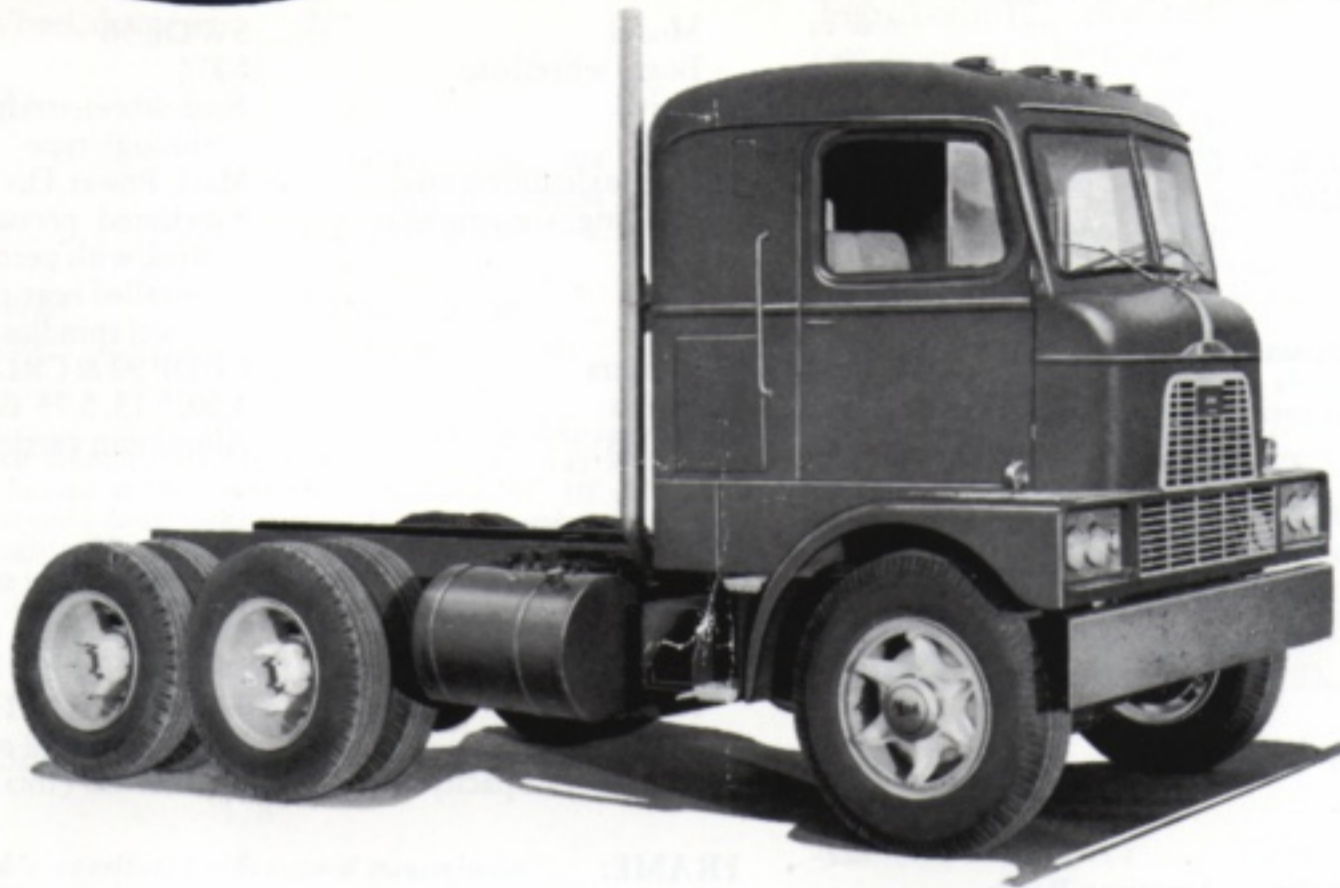




H-67ST & H-673ST



CAB-OVER-ENGINE • DIESEL • TRACTOR

DEPENDABLE ECONOMY

For operators who require the ultimate in performance, capacity and economy for their freighting operations, Mack offers these six-wheel, Thermodyne diesel powered tractors. Their 80% inch dimension from front bumper to rear of sleeper cab permits the use of the large modern maximum-length trailers.

MACK POWER

Power is derived from the highly successful Mack Thermodyne Diesel engines (naturally aspirated in H-67ST and Turbocharged in H-673ST) which have established economy standards far beyond that which any other diesel truck can offer. Another outstanding Mack component is the Mack Bogie which employs a one-piece cast cross-member with trunnion brackets for greater stiffness and strength yet provides a considerable weight saving over other designs.

ACCESSIBILITY EMPHASIZED

Accessibility for inspection and maintenance has been remarkably simplified by a manually actuated hydraulic lifting device which tilts the cab and the integral sleeper bunk away from the chassis so that the entire power plant is exposed. Routine checking of water, oil, air cleaner, renewal of oil filter cartridge is accomplished without tilting, through open rear corners of the cab skirting and a hinged door above the radiator grille.

MODELS H-67ST & H-673ST

STANDARD EQUIPMENT

Condensed Specifications

WHEELBASE — 149"

Platform — 144"

ENGINE, (Diesel):

	H-67ST	H-673ST
Model	END 673	ENDT 673
Make	Mack, Thermodyne	
Type	Naturally aspirated	Turbocharged
Number of cylinders	Six	Six
Bore and stroke	4 $\frac{7}{8}$ " x 6"	4 $\frac{7}{8}$ " x 6"
Piston displacement, cu. in.	672	672
Brake horsepower @ 2100 r.p.m. (gov.)	170	205
Max. torque @ r.p.m.	1200	1400-1600
Pound-feet	480	560
Oil filter, Luberfiner (by-pass)	500C	272C
	10 qts.	4 qts.
Purolator (full-flow)	—	12 qts.
Oil cooler	—	Ross

CLUTCH: (Mack)

Model	CL 28, with Mack Vibrasorb clutch plate
Type	Single-plate, dry
Outside dia., facing	14 $\frac{7}{8}$ "
Area of engagement, sq. in.	253

FUEL SYSTEM:

Fuel injection pump, make	American Bosch
Timing (ENDL 673)	Synchrovance
Governor	American Bosch, mechanical
Air cleaner	Donaldson, oil bath
Oil capacity	4 quarts
Tank capacity & location	One 55-gal. right side, steel, round safety

COOLING SYSTEM:

Radiator, type	Continuous-finned, flat tube
Frontal area, sq. in.	560 (END 673) 700 (ENDT 673)
Water capacity of system	48 quarts (END 673) 52 quarts (ENDT 673)

ELECTRIC SYSTEM:

Voltage and capacity	12 V., 55 Amp. (24 V. starting)
Generator, make	Delco-Remy
Starting motor, make	Delco-Remy
Battery, make	Exide or Auto-Lite
Plates per cell	21 25
Amp. hr. @ 20 hr. rate	168 172
Number required	Four (6 V.)
Location	Two each side of frame, back of cab

TRANSMISSION: (Mack)

Model	TRD 67 (Not available)
Type	Ten-speed, Two-lever, Duplex

DRIVESHAFTS:

Location	Rear and Inter-axle
Make	(1700) Spicer (1600)
Diameter	3 $\frac{1}{2}$ " tube
Wall thickness	0.156"

FRONT AXLE: (Mack)

Model	FA 511
Type	Reversed-Elliott, I-beam

BOGIE: (Mack)

Model	SWDL 56
Bogie wheelbase	50"
Drive	Four-wheel, straight through type
Inter-axle differential	Mack Power Divider
Housing, construction	Fabricated pressed steel, with permanently installed heat-treated wheel spindles
Carriers	CRDP 92 & CRD 93
Ratios	4.50, 5.13, 5.73 6.34
Brakes	Aluminum version

BRAKES, AIR:

Size—Dia., width, lining thickness & lining area (sq. in.)	
Front	16 $\frac{1}{4}$ " x 3" x $\frac{1}{2}$ " (204)
Rear	16 $\frac{1}{2}$ " x 6" x $\frac{3}{4}$ " (828)
Hand	12" x 5" x $\frac{3}{8}$ " (139)
Compressor	Tu-Flo 500 (12 cu. ft.)
Reservoir Capacity	3030 cu. in. (total)

FRAME:

Material	Chrome-manganese steel, heat-treated
Side-members, size	9" x 3 $\frac{1}{4}$ " x $\frac{1}{4}$ "
Section modulus	9.76
Number of cross-members and type	Two fabricated channel, one cast integral with trunion brackets

SPRINGS:

Front, type	Semi-elliptic
Size, length (between load centers)	46"
width	3"
Leaf thickness (12 leaves)	(4) 0.323" (8) 0.291"
Rear, type	Semi-elliptic (inverted)
Size, length (between load centers)	50 $\frac{1}{2}$ "
width	4"
Leaf thickness	0.625" (9 leaves)
Shot-peening	Tension side of main, second and third leaves
Suspension, Front	Rubber Shock Insulators, front end; fixed pin, rear end
Rear	Rubber insulators, underside; Bearing plate, topside

SHOCK ABSORBERS — FRONT:

Type	Houdaille, hydraulic
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TIRES:

Size	9.00-20 (10P)
Rims	7.0

MODELS H-67ST & H-673ST

STANDARD EQUIPMENT (Cont'd)

WHEELS:

Type Cast, spoke

STEERING GEAR:

Model SG 26
 Type Worm and roller
 Ratio 24.7
 Steering Wheel, diameter 22"

CAB: (Mack)

Model CAS 34, Sleeper, not including mattress
 Type C.O.E. all-metal, forward tilting
 Width Overall 80" at belt rail
 Sleeper Bunk 75" long; 24" wide

Mounting

..... Four-point rubber insulated. Each front corner supported on a suspension arm which is hinged at the lower end to allow a 38° 30' cab tilt. A rear hold-down lock, released from inside cab, operates through rubber biscuits to provide rebound control.

Tilting Mechanism — A manually actuated hydraulic lifting device for tilting cab is provided for full accessibility for engine maintenance. An operating handle is located beneath the right rear of cab. Fenders, cab entrance steps, cab aprons and radiator grille tilt with cab.

INSTRUMENT PANEL GAUGES: Speedometer; tachometer (single-hand); ammeter; air pressure, lube oil pressure, and temperature gauges; engine stop controls; electrical switches and hi-beam indicating light — all mounted on removable panel, with anti-glare shield. Fuel gauge and throttle control on dash.

CHASSIS EQUIPMENT: Painting in synthetic enamel (Mack green, red, yellow, blue, orange or black); a door in the radiator grille gives access to radiator filler cap; channel type front bumper; sealed-beam headlights and parking lights; combination stop and tail light; electric horn; semi-trailer brake and electrical connections; defroster nozzles; rear view mirror left and right side; two I.C.C. lights; three marker lights; automatic radiator shutters; Wig-Wag type low air pressure indicator; manual reset circuit breakers; dual bottom mounted, air-actuated windshield wipers; rim lug (or disc wheel) wrench and handle.

STANDARD CHASSIS WEIGHT (lbs.):

H-67ST—Front 6,560; Rear 6,350; Total 12,910
 H-673ST—Front 6,665; Rear 6,360; Total 13,025

OPTIONAL EQUIPMENT

WHEELBASE:

183"

Platform:

178"

Shortest available wheelbase for five-speed transmission with B-L Auxiliary installation.

STARTING SYSTEM:

Type Air
 Make Ingersoll-Rand
 Rating 10 H.P.
 Actuation Manually controlled quick opening air valve in cab

TRANSMISSIONS: (Mack)

One of the following is obligatory:

TR 720 5-speed, with B-L 8031-G
 TRD 72, TRD 720 10-speed, two-lever Duplex
 *TRDL 725, TRDL 7250 10-speed, Unishift Duplex
 *TRTL 72 15-speed, two-lever Triplex

**Cases are aluminum*

Clutch air assist included with Unishift Transmission.

AUXILIARY TRANSMISSION:

(With TR 720 only)

Model B-L 8031-G
 Type 3-speed
 Ratios: 1st, 1.29; 2nd, 1.00; 3rd, 0.84

Five-speed & Auxiliary Transmission requires 183" WB

FRONT AXLE: (Mack)

Model FA 514
 Type Reversed-Elliott, I-beam
 Brakes, size 16½" x 4" x ¾" (276)
 #Springs (15 leaves) (5)0.323"; (5)0.291";
 (5)0.262"

#When furnished with 10.00-22 tires.

FRAME:

No. of cross-members and type (for 183" W.B.) Three fabricated channel, one cast integral with trunnion brackets

†TIRES:

Size	10.00-20	10.00-22
Ply	12P	12P
Rims	7.5	7.5

†Front springs for FA 514 are 15-leaf with 10.00-22 tires.

DISC WHEELS:

Hi-Tensile Budd with malleable hubs
 (Not available with 9.00-20 tires)

FUEL TANKS:

Type	Steel, Round, Safety	#Saddle
Capacity, gallons	55	125
Location	Left side	Rear of cab

Not recommended with low fifth wheel mounting.

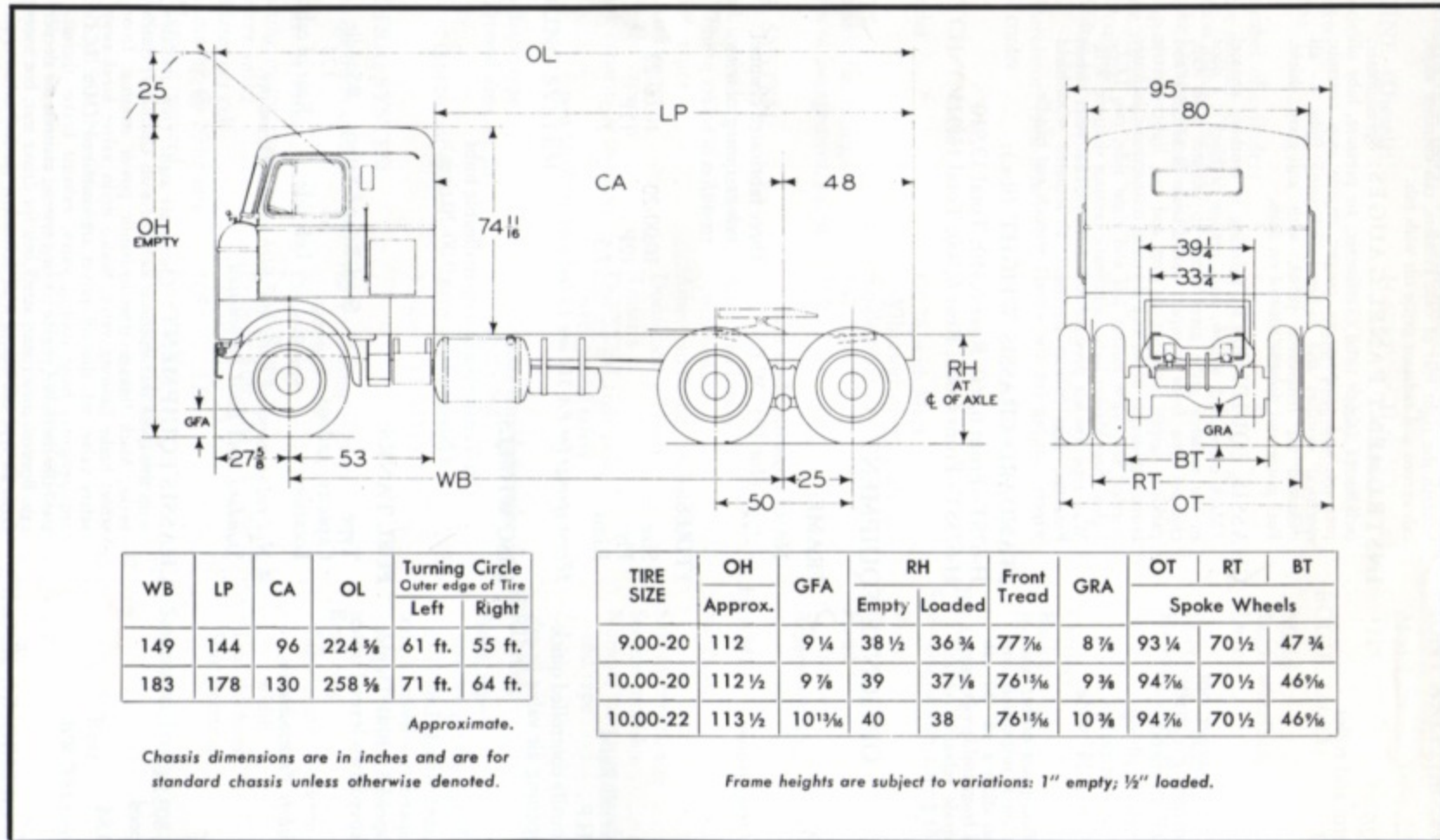
Standard tank must be omitted.

CHASSIS EQUIPMENT: Clutch air assist (not available with five-speed transmission, included with Unishift); clutch brake; Mack linkage type hydraulic power steering; front wheel brake limiting valve; Sealco drain valve; break-away safety valve, std. shut-off valves are omitted (Min. I.C.C. requirement); hand control valve; exhaust brake; thermostatically controlled engine cooling system; mattress for sleeper cab; Bostrom driver seat; safety belt for driver seat; hot water fresh air type cab heater with defrosters; vertical exhaust; air horn; extra stop-tail light; turn signals, front, one each side; West coast type mirrors; enamel finish, one each side; spare rim or spare disc; 8-or 12-ton jack.

For H-67ST only—Lube oil filter Purolator, full-flow (12 qts.) and Luberfiner by-pass, 272C (4 qts.) in place of std.; Woodward hydraulic governor in place of American Bosch mechanical governor.

MODELS H-67ST & H-673ST

CHASSIS DIAGRAM



Represented by:



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In Canada: MACK TRUCKS OF CANADA, LTD.

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