



MODEL

B-41X



POSSESSING remarkable durability, maneuverability, compactness and extraordinary performance ability, Mack offers the new B-41X Mack Diesel dump truck. In line with its traditional practice of fitting the truck to the task, Mack has created a genuine dump model with specially designed dumper frame, transmission and axles, all of which contain extra margins of abuse-absorbing qualities.

Smooth, quiet and abundant power is supplied by END 510 Mack diesel. Transmission designed solely for dump truck work is built to withstand hard steady pulling and frequent shifting. This Mack transmission of ten useable speeds, is owner's assurance of ample road speed, adequate performance in low gear and unfailing response in the intermediate speeds.

Rear axle is a Dual Reduction containing graduated heat-treated shafts of extremely high torsional strength and the famous Mack involute spline feature, having many times the shock resistance of the ordinary type.

The deep section heat-treated alloy steel frame and inside channel reinforcement of the same material, furnishes structural strength to safely resist high stresses. The new Vari-ute springs provide good riding qualities empty or loaded.

Driver safety and comfort are foremost in the new all metal De Luxe cab. Clear vision, ease of control and protection make driving easier and eliminate fatigue.

Model B-41X is also available in other than the dumper wheelbase, together with a wide selection of transmissions to adapt it to several other classes of service requiring extra tough construction.

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MODEL B-41X*

STANDARD EQUIPMENT (Cont'd.)

Condensed Specifications

WHEELS:

Type _____ Steel castings, six spoke

STEERING GEAR:

Model _____ SG-25
 Type _____ Worm and roller
 Ratio _____ 24:1 to 1
 Steering wheel, diameter _____ 22"

CAB:

Model _____ CA-21
 Type _____ All metal, welded,
 unified cab and cowl.
 Overall width _____ 70 1/2" maximum
 (67" at belt rail)

INSTRUMENT PANEL GAUGES:

Speedometer, tachometer, (glycol-based) coolant, fuel gauge, oil pressure gauge, temperature gauge, air pressure gauge, engine stop control, electrical switches.

CHASSIS EQUIPMENT:

Painting in synthetic enamel (Black, green, red, yellow or blue); channel type front bumper; automatic retarder shutters; row locks front and rear, recessed metal-beam headlight; two combination stop and tail lights; electric horn, diffusion needles; mail kit; rear view mirror, left side; 2-cyl., 12 cu. ft. air compressor with low pressure buzzer type indicator; I.C.C. and marker lights.

OPTIONAL EQUIPMENT

Condensed Specifications

WHEELBASES, CARGO:

Wheelbase	Platform
176 1/2"	168"
194 1/2"	194"
212 1/2"	216"

TRANSMISSIONS:

TR 77L, TR 7710
 TR 671 & TR 6710 _____ 3-speed
 Auxiliary, Model _____ B.L. 6231 A or D (with
 TR 771 or TR 671
 only)

TRD 77, TRD 770, TRD 67,
 TRD 670 & TRDX 670 _____ 10-speed, two-lever
 Duplex
 Type _____ All selective, constant
 mesh

TRANSMISSIONS, Cont'd.

Shift	TRDX 670		B.L. 6231-A or D (with TR 771 or TR 671 only)		
	High Range	Low Range	Shift	6231-A	6231-D
1st	0.79	1.84	1st	1.24	2.14
4th	1.00	2.24	2nd	1.00	1.00
3rd	1.92	4.50	3rd	0.86	0.74
2nd	3.64	8.53			
1st	6.74	15.77			
Rev.	6.80	15.92			

Note: Enter a TRDX box in the combination of a 3-speed transmission with the B.L. 6231-D box; it is recommended for Dumbie and Motor-Series.

FRAME:

No. of cross-members and type (for all optional W.B.) _____ Five channel

TIRES:

Size _____ 11.00-20 or 11.00-22
 (Cargo only)
 Ply _____ 12P 12P
 Rims _____ 8.0 8.0

WHEELS:

Type _____ Built Disc, including
 spare

AUXILIARY FUEL TANKS:

Type _____ Mack Safety
 Capacity, gallons _____ 40
 Location _____ Left side or
 one each side

CHASSIS EQUIPMENT:

Radiator guard; Scarf's automatic chain adjuster; 1" x 100" B.T.T. low wave beam with deferrers; air horn; combination tire carrier for 176 1/2" W.B. and longer.

* 1st speed tank must be omitted.

RATIOS

Shift	TR 771		TRD 77		TR 7710 TRD 770	
	High Range	Low Range	High Range	Low Range	High Range	Low Range
5th	1.00	1.00	1.29	0.80	1.11	
4th	1.31	1.53	1.98	1.00	1.39	
3rd	2.03	2.45	3.14	1.69	2.35	
2nd	3.83	4.83	5.95	3.19	4.44	
1st	7.08	7.08	9.15	5.89	8.20	
Rev.	7.15	7.15	9.25	5.95	8.27	

Shift	TR 671		TRD 67		TR 6710 TRD 670	
	High Range	Low Range	High Range	Low Range	High Range	Low Range
5th	1.00	1.00	1.27	0.79	1.09	
4th	1.29	1.61	2.05	1.00	1.39	
3rd	2.30	2.60	3.29	1.92	2.67	
2nd	4.55	4.35	5.51	3.64	5.06	
1st	8.05	8.05	10.20	6.74	9.37	
Rev.	8.15	8.15	10.29	6.80	9.45	

* For free-speed transmission ratios, read high range only.
 † TRD 77 and TRD 67 available with axle ratio 8.66 only.

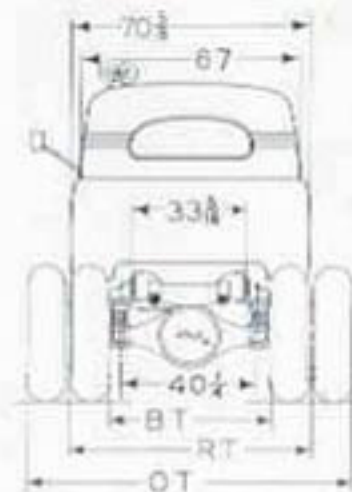
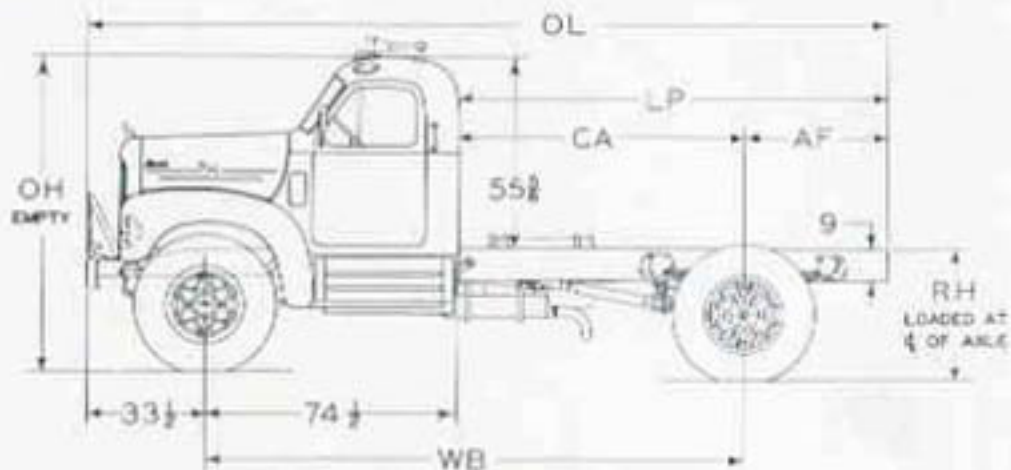
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CHASSIS DIAGRAM



WB	158 1/2	176 1/2	194 1/2	212 1/2	Tire Size	OH	RH	OT	RT	BT
OL	234	276	302	324	10.00-20	91 1/2	37	94 1/2	71 1/2	47 1/2
LP	126	168	194	216						
CA	84	102	120	138						
AF	42	66	74	78						

Note: All dimensions are shown in inches.



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