MACK® TRUCKS

MODELS U-600T SERIES

STANDARD EQUIPMENT 4-WHEEL TRACTOR

(Based on Model U-606T)

WHEELBASE	138" (LP 109", CA 75")
ENGINE: (MACK)	**ET 673E**
Type	Turbocharged, 6 cyl.
Bore & stroke	4¼" x 6"
Piston displacement cu. in.	572
*Brake HP at 2100 rpm	280
*Maximum torque at 1500 rpm	900
Lube oil filter	Full-flow triple spin on disposable type
Air Cleaner	Dry type
Radiator frontal area	700 sq. in.
Fuel pump	Multiple plunger type
Coolant conditioner	Spin-on disposable type
Thermostat (set to open)	180°F
*Based on performance at 500' alt & 85°F dry air intake temperature	
†Not certified for state of California.	
FUEL TANK	55 gal., R.H. steel rect. step
ELECTRICAL SYSTEM: Alternator	12 volt, 65 amp. (L/N)
Starting system	12 volt
Batteries	(4) 6 volt
Plates per cell, 73 amp. hr. @ 20 hr. rate	165

CLUTCH	**CL 691**	**or**	**CL 771**
Make	Spicer		Lipe
Size	14", two-plate		14", two-plate
Lining	Organic		Organic
Area of engagement	423 sq. in.		423 sq. in.
TRANSMISSION: (Fuller)			**RT 610**
Type			Ten spd., direct
FRONT AXLE:			**FAW 536C**
Capacity			10,500 lbs.
REAR AXLE			***RAS 23C**
Capacity			23,000 lbs.
Carrier			CRS 64
Ratios	4.25, 4.63, 5.14, 5.57, 6.17, 6.83, 7.14		
*Max. GCW 65,000 lbs.			

SPRINGS:	**Front** (FAW 536C)	**Rear** (RAS 23C)
Ground load rating	10,500 lbs.	23,000 lbs.
Size	55" x 3½"	53½" x 3"
Leaves, No. & Thickness (L.F.) 3 Tapered @ .715" (R.F.) 3 Tapered @ .660"		9 @ .588"
Pack Thickness @		
Axle/Spring Pad	(L.F.) 2.597" (R.F.) 2.432"	
BRAKES: AIR	12.0 CFM — 6-W T/F 501 Air compressor	
Front (cam type)	16½" x 5" (314 sq. in.)	
Rear (cam type)	16½" x 7" (440 sq. in.)	
Auxiliary	Spring loaded type	
AIR RESERVOIR	One (two compt.)	
Location	Left frame rail	
Capacity (total)	3015 cu. in.	
WHEELS & TIRES:		
Wheels	Cast spoke	
Tires	**10.00-20 (12 P) 7.5 rims**	
STEERING GEAR: Model*	**SG 46**	
Steering Wheel: Diameter & Ratio	22"; 28.14:1	
***SG 46 available with FAW 536 Series only.**		

FRAME: Size	Material	Section Modulus	RBM In. Lb. Per Rail
9" x 3¼" x ¼"	Heat-Treated 110,000 PSI Minimum Yield Strength Steel	9.76	1,070,000

CAB (MACK)	**CA 363 (incl. rider seat)**
Type (90° BBC)	Offset, two man
STANDARD CHASSIS WEIGHT (Est. lbs.): front 6,285, Rear 4,024, Total 10,309	

CHASSIS EQUIPMENT

Automatic reset circuit breakers
Back-up light
Brake-away safety valve
Bumper, flush type
Cab roof vent, two-way
Cab step, left side
Combination Cab heater and defroster, 37,500 BTU
Combination stop, tail, & rear turn signals (2)
Engine fan, viscous type
Eng.: Purr Limiter (N/A w/ U606T)
Engine stop control
Federal noise requirement
Head & marker light signaling system
Headlights
Hood & fenders, unitized fiberglass (tilts forward)
Horn, electric, single tone
I.D. & clearance lamps
Low air pressure, buzzer
Rear view mirrors: two, West Coast type (black enamel finish)
Seat belts
Shock absorbers, front
Side marker lights & reflectors
Sun visor, left side
Tachometer, single hand
Tow eye (Sorg, brkt. mounted)
Trailer conn.: semi-trailer
Turn signals: front & rear (with 4-way flasher)
Underframe exhaust
Voltmeter
Warning light for spring loaded aux. brakes
Windshield glass: Solex
Windshield washers
Windshield wipers, air, dual, single motor

MANDATORY OPTIONAL EQUIPMENT

FMVSS 121 Brake System with Eaton, *Anti-Wheel Lock Brake System - Rear

*Not available on RAD 29C rear axle

RAD 23C	23,000 lbs. capacity
Carrier	CRD 117
Ratios	3.71, 4.00, 4.25, 4.62, 4.88, 5.43, 5.78, 6.36, 6.80, 7.48, 7.85
Springs:	(Std.) (Opt.) (Opt. H.D.)
Ground load ratings	23,000 lbs. 19,000 lbs. 23,000 lbs.
Size	53¾" x 3" 53¾" x 3" 53¾" x 4"
Leaves, No. & thickness	9 @ .558" 8 @ .558" 11 @ .558" 2 @ .499"
Brakes: Cam type	16½" x 7" (440 sq. in.)
*RAD 29C	29,000 lbs. capacity
Carrier	CRD 118
Ratios	3.94, 4.23, 4.80, 4.99, 5.52, 5.98, 6.52, 7.21, 7.81, 8.52
Springs	(Std.)
Ground load rating	29,000 lbs.
Size	51" x 3"
Leaves no. & thickness	12 @ .499
(Radius Rods)	2 @ .447"
Brakes: Cam type	16½" x 7" (440 sq. in.)
R 170C-W	23,000 lbs. capacity
Ratios	3.70, 4.11, 4.33, 4.62, 4.87, 5.78, 5.86, 6.14, 6.83, 7.40
Springs:	
Ground load ratings	23,000 lbs. 19,000 lbs.
Size	53¾" x 3" 53¾" x 3"
Leaves no. & thickness	9 @ .558" 6 @ .558" 2 @ .499"
Brakes: Cam type	16½" x 7" (440 sq. in.)
Wedge type	15" x 7" (440 sq. in.)

*RAD 29C requires a minimum tire size 12.00-24, exempting chassis from FMVSS121 anti-wheel lock system requirements.

HELPER SPRINGS, REAR:
Size ..... 38" x 3"
Leaves, No. & thickness ..... 8 @ .291"

AIR CLEANER: See Data Book Engine Section

ELECTRICAL SYSTEM: Starting ..... 24 Volt

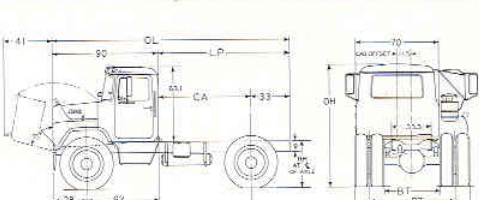
ALTERNATOR: ..... 12 volt, 85 amp. (Leece Neville)
12 volt, 75 amp. (Delco)
12 volt, 90 amp. (Delco)

WHEELS AND TIRES:
Discs (7.5 rims) ..... Alum., hi-tensile, or accu-ride
(8.0 rims) ..... Steel
Tires and rims ..... 10.00-22 (12P) 7.5 rim
11.00-20 or 11.00-22 (12P) 8.0 rim

FUEL TANKS: The following in addition to **STANDARD**
70 gal., L.H., steel, rect., step
80 gal., L.H., steel, rect., step
The following in place of **STANDARD**
70 gal., L.H., steel, rect., step
80 gal., one each side, steel, rect., step
80 gal., L.H., steel, rect., step
80 gal., R.H., steel, rect., step

OPTIONAL CHASSIS EQUIPMENT:

Air dryer
Air intake system — outside underhood (Incl. 15" single element air cleaner)
Air starting
Aluminum brkts. (Engine rr spot.)
Aluminum carrier housing (R170 only)
Aluminum hush bumper
Automatic drain valve
Brake, alcohol evaporator
Bumper extended type, steel (96" BBC)
Cab air conditioner
Chrome-plated turn signals, front
Deluxe cab interior — CAD 363
Driver's seat: Bostrom, Viking T-bar, Viking Air, West Coaster or Level-Air: Anchorlock Earl: National Cush-N-Air
Electric window lift, right side
Engine brake (Mack) (N/A W/U6261)
Ether applicator
Exhaust brake
Exhaust pyrometer (Standard W/E1AZ 673A & ENDT 676)
Hand control valve
Horn, electric, dual tone
Horn, air, twin or single
Hubodometer
Hydraulic jack, 8- or 12-ton
Mack Bulldog mirrors
Maxi-Miser road speed governor (ENDT 675 & ENDT 676 only)
Oil level indicator, remote
Radiator, 1000 sq. in. (bolted coresT.) (FT 673 S)
Radiator guard, plate type (with ext. bumper only)
Radiator shutters (automatic)
Radio — AM
Seat belt retractors
Stainless STL. W.C., rear view mirrors
Steering gear — SG261 (required W/FAW 527 series)
Sun visor, right side
Tachograph (RPM and/or MPH)
Throttle control for turbo-unloader operation
Turbo-unloader (W/vertical exhaust only — N/A/ W/U626T)
Vertical exhaust
Wig wag tow air pressure indicator



WB	LP	CA	OL	Turning Circle Dia. (Outer edge of Tire) Est.	
				Right	Left
135	109	76	199	48 ft.	48 ft.
147	118	85	208	50 ft.	50 ft.

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

TIRE SIZE	OH	RH		Front Tread	OT	RT	BT
	Approx.	Empty	Loaded		Spoke Wheels		
10.00-20	102.2	41.2	37.5	76.9	95.3	71.4	47.5
10.00-22	103.2	42.2	38.5	76.9	95.3	71.4	47.5
11.00-20	102.8	41.8	38.1	76.4	96	71.1	46.3
11.00-22	103.8	42.7	39.1	76.3	96	71.1	46.3

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

U-600T SERIES

RECOMMENDED POWER TRAIN COMBINATIONS

Engine†	Clutch	Transmission	*Drive Shaft Series	Rear Axle
ET 673E (TU-FLO 501)	CL661 CL771	RT610	1710	RAS23C
ETV 673E (TU-FLO 501)	CL69 CL79 CL75 CL77 CL78	TRD722 TRDT722 TRDT726	1710 1710 1710	RAD23C
		MT654CR	1710	
ETAZ 673A (TU-FLO 501)	CL75 CL751 CL78 CL79	TRDL1070 TRTXL1070 RT1110 RTO1110 RTO(I)2510 RTO(I)3513	1810 1880 1810 1810 1810 1810	RAD25C R170C-W
ETAY673A (TU-FLO 501)	CL751 CL721			
		HT754CRD	1810	
EN07675 (TU-FLO 501)	CL69 CL75 CL77 CL78	TRL1076	1710HD	
ETV 675 (TU-FLO 501)	CL79 CL721	TRL1078 TRDL5107C**	1710HD 1710HD	
		HT754CRD	1810	
EN07 676 (TU-FLO 501)	CL75 CL78 CL79	TRL1076	1810	
ETAY 676 (TU-FLO 501)	CL721	TRL1078 TRDL5107D	1810 1810	
		HT754CRD	1880	
EV627 (TU-FLO 501)	CL69 CL78 CL75 CL79 CL77	RT910 RT9509A RTO(I)3513 RTO(I)513 TRDL1070 TRTXL1070	1710 1710H.D. 1710H.D. 1710H.D. 1710H.D. 1880	
EV627T (TU-FLO 501)	CL680 CL751 CL772 CL791	RT9509A RT1110 TRDL1070 TRTXL1070	1710H.D. 1710 1710H.D. 1880	

†Standard air compressor shown.

*Drive shaft series represents size, not manufacturer
**N/A w/ET1675.