



SIX-WHEEL · DIESEL · TRUCK

GRATIFYING PROFITS and long trouble-free life are provided in these ruggedly designed, diesel powered six-wheel trucks. They are capable of successfully adjusting to the varying demands of speed and strength in heavy-duty, off-highway, dumper, mixer, logging, oil field and carry-all tractor operations.

ABUNDANT POWER for severe conditions and rapid acceleration when required is supplied by Mack's naturally aspirated or turbocharged Thermodyne diesel. Producing 170 or 205 horsepower, Mack's diesel engines are famous for their economy of operation.

UNMATCHED ADAPTABILITY and dependability is assured by a wide selection of all-new, all-Mack component equipment. The already famous 20-speed, Quadruplex transmission offers a wider range of speed steps than is possible with the customary combination of transmission and auxiliary. A five or ten-speed and auxiliary transmission is available for oil field work.

DRIVING COMFORT is assured in Mack's newly styled cab providing ample head room, elbow room and leg room for the biggest driver. Features include an easily entered driver's position, fully adjustable driver's seat and a convenient arrangement of controls.

MODELS B-81SX & B-813SX

STANDARD EQUIPMENT

Condensed Specifications

WHEELBASE:	Platform:		DRIVESHAFTS:		
1651/5"	144"		Location	Front Rea	r Inter-Axle
.2			Make (Spicer), size	1800 180	0 1600
ENGINE, (Diesel):	B-81SX	B-813SX	Joint, type		ce Yoke
Model	END 673	ENDT 673	Tube, dia.		
Make		Mack	Wall thickness	0.188" 0.18	8" 0.156"
Type, Thermodyne	Naturally aspirated	Turbocharged	FRONT AXLE: (Mack)		
Number of cylinders		Six	Model		
Bore and stroke	47/8" x 6"	47/8" x 6"	Туре	Reversed-Ellio	ott, I-beam
Piston displacement, cu. in	672	672	BOGIE: (Mack)		
Brake horsepower @ 2100	170	205	Model	CIVID EO	
r.p.m. (gov.)		205 1400-1600	Bogie wheelbase		
Max. torque @ r.p.m. Pound-feet		560	Drive		raight
Lube oil filter		Luberfiner 272C	Direc	through typ	
	500C	and	Inter-axle differential	Mack concent	ric cam
		Purolator full-flow		and plunge	
Oil cooler		Ross		Power Divi	
CLUTCH: (Mack)			Housing construction		
	CT 50:-1-	alouah healaa	Axle shafts, material	steel casting	Jubdonum
Model	Two plate	den	Axie sharts, material		at-treated
Type Outside dia., facing	14"	dry	Carriers	CRDP 92 &	CRD 93
Area of engagement, sq. in.	416		*Ratios		
			* Ratio 9.02 or 8.15 recommended	for Dumbers and	Mixers.
FUEL SYSTEM:				jor Dampers and 1	111111111111111111111111111111111111111
Fuel injection pump	American I	Bosch	BRAKES:		
Type	Multiple ui	nit	Actuation	Air	
Drive	Geared from	n camsnart gear	Front, size Rear, size	$17\frac{1}{4}$ " x 5" x	3/4" (355)
Timing (FND 673)	Synchroyan	ige	Rear, size	16½" x 6" x	3/4" (828)
Timing (END 673) Nozzles	Four-hole s	prav	Hand, size	12" x 5" x 3/8"	(139)
Tank capacity & location	40 gal., step	o, right side	Reservoir capacity		
COOLING SYSTEM:				5400 cu. m. (total)
Radiator, type	Continuous	-finned flat tube	FRAME:	onen =	
Frontal area, sq. in.	821	-mined, nat tube	Material		
Thermostat	Bellows		Side-members, size	steel, heat-t	reated
Water pump	Centrifugal	type	Side-illembers, size	gusset struc	ture over
Fan, material Type	Pressed stee	el		bogie axles	ture over
Type	Asymmetri	cal	Reinforcement	1/4" inside	channel
Water capacity of system	53 quarts		Reinforcement Section modulus	24.8, with ins	ide channel
ELECTRIC SYSTEM:			No. of cross-members & type		and one
Voltage and capacity	12 V., 50 A	Amp., with 24	SPRINGS:	I-beam	
	Volt star	ting	Location	Front	Rear
Generator, make			Type		Semi-elliptic
Starting motor, make					(inverted)
Battery, make			Size Leaf Thickness No. of Leaves	515/8" x 31/2"	54" x 5"
Number required Location	Two—left s	side two-	Leaf Thickness	401" .360"	0.788"
notation in	right sid	e	No. of Leaves	3 11	13
TRANSMISSION: (Mack)	5		Shot-peening of leaves	Main,	All
Model			Suspension	2nd & 3rd Slipper front	Rubber
Type			Suspension	end, fixed	Shock
	Quadrup	lex		pin rear	Insulators
	TIOS		SHOCK ABSORBERS-FRO		
High Shift Split M	Low iin Split	Low Low	Туре	Houdaille, ro	tary-hydraulic
5th 0.66 0.	(C. C. C	1.95	TIDES. (O. " '1."	1-000	
4th 0.85 1.0		2.50	TIRES: (Overall width exce		aD)
3rd 1.49 1.		4.39	Size		
2nd 2.65 3.		7.82	Rims	Highway T	read
1st 4.62 5.4					
Rev. 4.62 5.4		13.63 13.63	*Available with SWD 58 only		

MODELS B-81SX & B-813SX

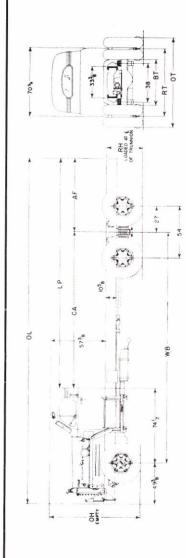
STANDARD EQUIPMENT (Cont'd.)

WHEELS:		INSTRUMENT PANEL GAUGES: Tachometer single-hand
Туре	Cast, spoke	type, speedometer, ammeter; air pressure, fuel, temperature and
	, I	lube oil pressure gauges-all mounted on removable panel. Engine
STEERING GEAR:		stop controls; throttle control.
Model		CHASSIS EQUIPMENT: Painting in synthetic enamel (Mack
		green, red, yellow, blue, orange or black); Military type steel fen- ders; channel type front bumper; front tow pin; radiator guard;
Ratio	28.4	ders; channel type front bumper; front tow pin; radiator guard;
Steering wheel, diameter	22"	sealed-beam headlights; combination stop and tail light, electric
CIR (W. I)		horn; defroster nozzles; automatic radiator shutters; low air pressure buzzer type indicator; dual air-actuated windshield wipers, single
CAB: (Mack)		motor; sun visor, left side; rim lug wrench or disc wheel wrench
Model		and handle.
Туре	All metal, welded, unified	CEANDARD CHARGE WELCHE #
	cab and cowl	STANDARD CHASSIS WEIGHT, (lbs.):
Overall width	705/8" Maximum	B-81SX: Front 8,115; Rear 9,550; Total 17,665
	(67" at belt rail)	B-813SX; Front 8,165; Rear 9,550; Total 17,715
		, , , , , , , , , , , , , , , , , , , ,
	OPTIONAL	EQUIPMENT
WHEELBASES:	Platform:	FRAME:
*1741/2"	168"	No. of store members
**1861/2"	192"	No. of cross-members and type, 1741/2" WBTwo channel and one I-beam 1861/2" WBThree channel and one I-beam 1991/2", 2121/2" and
1861/2		and type, 174½" WBTwo channel and one I-beam
1991/2"	216"	186½" WBThree channel and one I-beam
212½" #303½"	240"	$199\frac{1}{2}''$, $212\frac{1}{2}''$ and
#3031/2"	288"	303½" WB Four channel and one 1-beam
AIR STARTING SYST	TEM.	Frame Reinforcement
		199½" and 212½" WB½" Fishplate #303½" WB3%" Fishplate (obligatory)
Make	Ingersoll-Rand	#303½" WB3%" Fishplate (obligatory)
Rating	10 horsepower	
Actuation	Manually controlled quick	TIRES: (Overall width exceeds 96") Highway Tread
	opening air valve in cab	CONTROL OF THE STATE OF THE STA
TRANSMISSIONS: (A	lack)	Size
TR 720	5-speed, with Auxiliary	Ply 12 P 14 P 16 P
TRD 720	10-speed, two-lever	Rims 8.0 8.5 8.5
	Duplex with Aux.	* Available with SWD 59 only.
Additional option: TRO	720 with R.H. & L.H. P.T.O. openings	
in compound case.	720 Willi Riff. & Eff. 1.1.0. openings	+ Available Single Front only (only with 12.00-24 rear), recommended
•		for Oil Field Service.
AUXILIARY TRANSI	MISSION:	
(uith TR 720 or TR)	D 720 only)	WHEELS:
Model		TypeSteel Budd Disc
1 ype	3-speed, with power tower	(12.00 & 13.00 disc wheels have 1" studs, 13-3/16" bolt circle.)
BOGIE: (Mack)		
	CW/D 50	FUEL TANK:
	SWD 59	TypeStep
Bogie wheelbase		Capacity50 gallons
Drive	Four wheel, straight through	Location Left side
inter-axie differential	Mack concentric cam	LocationLeft side
6 :	and plunger Power Divider	
Carriers	CRDP 95 & CRD 96	CHASSIS EQUIPMENT: Power divider lock-out; Tachograph
†Ratios	8.15, 9.02, 10.57, 11.80	with 24 hour chart (in place of Tachometer); Hubodometer, front
Springs	See standard	left wheel; Mack linkage type, hydraulic power steering; full trailer
+Ratio 9.02 or 8.15 recomme	ended for Dumpers and Mixers.	brake and electrical connections including shut-off valves (no hose
	93 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	or cable; either hand control valve (for trailer brakes) or hand
SPRINGS: (Heavy Du	ty)	control valve, non-metering (for chassis rear brakes); Sealco drain
Location	#Rear ††Rear #Front	valve; front wheel brake limiting valve; exhaust brake; front power
Size		take-off mixer drive arrangement 25,000 B.T.U. hot water cab
Leaf Thickness	1" 1½" 3@0.401"	heater with defrosters; vertical exhaust; air horn, twin; extra stop-
Len Therites		tail light; I.C.C. lights; Bostrom driver seat with shock absorber;
No. of Leaves	14 @ 0.360"	turn signals, front, one each side; West Coast type mirrors, enamel
		finish, one each side; spare rim or spare disc wheel; 8- or 12-ton jack.
Shot peening, tension sid		missi, one each side, spare tim of spare disc wheel, o- of 12-ton jack.
++Sterial extra heavy dues -	& 3rd ear springs obligatory with SWD 59 in Oil	B-81SX: Lube oil filters; Luberfiner 272C and Purolator full-flow in
Field Service.	ar springs outigatory with SWD 39 in Oil	place of standard.
		prace or standard.

^{*} Shortest available wheelbase for 5-speed transmission with B-L auxiliary installation.
** Shortest available wheelbase for 10-speed transmission with B-L auxiliary installation.
#Recommended for Oil Field Service.

MODELS B-815X & B-8135X

CHASSIS DIAGRAM



	TIRE SIZE	CA AF OL TIRE SIZE OH RH THEAD4) 91 53 267% 100 68 291% 11.00-22 SWD58 99% 42) 112 80 315% 12.00-24 SWD59 99% 42) 12.5 91 339% 13.00-24 SWD59 100/2 42) 12.5 91 333% 13.00-24 SWD59 100/2 42) 12.5 91 333% 13.00-24 SWD59 100/2 42)	TIRE SIZE
THE SIZE THE	OL THE SIZE THEBMAY BOC 267% 11.00-22 SWD 2917/8 11.00-24 SWD 3157/6 12.00-24 SWD 3637/6 13.00-24	CA AF OL TIRE SIZE (Highway BOC Tread) 91 53 267% 11.00-22 SWD 100 68 291% 11.00-24 SWD 125 91 339% 13.00-24 SWD 138 102 363% 13.00-24 SWD 138 102 363%	LP CA AF OL THIGHWAY BOC THEOLY THIGHWAY BOC THOOLY SWD 144 91 53 267% 11.00-22 SWD 192 112 80 31576 11.00-24 SWD 216 125 91 339% 12.00-24 SWD 288 229 59 41176
THE SIZE THE	OL THE SIZE THEBMAY BOC 267% 11.00-22 SWD 2917/8 11.00-24 SWD 3157/6 12.00-24 SWD 3637/6 13.00-24	CA AF OL TIRE SIZE (Highway BOC Tread) 91 53 267% 11.00-22 SWD 100 68 291% 11.00-24 SWD 125 91 339% 13.00-24 SWD 138 102 363% 13.00-24 SWD 138 102 363%	LP CA AF OL THIGHWAY BOC THEOLY THIGHWAY BOC THOOLY SWD 144 91 53 267% 11.00-22 SWD 192 112 80 31576 11.00-24 SWD 216 125 91 339% 12.00-24 SWD 288 229 59 41176
	2677% 2917% 315% 3397% 4117%	CA AF OL 91 53 267% 100 68 291% 112 80 315% 125 91 339% 138 102 363% 229 59 417%	LP CA AF OL 144 91 53 267% 168 100 68 291% 216 125 91 339% 2411% 288 229 59 411%
0L 2677/8 2917/8 3157/8 3397/8 4117/6		CA AF 91 53 100 68 112 80 1125 91 138 102 229 59	LP CA AF 144 91 53 168 100 68 192 112 80 216 125 91 240 138 102 288 229 59
	AF 68 68 80 80 91 02 53	CA 91 112 112 125 138 1	LP CA 1144 91 100 1168 1000 1152 112 240 138 1

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

*TURNING CIRCLE DIAMETER	Left Turn Right Turn	YY	3	90	71		4	78	112
G CIRCLE	left Turn	70	2 2	7/	76	100	11	83	119
*TURNIN	8		1711	1/4/2	1851/2	1001	177/2	2121/2	303 1/2
BT	sels	461/4	47 1/8	17.77	4/ 1/8	49°%		Al.	
RT	Spoke Wheels	961/2 713/8 461/4	72	1107 1170	17.74	77	(Available Front Only	
ТО	Spo	961/2	9678 72	0717	8/ //	1047/16	11.11	ilable	96 s
RH	Loaded	411/4		1101	47.74	421/4		Avc	h exceed
Ю	Approx. Loaded	985/8 411/4	9:75/8 421/4	005/2	77.78 47.74	WD59 1001/2 421/4 1047/6 77	1001	100%	+ Overall width exceeds 96".
ACC.IF		WD58	WD58	MARK	W D3Y	WD59	1	1	Ŏ +

'Measured in feet to outer edge of tire.

Frame heights may vary 12 inch.

Represented by:

There being no annual series models of MACK products, refinements and improvements rore 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.

Mack

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