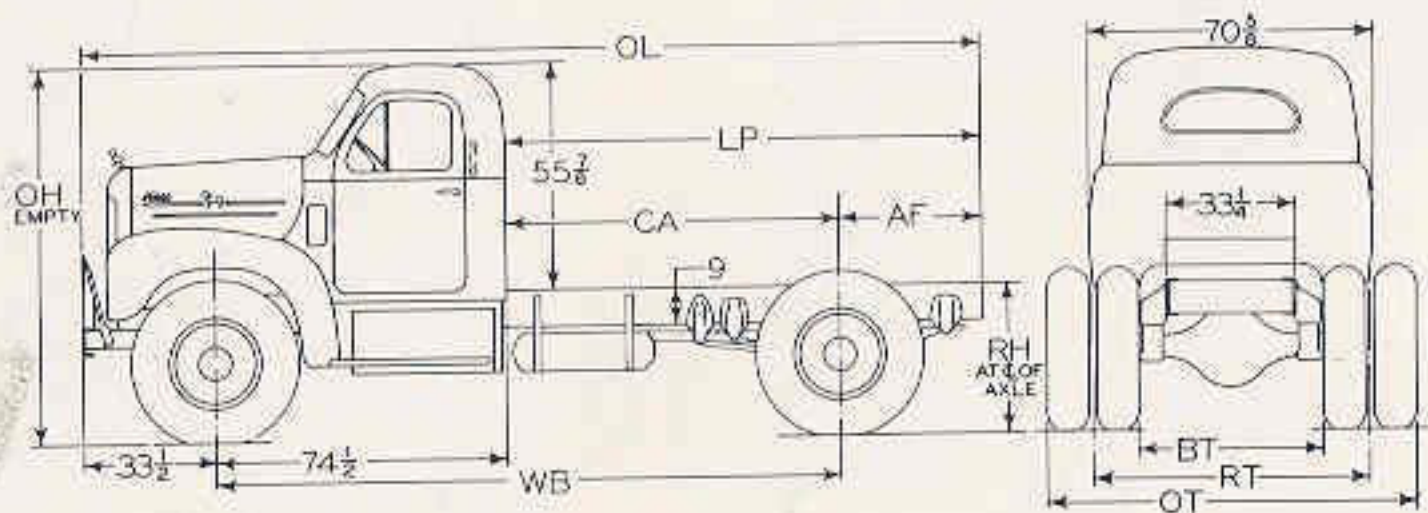
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CHASSIS DIAGRAM



WB	LP	CA	AF	OL
158½	120	84	36	228
158½	144	84	60	252

Chassis dimensions are in inches and are for standard chassis unless otherwise denoted.

TIRE SIZE	OH Approx.	RH Loaded	OT Spoke Wheels	RT Spoke Wheels	BT Spoke Wheels
11.00-24	101 ¾	43 ¾	101 ½	74 ½	47 ½
12.00-24	101 ¾	44 ¾	102 ¾	75 ½	47 ¾

Frame heights are at rear axle and subject to variations of ½".

*TURNING CIRCLE DIAMETER		
WB	Left Turn	Right Turn
158½	62	58

* Measured in ft. to outer edge of tire.

Represented by



MACK TRUCKS, INC.
Plainfield, N. J.

There being no annual series models of MACK products, refinements and improvements are effected whenever sound development and thorough trial prove them to be advantageous. The right is therefore reserved to change specifications or prices without notice. Illustrations are not necessarily a representation of standard specifications.

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