



Sleeper Cab, CAS 40 shown (optional)

MODEL F-785T

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

STANDARD EQUIPMENT

| | |
|--|--------------------------------|
| WHEELBASE | 128" (LP 139"; CA 106") |
| 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, sq. in. | 416 |
| TRANSMISSION: (MACK) | TRL 107 |
| Type | Five-speed, Direct |
| DRIVESHAFT: | |
| Make and size | Spicer; 1700 Series |
| FRONT AXLE: (MACK) | FA 534 |

FOUR-WHEEL DIESEL COE TRACTOR

| | | |
|--|--|--------------------------|
| REAR AXLE: (MACK) | RAD 529 | |
| Carrier | CRD 117 | |
| Ratios | 4.00, 4.25, 4.62 | |
| SPRINGS: Semi-Elliptic | Front | Rear |
| Size | 54" x 3 $\frac{1}{2}$ " | 53 $\frac{3}{4}$ " x 3" |
| Leaves, no. & thickness | 12 @ 0.323" | 6 @ 0.558" 2 @ 0.499" |
| BRAKES: Type | Air | |
| Front | 16 $\frac{1}{4}$ " x 3" (204 sq. in.) | |
| Rear | 16 $\frac{1}{2}$ " x 6" (414 sq. in.) | |
| Parking | 12" x 5" (139 sq. in.) | |
| Air Compressor | Tu-Flo 500 (12 cu. ft.) | |
| Air reservoir capacity | 2235 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 6,866; Rear 3,679; Total 10,545 | | |

CHASSIS EQUIPMENT

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

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

MACK TRUCKS, INC.

OPTIONAL EQUIPMENT

MODEL F-785T

WHEELBASE *110", 135", 143", 156"
 *Only with RADL 5281; N/AW/CAS40

FRONT AXLE: (MACK)

FA 535 Springs, (11) .360"
 FA 532 Springs, (13) .360"
 Springs, optional, FA 534 (10) .323"
 FA 535 (12) .323"
 FA 532 (11) .360"
 Springs, heavy duty, FA 532 (14) .360"

REAR AXLE: (MACK)

| MODEL | CARRIER | RATIO |
|-----------|----------|----------------------|
| RAD 5291 | CRD 117 | Same as std. RAD 529 |
| RAD 533 | CRD 119 | 4.60 |
| RADL 5281 | CRDL 111 | 4.32 |

RAD 533 or RADL 5281 required when GCW exceeds 72,000 lbs.

SPRINGS: (Rear):

Heavy Duty 9 leaves @ .558"
 Helper springs 8 leaves @ .291"
 Size 36" x 3"

BRAKES: (MACK)

FA 535, FA 532 16½" x 4" (276)
 RAD 5291, RAD 533, RADL 5281 16½" x 7" (476)

FRAME: 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 or 11.00-22 (12P); 8.0

*Specify Budd or Firestone

FUEL TANK: (gallons)

Steel, Round 51, right side
 The following are in place of standard; min. WB 128"
 Aluminum, Round 70, one each side
 Steel, Round 70, one each side

CHASSIS EQUIPMENT

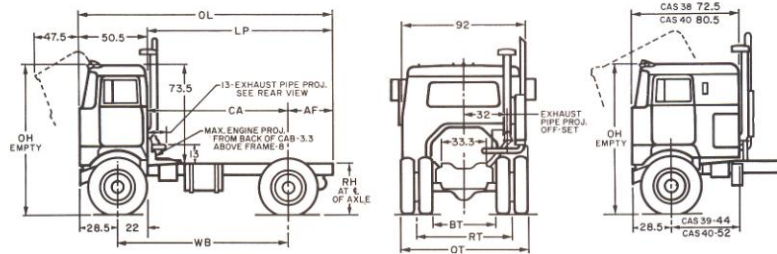
Air starting
 Automatic drain valve
 Break-away safety valve
 Cab air conditioning, roof mounted
 Cab heater, 28,000 btu (std. cab)
 Cab heaters, two, 39,000 (total)
 btu (sleeper cabs)
 Chrome plated grill
 Driver's seat — Bostrom, Viking
 T-bar; American Metal,
 Unison-Action; General, #107

Engine water filter, Perry
 Exhaust brake
 Differential Mack Power Divider
 for Mack Dual Reduction axles
 Front wheel brake limiting valve
 Hand control valve
 Helper seat (for CA 38)
 Horn, electric, dual tone
 Horn, air, twin or single
 Hubodometer
 Hydraulic jack 8- or 12-ton

Power steering
 Pyrometer, exhaust
 Rider's seat arm rest (for CA 38)
 Sleeper bunk safety strap
 Spring loaded parking brake,
 incl. warning light in cab
 (with or w/o std. driveshaft brake)
 Step for left side, round fuel tank
 (for access to rear of cab)

Sun visor, right side
 Tachograph (RPM and/or MPH)
 Tow shackle, bumper mt'd.
 (removable)
 Trailer conn., full trailer (no hose)
 Turn signals, rear (loose)
 Wig-Wag low air pressure indicator
 Window (rear) in sleeper cabs
 Windshield washers

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



| WB | Standard Cab CA 38 | | Sleeper Cab CAS 39 | | Sleeper Cab CAS 40 | | AF | OL | Turning Circle Dia. (Outer edge of tire) Est. | |
|-----|-----------------------|-----|-----------------------|-----|-----------------------|-----|----|-------|---|--------|
| | LP | CA | LP | CA | LP | CA | | | Right | Left |
| | | | | | | | | | 128 | 139 |
| 110 | 121 | 88 | 99 | 66 | | | 33 | 171.5 | 44 ft. | 44 ft. |
| 135 | 146 | 113 | 124 | 91 | 116 | 83 | 33 | 196.5 | 51 ft. | 51 ft. |
| 143 | 154 | 121 | 132 | 99 | 124 | 91 | 33 | 204.5 | 53 ft. | 53 ft. |
| 156 | 167 | 134 | 145 | 112 | 137 | 104 | 33 | 217.5 | 57 ft. | 57 ft. |

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

| TIRE SIZE | OH Approx. | RH | | OT |
|--------------|---------------|----------|--------|------|
| | | Empty | Loaded | |
| | | 10.00-20 | 112.1 | |
| 10.00-22 | 113.0 | 42.3 | 38.5 | 95.3 |
| 11.00-20 | 112.6 | 41.9 | 38.1 | 96 |
| 11.00-22 | 113.6 | 42.8 | 39.1 | 96 |

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