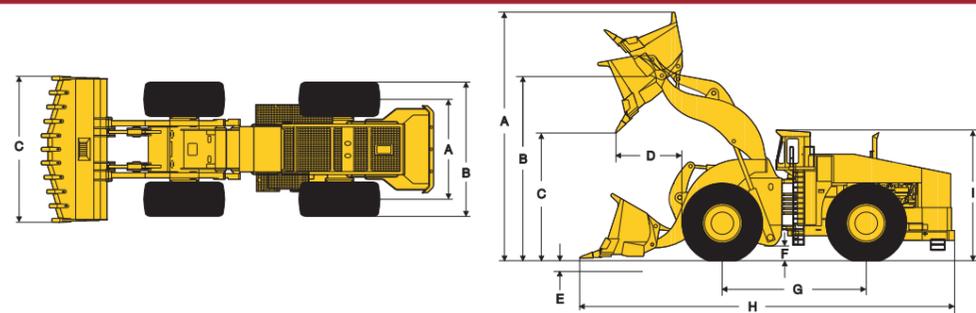


OPERATING CAPACITIES, WEIGHTS AND DIMENSIONS

	STANDARD LIFT		HIGH LIFT	
Bucket Capacity	28 yd ³	21.41 m ³	26 yd ³	19.88 m ³
Operating Payload	84,000 lbs	38,102 kgs	78,000 lbs	35,381 kgs
Bucket Width	20 ft 7 in	6.27 m	20 ft 7 in	6.27 m
Bucket Width with Deflectors	22 ft 6 in	6.86 m	22 ft 7 in	6.88 m
Bucket Width without Deflectors	20 ft 8 in	6.29 m	20 ft 8 in	6.29 m
Hinge-Pin Height	28 ft 0.75 in	8.56 m	29 ft 10 in	9.10 m
Dump Clearance	21 ft 1 in	6.43 m	23 ft 2 in	7.01 m
Reach @ Full Lift	8 ft 10 in	2.69 m	8 ft 10 in	2.69 m
Digging Depth	0 ft 8 in	0.20 m	1 ft 3 in	0.38 m
Height - Bucket Fully Raised	36 ft 6 in	11.13 m	37 ft 12 in	11.58 m
Ground Clearance	2 ft 0.5 in	0.64 m	2 ft 0.5 in	0.64 m
Overall Length Bucket Down	55 ft 5 in	16.89 m	57 ft 2 in	17.42 m
Overall Length Carry Position	54 ft 11 in	16.74 m	57 ft 4 in	17.46 m
Wheel Base	21 ft 3 in	6.48 m	21 ft 3 in	6.48 m
Tread	14 ft 7 in	4.45 m	14 ft 7 in	4.45 m
Width Outside Tires	18 ft 11 in	5.77 m	18 ft 11 in	5.77 m
Height Over Cab	19 ft 10 in	6.05 m	19 ft 10 in	6.05 m
Static Tipping Loads				
Straight	229,434 lbs	104,071 kgs	210,070 lbs	(95,485 kgs)
Full 45° Turn	192,950 lbs	87,522 kgs	181,460 lbs	(82,480 kgs)
Breakout Force	220,000 lbs	99,792 kgs	217,930 lbs	(99,060 kgs)
Operating Weight	400,000 lbs	181,438 kgs	405,000 lbs	(183,705 kgs)

STANDARD CONFIGURATION



	TOP VIEW		SIDE VIEW		STANDARD LIFT		HIGH LIFT	
(A)	14 ft 7 in	4.45 m	Bucket	28 yd ³	21.41 m ³	26 yd ³	19.88 m ³	
(B)	18 ft 11 in	5.77 m	(A)	36 ft 6 in	11.11 m	37 ft 11.5 in	11.56 m	
(C)	20 ft 7 in	6.27 m	(B)	28 ft .75 in	8.53 m	29 ft 10 in	9.10 m	
			(C)	21 ft 1 in	6.43 m	23 ft 2 in	7.01 m	
			(D)	8 ft 10 in	2.68 m	9 ft 6 in	2.88 m	
			(E)	0 ft 8 in	0.21 m	1 ft 3 in	0.38 m	
			(F)	2 ft 0.5 in	0.74 m	2 ft 0.5 in	0.74 m	
			(G)	21 ft 3 in	6.48 m	21 ft 3 in	6.48 m	
			(H)	55 ft 5 in	16.89 m	57 ft 2 in	17.43 m	
			(I)	19 ft 10 in	6.03 m	19 ft 10 in	6.03 m	



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Meets the following MSHA, SAE and ISO Safety Standards:

Brake Performance Test SAE J1473 / ISO 3450 • Capacity Rating - Loader Bucket SAE J742 • Exterior Sound Level SAE J88 • FOPS SAE J231 / ISO 3449
Interior Sound Level SAE J919 • Rated Operating Load for Loaders SAE J818 • ROPS SAE J1040 / ISO 3471 • Steering Test SAE J1511 / ISO 5010

Please Note: Standard/Optional Equipment, Features and Performance conform to U.S. and International Codes as Required. LeTourneau Technologies, Inc. has made every effort to make these specifications as accurate as possible at the time of printing. However, we reserve the right to make changes and improvements at any time without notice, in equipment, materials and specifications. To ensure the most current information, please contact your dealer representative.

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SPECIFICATIONS

Engine	1600 hp (1193 kW)
Payload	
Standard	84,000 lbs (38,102 kgs)
High lift	78,000 lbs (35,381 kgs)
Bucket capacity	sized to material density
Truck match	150-260 ton



POWER MODULE

DIESEL POWER OPTIONS

DETROIT DIESEL ENGINE

	Tier One	Tier Two
Model	12 V Series 4000 12 cylinders	12 V Series 4000 12 cylinders
Type	4-cycle turbocharged	4-cycle turbocharged
Rated Power	1600HP (1193 kW)@1900 rpm	1600HP (1193 kW)@1800 rpm
Bore and Stroke	6.5 in x 7.5 in (165 mm x 190 mm)	6.69 in x 8.27 in (170 mm x 210 mm)
Displacement	2975 cu in (48.75 l)	3493 cu in (57.3 l)

CUMMINS DIESEL ENGINE

	Tier One	Tier Two
Model	QSK 45 12 cylinders	QSK 50 16 cylinders
Type	4-cycle turbocharged	4-cycle turbocharged
Rated Power	1600HP (1193 kW)@1900 rpm	1600HP (1193 kW)@1800 rpm
Bore and Stroke	6.26 in x 7.48 in (159 mm x 190 mm)	6.26 in x 6.26 in (159 mm x 159 mm)
Displacement	2746 cu in (45.99 l)	3069 cu in (50.3 l)

RADIATOR/OIL COOLER

- Replaceable tube type, side by side split flow
- Thermostatically controlled, variable speed hydraulic motor-driven, radiator-mounted fan
- Auxilliary oil cooler available for high ambient conditions

AIR FILTRATION

PRIMARY

LeTourneau Self Cleaning KLENZ™ Filtration System 99.9% Efficiency Removing +0.3 Microns (nominal)

- Extends maintenance intervals
- Filtered air for engine, drive system cooling and Pressurized cab

SECONDARY

Dual safety filters for engine

EXHAUST SYSTEMS

Dual low restriction mufflers with top hood discharge

CONTROL SYSTEM-LINCS™

LeTourneau Integrated Network Control System-LINCS™

Microprocessor Based Full Digital Control and Monitoring

Hydraulics • Electronics • Engine • Propulsion System • Electrics

- Modular design
- Built-in diagnostics
- Dash display and keypad
- Three levels of warning lights with audible alarm

LINCS™ LOAD WEIGH

Integrated microprocessor based data logging and storage system

Displays real time load per pass, per truck and total loads

- Alerts operator if overload occurs
- Stores several month's of production information
- Interfaces with radio dispatch systems for real-time monitoring

GAUGES AND INDICATORS

- Engine coolant temperature gauge
- Engine lube-oil pressure gauge
- Fuel level gauge
- Hourmeter
- Speedometer
- System air pressure gauge

PROPULSION SYSTEM

Switched Reluctance (SR) Propulsion System

- Unique solid-state controlled traction drive
- SR drive advantages include:
No commutator, rotor windings or brushes

TRAVEL SPEED

INFINITELY VARIABLE

Forward and reverse 0-10 mph (0-16.1 kph)

GENERATOR

- LeTourneau 9B generator
- Alternating-current, 3-phase, 4-pole
- Solid-state controlled
- Standby power capability

TRACTION MOTORS

- LeTourneau SR B40
- All wheel drive
- Independent

DRIVE GEARING

Model LeTourneau 51-B

- In-line gear train mounted within the rim of the tire, transmitting power from the traction motor to the tire/rim assembly.
- Each drive unit consists of a four-stage planetary.
- Total reduction 140:1

BRAKING SYSTEM

PRIMARY BRAKE SYSTEM

Electric dynamic braking system may be controlled from the accelerator and/or brake pedal. Braking system brings the loader to a full stop without application of mechanical brakes.

SECONDARY BRAKE SYSTEM

Air modulated motor speed disc brakes.

- Single disc and caliper per position
- Emergency fail safe brake mode is spring applied in the event of pressure loss.

PARKING BRAKE SYSTEM

Spring applied, air release motor speed disc brakes.

FRAME

The unique LeTourneau frames are fabricated from high-strength, low-alloy steel with excellent weld characteristics and low temperature properties. The front axle is an integral, fixed part of the frame. The rear axle oscillates a total of +/-11 degrees.

The independent power module mounting system is cradled within the rear frame by a three-point isolation system.

STEERING AND HOISTING SYSTEM

STEERING

Joystick controlled articulating frame, power steering. LeTourneau's constant engine rated RPM assures full hydraulic steering response regardless of the vehicle's duties or speed.

• Operating pressure	3400 PSI (23,426 kPa)
• Articulation angle	40°
• Rear axle oscillation	+/-11°
• Turning radius	
Standard lift	40 ft 6 in (12.34 m)
High lift	42 ft 1 in (12.82 m)

HOIST AND BUCKET CONTROL

Hoist and bucket control functions are incorporated into a simple joystick control. The proportional electro-hydraulic controlled hoist and bucket system is independent of the steering system utilizing single stage, double-acting cylinders.

Hydraulic Cycle Times Standard/High lift:

• Hoist	13 Seconds
• Dump	3 Seconds
• Float	5 Seconds

HYDRAULIC SYSTEM

HPD DRIVE BOX

- Wet spline design with pressurized, cooled and filtered lubrication
- Ratio 1:1

PUMPS

Main	Piston (3)	375 GPM (1419 l/min)
Steering	Piston	90 GPM (341 l/min)
Fan Drive	Piston	45 GPM (170 l/min)
Blower	Piston	60 GPM (227 l/min)
Cooling System		
Circulating Pump	Vane	100 GPM (379 l/min)

VALVES

Main	Three (3)	185 GPM (700 l/min)
	Relief Pressure	3300 PSI (22,737 kPa)
Steering	One (1)	90 GPM (341 l/min)
	Relief Pressure	3400 PSI (23,426 kPa)

CYLINDERS

Double-acting, single-stage (diameter and stroke), (standard and high lift)

• Hoist	13.5 in x 74.5 in (343 mm x 1892 mm)
• Bucket	10.0 in x 41.5 in (254 mm x 1054 mm)
• Steering	7.5 in x 30.0 in (191 mm x 762 mm)

GENERAL SERVICE DATA

FLUID CAPACITIES

• Fuel	925 gals (3501 l)
• Hydraulic	375 gals (1,419 l)
• Cooling system	101 gals (382 l)
• Crankcase (includes filters)	
Detroit Diesel	58 gals (220 l)
Cummins Engine	57 gals (216 l)
• Gearbox	7 gals (27 l)
• Drivers (each)	36 gals (136 l)

STANDARD FEATURES

TIRES/RIMS

- Tires 50/80-57 68 PR (L-4)
- Rims 36-57

GAUGES AND INDICATORS

- Engine coolant temperature gauge
- Engine lube-oil pressure gauge
- Fuel level gauge
- Hourmeter
- Speedometer
- System air pressure gauge

STANDARD EQUIPMENT

- Access Ladder Lights
- Air Clean-Out Hose in Cab
- Air Conditioning/Heater-Defroster Filtered and Pressurized
- Air Dryer System
- Air Horn
- Air Tank Bleed System
- Automatic Adjustable Lift Height Cut Off
- Automatic Bucket Leveling Device
- Automatic Electric Cabinet Lights
- Automatic Lubrication System
- Backup Alarm, Audible
- Battery Disconnect Switch
- Cigar/Cigarette Lighter
- Dual Door Interlock System
- Dust Detectors, Engine Intake Air
- Drawbar with Tow Hitch
- Emergency Exit – Removable Safety Window
- Emergency Stop Kit - Cab and Remote Mounted

- Engine Compartment Light
- Five (5) Gallon Windshield Washer Reservoir
- FOPS, Falling Object Protection System
- Ground Fault Electrics
- HID Headlights (2 Forward)
- High, Low Idle Switch
- Idle Timer
- Illuminated Instrument Panel
- Interior Lights
- Joystick Hoist and Bucket Controls
- Joystick Steering
- Ladder Walkway-Rear Access with Retracting Ladder
- LINCS Alarms
- LINCS - LeTourneau Integrated Network Control System
- Manual Fire Extinguisher, 20 lbs (9.07 kgs)
- Maintenance Lock-Out Switch
- Mirror, Rearview (Parabolic) (2)
- Operator Seat – 9-Way Adjustable
- Overspeed Alarm
- Parking Brake
- Retractable Lap Belt and Shoulder Harness
- Rock Deflectors (Bucket)
- ROPS, Rollover Protective Structure
- Standby Power Capability
- Sun Visor
- Tinted Safety Glass Throughout (Thermopane)
- Turn Signals
- Twelve (12) Volt Power Supply
- Windshield Wiper and Washer, Front and Rear
- Work Lights, 110 Volt - 500 Watt (4) Front (2) Rear

OPTIONAL FEATURES

- Auxiliary Oil Cooler
- Auxiliary Steering System
- Beacon Light Kit (Amber)
- Central Service with Fast Fuel
- Engine Heating System Oil and Water
- Fast Fuel
- Fluid Sampling Kit
- Fire Detection and Suppression System (Manual)
- Grease Reservoir Heater
- High Lift
- Hydraulic Tank and Battery Heater
- Jump Start Kit
- Remote Monitoring System
- Standby Power
- Tires/Rims
 Tires 50/80-57 (L-4), 52/80-57 (L-4), 55/80R-57 (L-5)
 Rims 44-57
- Training Seat w/Seatbelt
- Video Camera, Rear Mounted

BUCKETS

STANDARD, SAE-RATED CAPACITY: 84,000 LBS (38,102 KGS) ROCK / COAL

- Bucket sized to material density
-

HIGH LIFT, SAE-RATED CAPACITY: 78,000 LBS (35,381 KGS) ROCK / COAL

- Bucket sized to material density

BUCKET HARDWARE OPTIONS

- Lip Wear Protection and Teeth
- Skid Plates - Replaceable
- Wear Liner Kits

For additional bucket sizes and hardware options consult your dealer representative.