



Sleeper Cab, CAS 40 shown (optional)

MODEL F-785ST

- MACK MAXIDYNE DIESEL
- CAB OVER ENGINE
- SHORT BUT ROOMY CAB
- MACK BUILT COMPONENTS

STANDARD EQUIPMENT

WHEELBASE	144" (LP 170"; CA 122")
ENGINE: (MACK Diesel)	ENDT 675, Maxidyne
Type	Turbocharged, 6 cyl.
Bore and stroke	4 $\frac{7}{8}$ " x 6"
Piston displacement, cu. in.	672
Max. brake horsepower	237
Max. torque at 1200 rpm	906
Lube oil filter (12 qts.)	Comb. full-flow by-pass
Air cleaner	Oil bath type
Radiator, frontal area, sq. in.	1000
Water capacity, qts.	59
Thermostat, to open	170°
Fuel pump (APE)	Multiple unit
FUEL TANK	51 gal. , left side, steel, rd.
ELECTRICAL SYSTEM: Generator	12 Volt, 55 Amp.
Starting system	12 Volt
Batteries (Group 4 H)	(4) 6 Volt
Plates per cell 23; Amp. hr. @ 20 hr. rate	170
CLUTCH: (MACK)	CL 50 (with clutch brake)
Type	Two-plate, dry, 14" O.D.
Area of engagement	416 sq. in.
TRANSMISSION: (MACK)	TRL 107
Type	Five-speed, Direct
DRIVESHAFT:	
Make and size	Spicer; 1700 Series
FRONT AXLE: (MACK)	FA 534

Automatic radiator shutters
Automatic reset circuit breakers
Bumper, flush type
Cab roof vent
Headlights and parking lights
Horn, electric, single tone
I.C.C. & Marker lights
Low air pressure indicator, buzzer

CHASSIS EQUIPMENT
Magnetic drain plugs (TRL 107)
Rear view mirror, two, West Coast type
Shock absorbers, front (direct type)
Stop and tail light, dual
Sun visor, left side
Tachometer, single hand
Trailer conn., semi-trailer

Turn signals, front (with 4-way flasher)
Undercoating
Vertical exhaust
Voltmeter
Wheel wrench and handle
Windshield glass, Solex
Windshield wipers, dual, air, single motor
1968 Federal Safety Package

SIX WHEEL MACK DIESEL C.O.E. TRACTOR

BOGIE: (MACK)	SWDL 56
Carriers (Dual Reduction)	CRDPC 92 & CRD 93
Ratios	4.17, 4.50
SPRINGS:	
Size	<i>Front</i> 54" x 3 $\frac{1}{2}$ " <i>Rear</i> 50" x 4"
Leaves, no. & thickness	12 @ 0.323" 9 @ 0.625"
BRAKES: Type	Air
Front	16 $\frac{1}{4}$ " x 3" (204 sq. in.)
Rear	16 $\frac{1}{2}$ " x 6" (828 sq. in.)
Parking	12" x 5" (139 sq. in.)
Air Compressor	Tu-Flo 500 (12 cu. ft.)
Air reservoir capacity	2960 cu. in. (approx.)
WHEELS & TIRES:	
Wheels	Cast spoke
Tires	10.00-20 (12P), 7.5 Rims
STEERING GEAR: Model	SG 261
Steering wheel diameter; ratio	22"; 32.5:1
FRAME: Size	9" x 3$\frac{1}{4}$" x $\frac{1}{4}$"
Material	Chrome-manganese steel, heat-treated
Section Modulus	9.76
Resisting bending moment	878,400 in. lbs. per rail
CAB: (MACK)	CA 38
Type (50.5" BBC)	Cab-over-engine
STANDARD CHASSIS WEIGHT (LBS.)	
Front, 6,831; Rear, 6,819; Total, 13,650	

MACK TRUCKS, INC.

OPTIONAL EQUIPMENT

MODEL F-785ST

WHEELBASE 165", 186", 244"
(See dimensional chart for LP & CA)

FRONT AXLE: (MACK)

FA 535 Springs, (11) .360"
FA 532 Springs, (13) .360"
FA 5341, FA 5351, FA 5321 *No brakes
*Customer responsibility
Springs, optional, FA 534 (10) .323"
FA 535 (12) .323"
FA 532 (11) .360"
Springs, heavy duty, FA 532 (14) .360"

BOGIE: (MACK)

same as except for
SWDL 561 SWDL 56 7" brakes
SWDL 563 SWDL 56 Rockwell-Standard 6" brakes
SWDL 564 SWDL 56 Rockwell-Standard 7" brakes
SWDL 75 SWDL 56 Inverted Camel-back springs
SWDL 751 SWDL 75 7" brakes
SWD 75 SWDL 75 Rockwell-Standard 6" brakes
SWD 751 SWDL 75 Rockwell-Standard 7" brakes
SPRINGS (SWDL 75, SWD 75) 50" x 4"; 8 leaves @ 0.625"
Opt.—Hvy. Duty Spr. SWDL 56 Series (50" x 4"; 8 leaves @ 0.788")
Carriers and ratios same as standard

BRAKES: (MACK)

FA 535, FA 532 16½" x 4" (276)
SWDL 75 16½" x 6" (828)
SWDL 561, 751 16½" x 7" (952)

BRAKES: (Rockwell-Standard, Stopmaster)

SWDL 563, SWD 75 15" x 6" (754)
SWDL 564, SWD 751 15" x 7" (880)
Rockwell-Standard brakes include automatic brake adjustment, four spring loaded, fail safe auxiliary brake units per bogie, STANDARD driveshaft brake omitted.

FRAME: (Required for 244" WB)

Size 10½" x 3¼" x ¼"
Section Modulus 11.83
Resisting bending moment 1,064,700 in. lbs. per rail

ELECTRICAL SYSTEMS:

Starting 24 Volt
Alternator 12 Volt, 60 Amp. (heavy-duty)
Alternator 12 Volt, 85 Amp. (heavy-duty)

CAB: (MACK)

CAS 39 Sleeper, incl. mattress (72.5" BBC)
CAS 40 Sleeper, incl. mattress (80.5" BBC)
Cabs include: Helper seat and arm rest; sleeping compartment curtain

WHEELS & TIRES

Disc (7.5 Rims) Aluminum or *Hi-Tensile
(8.0 Rims) Steel
Tires and Rims 10.00-22 (12P), 7.5
11.00-20 (12P), 8.0

*Specify Budd or Firestone

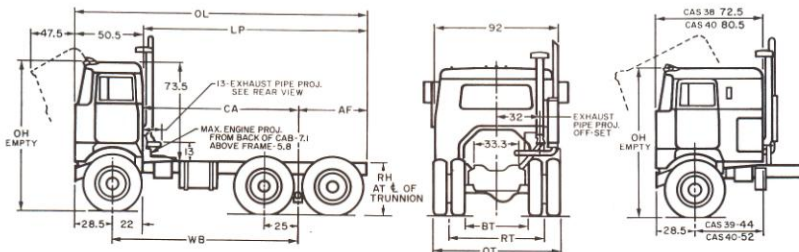
FUEL TANKS: (gallons)

Steel, Round 51, right side
The following are in place of standard
Aluminum, Round 70, one each side
Steel, Round 70, one each side

CHASSIS EQUIPMENT

Air starting	Driver's seat — Bostrom, Viking	Hubodometer	Sun visor, right side
Automatic drain valve	T-bar; American Metal,	Hydraulic jack 8- or 12-ton	Tachograph (RPM and/or MPH)
Bogie spacing, 55"	Unison-Action; General, #107	Power steering	Tow shackle, bumper mt'd.
Break-away safety valve	Engine water filter, Perry	Pyrometer, exhaust	(removable)
Cab air conditioning, roof mounted	Exhaust brake	Rider's seat arm rest (for CA 38)	Trailer conn., full trailer (no hose)
Cab heater, 28,000 btu (std. cab)	Front wheel brake limiting valve	Sleeper bunk safety strap	Turn signals, rear (loose)
Cab heaters, two 39,000	Hand control valve	Spring loaded parking brake,	Wig-Wag low air pressure indicator
(total) btu (sleeper cabs)	Helper seat (for CA 38)	incl. warning light in cab	Window (rear) in sleeper cabs
Chrome plated grill	Horn, air, twin or single	(with or w/o std. driveshaft brake)	Windshield washers
	Horn, electric, dual tone	Step for left side, round fuel tank	
		(for access to rear of cab)	

Specifications subject to change without notice. Illustrations are not necessarily a representation of standard specifications.



WB	Standard Cab		Sleeper Cab		Sleeper Cab		AF	OL	Turning Circle Dia. (Outer edge of tire) Est.		
	CA 38		CAS 39		CAS 40				Right Left		
	LP	CA	LP	CA	LP	CA					
144	170	122	148	100	140	92	48	220.5	57 ft.	57 ft.	
165	191	143	169	121	161	113	48	241.5	65 ft.	65 ft.	
186	270	164	248	142	240	134	106	320.5	71 ft.	71 ft.	
244	342	222	320	200	312	192	120	392.5	88 ft.	88 ft.	

TIRE SIZE	OH Approx.	RH				OT
		Empty		Loaded		
		SWDL 56	SWDL 75	SWDL 56	SWDL 75	
10.00-20	112.1	40.5	40.6	37.9	38.1	95.3
10.00-22	113.1	41.5	41.6	38.9	39.1	95.3
11.00-20	112.7	41.1	41.2	38.3	38.5	96

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

Frame heights are subject to variations: 1" empty, ½" loaded.