

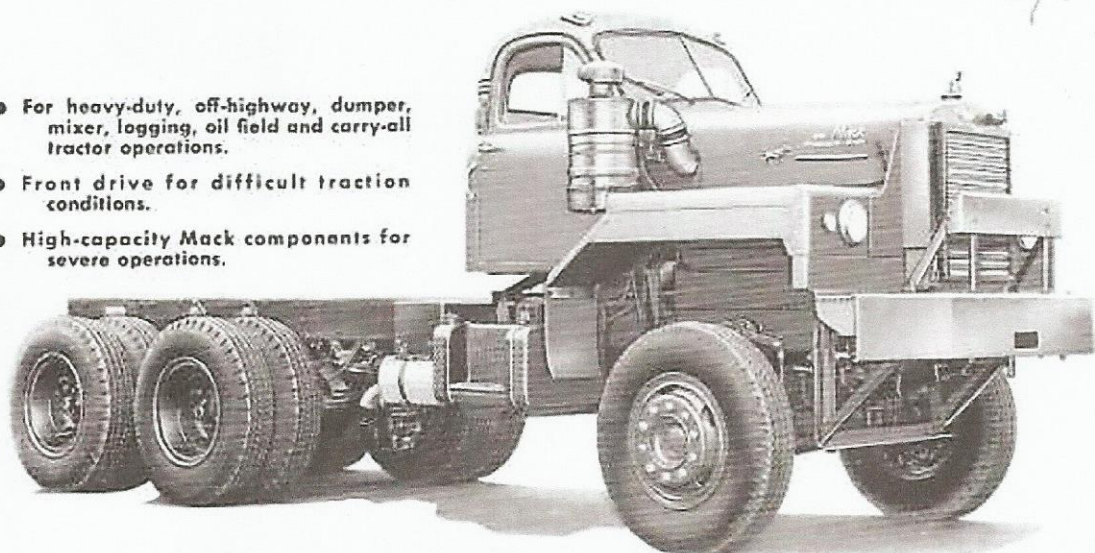


# B-8136SX

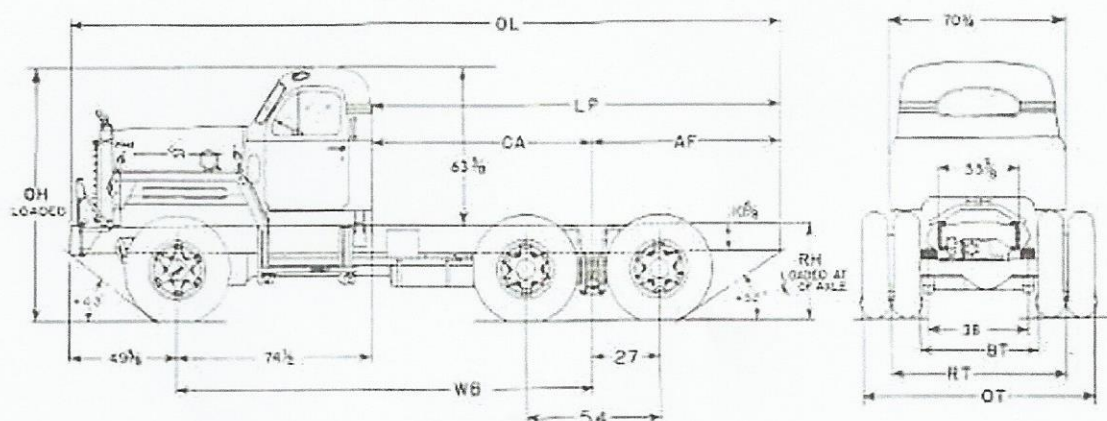
*N 1400 000*

*PTS 297*

- For heavy-duty, off-highway, dumper, mixer, logging, oil field and carry-all tractor operations.
- Front drive for difficult traction conditions.
- High-capacity Mack components for severe operations.



## SIX-WHEEL DRIVE • TURBOCHARGED-DIESEL • TRUCK



WB	LP	CA	AF	OL
174 1/2	168	100	68	291 1/2
303 1/2	288	229	59	411 1/2

TIRE SIZE (Highway Tread)	BOGIE	OH	RH	OT	RT	BT
		Approx	Loaded	Disc Wheels		
11.00-24	SWD 68	112 1/4	49	97 1/2	73	48 1/2
12.00-24	SWD 592	112 3/4	49 1/2	104 1/4	77 1/2	49 1/2

TURNING CIRCLE DIAMETER Approx.		
WB	Left Turn	Right Turn
174 1/2	66 ft.	66 ft.
303 1/2	112 ft.	112 ft.

Dimensions are in inches and are for stand-  
ard chassis unless otherwise denoted.

\* Angles of approach and departure 17 1/2° WB. Frame heights are subject  
to 1/2" variation.

Measured to outside of tire.

**MACK TRUCKS, INC. • Plainfield, N. J.**

## MODEL B-8136SX

### STANDARD EQUIPMENT

WHEELBASE: 174½"; Platform 168"

#### ENGINE, (Diesel):

Mack Thermodyne model ENDT 673, six cylinders, bore 4⅞", stroke 6", 672 cu. in. piston displacement, 211 brake horsepower @ 2100 rpm (gov.), 605 lbs. ft. max. torque @ 1400-1600 rpm, combination full-flow and bypass lube oil filter, lube oil cooler, 821 sq. in. radiator frontal area, 53 quart water capacity, water thermostat control cooling system, 12 volt—55 Amp. (24 Volt starting) electric system, four batteries (6 volt) located two left side and two right side.

#### CLUTCH:

Mack model CL 50, two dry plates, 14" dia., 416 sq. in. area of engagement.

#### FUEL TANK:

40 gallon steel step tank, right side.

#### TRANSMISSION:

Mack model TRDXT 720, ten-speed overgear, two-lever, Duplex, with manual control military type power take-off.

Shift	5th	4th	3rd	2nd	1st	Rev.
High	0.78	1.00	1.75	3.12	5.45	5.45
Low	1.95	2.50	4.38	7.81	13.62	13.62

#### DRIVESHAFTS:

Spicer make; yoke joint; 3½" tube dia.; size and wall thickness—front 1600, 0.156"; rear 1800, 0.188" and inter-axle 1600, 0.156".

#### FRONT AXLE:

Mack model FAS 491, Mack front drive with triple reduction. (*Front drive to be engaged to overcome difficult operating conditions—not to be left continuously engaged.*)

#### BOGIE:

Mack model SWD 68, 54" bogie wheelbase, four wheel straight through type drive, Mack concentric cam and plunger type Power Divider inter-axle differential, CRDP 112 and CRD 113 carriers, 9.02 ratio.

#### BRAKES:

Air actuation; internal expanding, inclosed type; front, size 17¼" x 6", ¾", 426 sq. in. area; rear, size 16½" x 6" x ¾", 828 sq. in. area; hand, size 12" x 5" x ¾", 139 sq. in. area. Tu-Flo 500 compressor, (12 cu. ft.); 3030 cu. in. total reservoir capacity.

#### FRAME:

Chrome-manganese steel, heat treated material; side-members, size 10⅝" x 3¼" x ⅝" with gusset structure over bogie axles; ¼" inside channel-reinforcement; section modulus—25.2, with inside channel; two channel and one I-beam cross-member.

#### SPRINGS:

Front—Semi-elliptic type; size, 51⅝" x 3½"; 3 leaves, 0.401" thick; 14 leaves, 0.360" thick; tension side of main, 2nd and 3rd leaves shot-peened; suspension—slipper front end, fixed pin rear.

Rear—Semi-elliptic (inverted); size, 54" x 5"; 13 leaves 0.788" thick; tension side of all leaves shot-peened; suspension—Rubber Shock Insulators.

**SHOCK ABSORBERS** — Front: Houdaille, hydraulic.

**TIRES:** (Overall width exceeds 96")

11.00-22 (12P) on 8.0 Rims, Highway Tread (not available).

**WHEELS:** Steel Disc.

#### STEERING GEAR:

Model SG 26; worm and roller type; 28.4 ratio; 22" dia. steering wheel; Mack linkage type, hydraulic power steering.

#### CAB:

Mack model CA 30, all metal, welded, unified cab and cowl, 70¾" overall width.

**CHASSIS EQUIPMENT:** Painting in synthetic enamel (Mack green, red, yellow, blue, orange or black); military type steel fenders; channel type front bumper; front tow pin; radiator guard; sealed-beam headlights and parking lights; combination stop and tail light; electric horn; defroster nozzles; automatic radiator shutters; low air pressure buzzer type indicator; dual air-actuated windshield wipers with single motor; sun visor, left side; disc wrench and handle.

**STANDARD CHASSIS WEIGHT:** (lbs.)

Front—9,910; Rear—10,730; Total—20,640.

GVW—(SWD 68) 65,000 lbs.; (SWD 592) 75,000 lbs.

#### OPTIONAL EQUIPMENT

**TIRES:** (*Overall width exceeds 96"*) 11.00-24 (12P) on 8.5 rims front and 8.0 rims rear.

#### FUEL TANK:

One 50 gal., left side, steel step tank, in addition to standard (not available with Vickers Power Steering).  
One 55 gal., left side, steel round tank.

**CHASSIS EQUIPMENT:** Vickers Hydraulic Power Steering; Woodward Hydraulic Governor; Tachograph, with 24 hour chart (in place of tachometer); full trailer brake and electrical connections including shut-off valves (no hose or cable); either hand control valve (for chassis rear brakes) or hand control valve (for trailer brakes); power divider lock-out; drain valve; front wheel brake limiting valve; 25,000 B.T.U. hot water cab heater with defrosters; engine dust proofing equipment installation; air horn, twin; extra stop-tail light; I.C.C. lights; three marker lights; deluxe driver seat; turn signals, front, one each side; West Coast type mirrors, enamel finish, one each side; spare disc wheel; 8- or 12-ton jack.

#### RECOMMENDED OPTIONAL EXTRAS— OIL FIELD SERVICE

**WHEELBASE:** 303½", Platform 288".

Includes ¼" inside channel and ⅜" fishplate.

#### BOGIE:

Mack model SWD 681, same as SWD 68 except for wider brakes, 16½" x 6", 952 sq. in. area.

Mack model SWD 592, 58" bogie wheelbase, Mack Power Divider inter-axle differential, CRDP 95 and CRD 96 carrier, 9.02 ratio. (*requires 12.00-24 tires*)

**SPRINGS,** (*Standard with SWD 592*) Size, 58" x 5"; 10 leaves, 1" thick; tension side of all leaves shot-peened. Spec. Extra Heavy-duty, 58" x 5", 8 leaves 1¼" thick.

**TIRES:** (*Overall width exceeds 96"* — *Highway Tread*) 12.00-24 (14P) Single Front and Dual Rear on 8.5 Rims; Wheels: Steel Disc (1" studs on rear).

*Available with SWD 592 only.*

*Wheels are not interchangeable front and rear.*

#### FRAME, Reinforcement:

¼" Outside L type channel (for SWD 68 or 681).

⅜" Outside L type channel (required for SWD 592).