



EB209R

# MODELS

## R-609RT

## R-611RT

- MACK THERMODYNE DIESEL FUEL ECONOMY
- EXTRA ROOMY CAB INTERIOR
- RIGHT HAND DRIVE
- MACK BUILT COMPONENTS

### STANDARD EQUIPMENT

<b>WHEELBASE</b> .....	<b>147"</b> (LP 105"; CA 72")	
<b>ENGINE:</b> (MACK Diesel)	<b>R-609RT</b>	<b>R-611RT</b>
Model (Thermodyne) .....	<b>END 711</b>	<b>ENDT 673</b>
Type (6 cyl.) .....	Naturally aspirated	Turbocharged
Bore and stroke .....	5" x 6"	4 <sup>7</sup> / <sub>8</sub> " x 6"
<b>Piston displacement, cu. in.</b> .....	<b>707</b>	<b>672</b>
<b>Brake horsepower at rpm</b> .....	<b>211 @ 2100</b>	<b>225 @ 2100</b>
<b>Max. torque (lb.-ft.) at rpm</b> .....	<b>602 @ 1350</b>	<b>653 @ 1500</b>
Lube oil filter (12 qts.) .....	Comb. full-flow by-pass	
Lube oil cooler .....	Standard	
Air cleaner .....	Oil bath type	
Radiator, frontal area, sq. in. ....	1000	700
Thermostat, to open .....	170°	
Fuel pump (APE) .....	Multiple unit	
<b>FUEL TANK</b> .....	<b>55 gal.</b> , right side, steel, rect., step	
<b>ELECTRICAL SYSTEM:</b> Generator .....	<b>12 Volt, 55 Amp.</b>	
Starting system .....	12 Volt	
Batteries (Group 4H) .....	(4) 6 Volt	
Plates per cell 23; Amp hr. @ 20 hr. rate .....	170	
<b>CLUTCH:</b> (MACK) .....	<b>CL 28</b>	
Type .....	Single-plate, dry, 14 <sup>7</sup> / <sub>8</sub> " O.D.	
Area of engagement, sq. in. ....	253	
<b>TRANSMISSION:</b> (MACK) .....	<b>TRD 722</b>	
Type .....	Ten-speed, direct Duplex	
<b>DRIVESHAF:</b>		
Make and size .....	Spicer; 1700; 3 <sup>1</sup> / <sub>2</sub> " O.D.	
<b>FRONT AXLE:</b> (MACK) .....	<b>FA 534</b>	

### FOUR-WHEEL • DIESEL • TRACTOR

<b>REAR AXLE:</b> (MACK) .....	<b>RAD 529</b>
Carrier (Dual Reduction) .....	CRD 117
Ratios .....	4.00, 4.25, 4.62, 4.88, 5.43, 5.78, 6.36, 6.80, 7.48, 7.85, 8.83, 9.87
<b>SPRINGS:</b> Semi-Elliptic	<i>Front</i> <i>Rear</i>
Size .....	54" x 3 <sup>1</sup> / <sub>2</sub> "                      53 <sup>3</sup> / <sub>4</sub> " x 3"
Leaves, no. & thickness .....	12 @ .323"                      6 @ .558"                      2 @ .499"
<b>BRAKES:</b> Type .....	<b>Air</b>
Front .....	16 <sup>1</sup> / <sub>2</sub> " x 3" (204 sq. in.)
Rear .....	16 <sup>1</sup> / <sub>2</sub> " 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.)
<b>WHEELS &amp; TIRES:</b>	
Wheels .....	Cast spoke
Tires .....	<b>10.00-20 (12P), 7.5 Rims</b>
<b>STEERING GEAR:</b> Model .....	<b>SG 26</b>
Steering wheel diameter; ratio .....	22"; 28.4:1
<b>FRAME:</b> Size .....	<b>9" x 3<sup>1</sup>/<sub>4</sub>" x 1<sup>1</sup>/<sub>4</sub>"</b>
Material .....	Chrome-manganese steel, heat-treated
Section Modulus .....	9.76
Resisting bending moment .....	878,400 in. lbs. per rail
<b>CAB:</b> (MACK) .....	<b>CAR 36</b>
Type (109" BBC) .....	Conventional, two-man, Right hand drive
<b>HOOD &amp; FENDER ASSEMBLY:</b>	
R-609RT .....	Steel butterfly hood & flat fenders
R-611RT .....	Unitized fiberglass hood & fenders (tilts forward)
<b>STANDARD CHASSIS WEIGHT (LBS.):</b> Est.	
R-609RT—Front 6,393; Rear 4,225; Total 10,618	
R-611RT—Front 6,050; Rear 4,185; Total 10,235	

### CHASSIS EQUIPMENT

Air intake system, outside—underhood	Low air pressure indicator, buzzer	Tachometer, single hand
Automatic radiator shutters	Rear view mirrors, two, West Coast type (black enamel finish)	Towing eyes
Automatic reset circuit breakers	Reflectors, one each side, cab rear	Trailer conn., semi-trailer
Bumper, extended	Seat belt anchors	Turn signals, front (with 4-way flasher)
Cab roof vent, two-way	Shock absorbers, front	Underframe exhaust
Cab step, right side	Steering column, adjustable	Voltmeter
Headlights and parking lights	Stop and tail light	Wheel wrench and handle
Horn, electric, single tone	Sun visor, right side	Windshield glass, Solex
I.C.C. & Marker lights		Windshield wipers, air, dual, single motor

**MACK TRUCKS, INC.**

**OPTIONAL EQUIPMENT**

**MODELS R-609RT & R-611RT**

**WHEELBASE** ..... 165", \*182"

\*For local inst. of sleeper box.

**ENGINE:** (MACK Diesel) R-611 ..... ENDT 673C  
 H.P. @ 2100 rpm (gov.) ..... 250  
 Max. torque @ 1600 rpm ..... 701

**TRANSMISSION:** (MACK)  
 TRD 7220 ..... 9-spd., overgear, Duplex  
 TRT 722 ..... 15-spd., direct, Triplex  
 TRT 7220 ..... 13-spd., overgear, Triplex  
 TRQ 7220 ..... 18-spd., overgear, Quadruplex  
 TR 722 & B/L 8031 P ..... 5 spd. direct } 3 speed aux.  
 TR 7220 & B/L 8031 P ..... 5 spd. overgear } w/wo power tower  
 TR 722 & B/L 8341 C ..... 5 spd. direct } 4 speed aux.  
 TR 7220 & B/L 8341 C ..... 5 spd. overgear } w/wo power tower  
 PTO, compound case ..... TRQ 7220

Overgear transmission required when GCW exceeds 73,000 lbs.

**FRONT AXLE:** (MACK)

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

**REAR AXLE:** (MACK)

RAD 5291 CRD 117 ..... Same as std. RAD 529  
 RAD 533 CRD 119 ..... 4.60, 4.99, 5.52, 5.98,  
 6.52, 7.21, 7.81, 8.52, 9.38  
 RAD 606 CRD 118 ..... Same as RAD 533  
 RA2DT 518 CR2D 101 ..... 5.38-7.12, 6.18-8.28  
 RA2DT 519 CR2D 101 ..... Same as RA2DT 518

RA2DT (2-spd. axles) available with TR 722 or TR 7220.  
 RAD 533 or RAD 606 required when GCW exceeds 72,000 lbs.

**SPRINGS:** (Rear)

\*Heavy Duty ..... 9 leaves @ .558"  
 \*Standard for RAD 606  
 Heavy Duty (RAD 606) ..... 11 leaves @ .558"  
 Helper springs (36" x 3") ..... 8 leaves @ .291"

**BRAKES:** (MACK)

FA 535, FA 532 ..... 16½" x 4" (276)  
 RAD 5291, RAD 533, RAD 606 ..... 16½" x 7" (476)

**BRAKES:** (Rockwell-Standard, Stopmaster)

RA2DT 518 ..... 15" x 6" (377)  
 RA2DT 519 ..... 15" x 7" (440)  
 Rockwell-Standard, Stopmaster brakes include automatic brake adjustment.

**FRAME:** Reinforcement ..... ¼" Inside Channel

Section Modulus ..... 17.72  
 Resisting bending moment ..... 1,594,800 in. lbs. per rail

**ELECTRICAL SYSTEMS:**

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

**WHEELS & TIRES:**

Disc (7.5 Rims) ..... Aluminum or \*Hi-Tensile  
 (8.0 Rims) ..... Steel  
 Tires and Rims ..... 10.00-22 (12P); 7.5  
 \*Specify Budd or Firestone 11.00-20 or 11.00-22 (12P); 8.0

**FUEL TANK:** (gallons)

Steel, rect., step ..... 55, left side  
 Steel, rect., step ..... 70, left side

**CHASSIS EQUIPMENT**

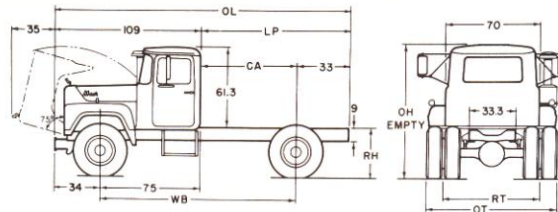
Air reservoir, isolated for spring-loaded brakes  
 Air starting  
 Automatic drain valve  
 Brake, alcohol evaporator  
 Break-away safety valve  
 Cab air conditioner  
 Cab heater and defroster, 37,500 btu  
 Cab step, left side  
 Chrome plated turn signals

Chrome plated W.C. rear view mirrors  
 Differential, Mack Power Divider for Dual Reduction rear axles  
 Driver's Seat—Bostrom, West Coaster or Viking T-bar; General, #107; American Metal, Unison Action  
 Engine water filter, Perry  
 Exhaust brake  
 Front wheel brake limiting valve  
 Hand control valve

Horn, air, twin or single  
 Horn, electric, dual tone  
 Hubodometer  
 Hydraulic jack, 8- or 12-ton  
 Power steering  
 Pyrometer, exhaust  
 Radiator, 1000 sq. in. (bolted const.)  
 Radiator guard, plate type (with ext. bumper only)  
 Seat belts

Spring loaded parking brake, incl. warning light in cab (with or w/o std. driveshaft brake)  
 Stop and tail light, extra  
 Sun visor, left side  
 Tachograph (RPM and/or MPH)  
 Turn signals, rear (loose)  
 Vertical exhaust  
 Wig-wag low air pressure indicator  
 Window power lift, left side  
 Windshield washers

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



WB	LP	CA	OL	Turning Circle Dia. (Outer edge of tire) Est.	
				Right	Left
147	105	72	214	51 ft.	51 ft.
165	123	90	232	53 ft.	53 ft.
182	140	107	249	60 ft.	60 ft.

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

TIRE SIZE	OH		RH		Front Tread	Spoke Wheels	
	Approx.	Empty	Loaded			OT	RT
10.00-20	100.6	41.2	37.5	76.9	95.3	71.4	47.5
10.00-22	101.5	42.2	38.5	76.9	95.3	71.4	47.5
11.00-20	101	41.8	38.1	76.4	96	71.1	46.3
11.00-22	102	42.7	39.1	76.3	96	71.1	46.3

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

**MACK TRUCKS WORLDWIDE LIMITED**

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