



B-43S



SIX-WHEEL • DIESEL • TRUCK

SUCCESSFULLY responding to the demand for Mack's celebrated Thermodyne Diesel engine in this 40,000 lb. G.V.W. six-wheeler capacity range, Model B-43S is confidently offered to establish completely new standards of performance and economy. This modern engine employs a fuel pump specifically designed and calibrated to develop 150 horsepower to meet the present trend of increased power-to-weight ratio.

SPECIFICALLY DESIGNED for conventional loading conditions with dump bodies and concrete mixer machines, this chassis provides planned optional variations which make it the ideal vehicle upon which to mount the newly designed load-forward mixers. For this adaptation, higher capacity front axles are available to compensate for heavier front end loading and automatically furnishes larger steering, brake

and spring equipment. Transmission recommendation for both dumper and mixer service is either the TRDX wide-range 16-speed or the combination of the 5-speed direct with the 3-speed auxiliary.

RUGGEDLY CONSTRUCTED, the chassis frame has been designed to meet the rigors of on-highway and off-highway operation. Main rails including the inside channel reinforcement are of special heat-treated alloy steel. The famous Mack bogie suspension with Dual Reduction carriers and Power Divider between the two axles results in outstanding tractive ability and long-cable-free service.

DRIVER COMFORT and convenience is assured by the all-metal De Luxe cab featuring a fully-adjustable driver's seat, exceptional visibility, adequate ventilation and clever arrangement of instruments and controls.

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MODEL B-43S

STANDARD EQUIPMENT (Cont'd.)

STEERING GEAR:

Model	SG 25
Type	Worm and roller
Ratio	24.4
Steering wheel, diameter	22"

CAB: (Mack)

Model	CA 25
Type	All metal, welded, unified cab and cowl
Overall width	70 $\frac{1}{2}$ " maximum (67" at belt rail)

INSTRUMENT PANEL GAUGES: Speedometer, tachometer (single board), ammeter, fuel gauge, oil pressure gauge, temperature gauge, air pressure gauge, electrical switches - all mounted on removable panel. Engine stop control.

CHASSIS EQUIPMENT: Housing in synthetic material (Mack green, red, yellow, blue, orange or black); channel type front bumper, automatic radiator shutters; two headlights; front-mounted wind-burn headlights and parking lights; one combination stop and tail light; electric horn; defroster wiper; wiper, left side; low air pressure hazard type indicator; two I.C.C. lights; show marker lights; dual bottom mounted, air-actuated windshield wipers with single motor; automatic reset cruise breaker; turn lug wrench (or disc wheel wrench) and handle.

STANDARD CHASSIS WEIGHT: (lbs.)
Front 5,770; Rear 8,020; Total 13,790

OPTIONAL EQUIPMENT

WHEELBASES:

+170 $\frac{1}{2}$ "
+182 $\frac{1}{2}$ "
+194 $\frac{1}{2}$ "
222 $\frac{1}{2}$ "

Platforms:

168"
168"
+168" or 194"
240"

FRAME: (Reinforcement)

1 $\frac{1}{4}$ " I-beam	Available with FA 601
+1 $\frac{1}{2}$ " inside channel	Obligatory on dumpers and mixers, optional highway chassis
No. of cross-members and type, 194 $\frac{1}{2}$ " WB	Four channel, one I-beam
222 $\frac{1}{2}$ " WB	Five channel, one I-beam
Section modulus	28.77 (with I.C. & P.P.) 17.72 (with I.C.)

TRANSMISSIONS: (Mack)

TR 671	5-speed Direct with Auxiliary, Model	B-L 7231 A or B (with or without Power Tower)
TRDX 670	10-speed Overgear, two-level Duplex	

TIRES:

Size	10.00-22 (12P)	11.00-20 (12P)
Rims	7.5	8.0

Shift	TRDX 670			B-L 7231 (with TR 671 only)		
	TR 671	High Range	Low Range	Shift	A	B
5th	1.00	0.70	1.84	5th	0.74	0.86
4th	1.29	1.00	2.34	2nd	1.00	1.00
3rd	2.50	1.92	4.50	1st	2.14	1.24
2nd	4.33	3.63	8.53			
1st	8.05	6.74	15.77			
Rev.	8.13	6.80	15.92			

Note: Either the TRDX 670 or a combination of the TR 671 with the B-L 7231 A, as is recommended for Dumper and Mixer Service.

One of the following obligatory with FA 601:

11.00-20 (12P)	Front, 8.0 Rims with 10.00-20 Rear
11.00-22 (12P)	Front, 8.0 Rims with 10.00-20 Rear
12.00-20 (14P)	Front, 8.0 Rims with 10.00-20 Rear
11.00-22 (12P)	Front, 8.0 Rims with 10.00-22 Rear

FRONT AXLE: (Mack) (with SG 26 only)

Model	FA 517
Brakes	16 $\frac{1}{2}$ " x 4" x 3 $\frac{1}{2}$ " (276)
No. of spring leaves	11 (0.360")
Model	FA 522
Brakes	16 $\frac{1}{2}$ " x 4" x 3 $\frac{1}{2}$ " (276)
No. of spring leaves	14 (0.360")
Model	FA 601
Brakes	17 $\frac{1}{4}$ " x 5" x 3 $\frac{1}{2}$ " (353)
No. of spring leaves	17 (0.360")

STEERING GEAR:

Model	SG 26
Ratio	28.4
Steering wheel, diameter	21"

BOGIE: (Mack)

SWD 571 or SWD 572 (Same as SWD 57 except for cast steel axle housing and also for SWD 571 metal turn-on bushings)

WHEELS DISC:

Type (for 11.00 or 12.00 tires)	Steel Budd
(for 10.00 tires)	Hi-Tensile Budd

FUEL TANKS:

Type	Step	*Step
Capacity, gallons	50	40
Location	Left side or rear	Right Side
	each side	

*Std. apron tank must be omitted.

*Required in place of 50 gal. right side step tank when optional exhaust is furnished.

CHASSIS EQUIPMENT: Clutch air assist (not available with TR 671); Mack linkage type, hydraulic power steering; Power Divider lock-out (manual, air valve engaged); mixer drive arrangement; lub oil filter; Posi-Lane, full-flow (12 ops.) and Lubertrol, 50-1000, 27C (4 ops.) in place of std.; engine dust protection equipment installation; engine water thermostat control; Woodward hydraulic governor in place of std.; under-frame tire carrier (222 $\frac{1}{2}$ " WB only); front wheel brake limiting valve; Searles drain valve; hand-coupled valve (for rear service brakes); exhaust brake; Bottom driver seat (with shock absorber); safety belt for driver seat; turn signals, front, one each side; West Coast type mirrors, crossed finish, one each side; 17,000 or 25,000 B.T.U. hot water cab heater with defroster; plate type radiator guard; air horn; vertical exhaust, right rear cab corner; electric system - 12 Volt, 30 Amp (low am-in); extra stop-tail lights; chrome plated radiator shell; spray rim or spray disc wheel; 8- or 12-ton jack.

*These axles must be considered for Concrete Mixer application and other particular services.

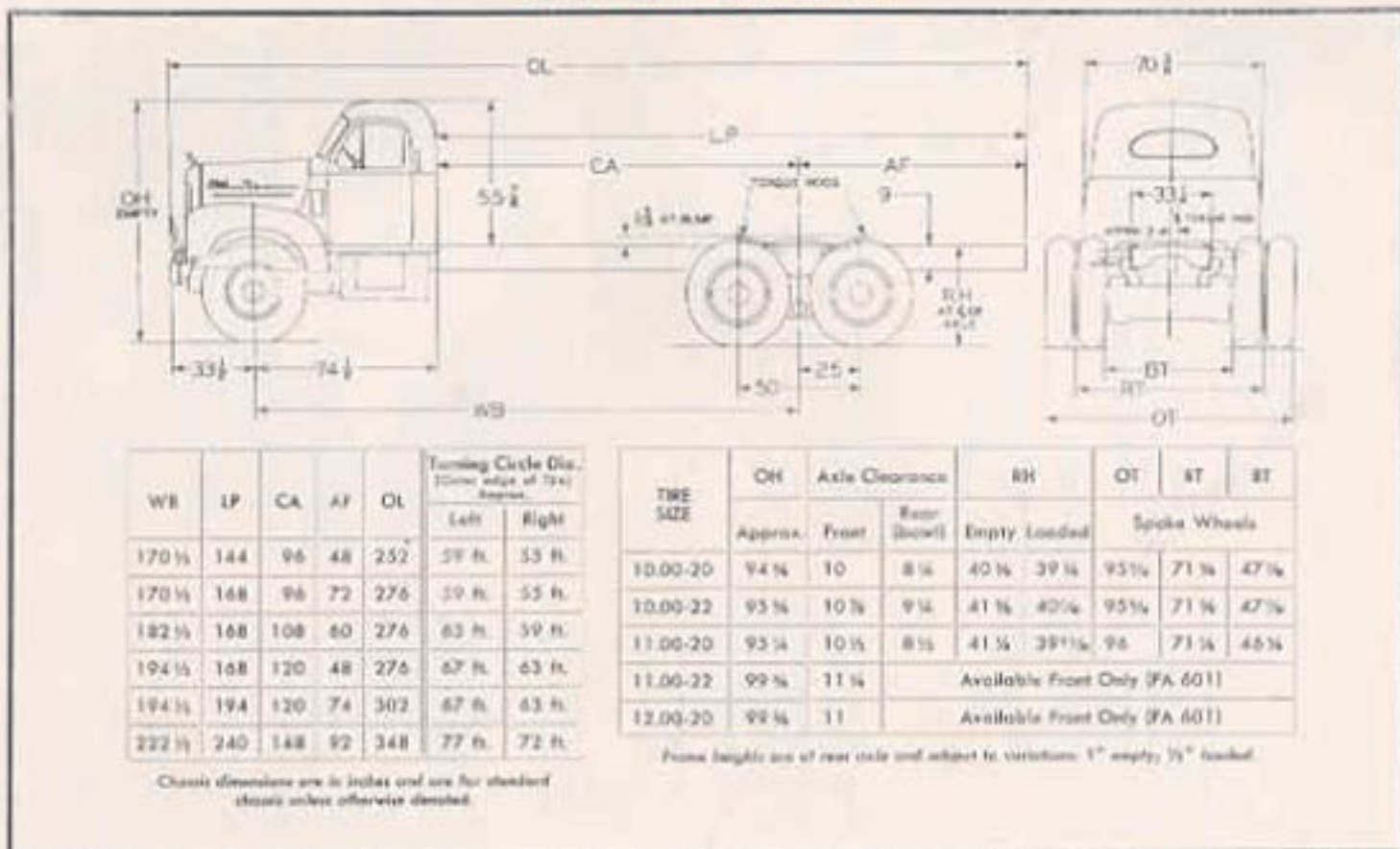
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CHASSIS DIAGRAM



Represented by:

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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1350 The Queensway
Toronto, Ontario, Canada

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