



L-2350

SPECIFICATIONS

Engine 2300 hp (1715 kW)

Payload

Standard 160,000 lbs (72,574 kgs)

High lift 150,000 lbs (68,039 kgs)

Bucket capacity sized to material density

Truck match 240-400 + tons



POWER MODULE

DIESEL POWER OPTIONS

DETROIT DIESEL ENGINE

	Tier One	Tier Two
Model	16V Series 4000	16V Series 4000
Type	4-cycle turbocharged	4-cycle turbocharged
Rated Power	2300 HP (1715 kW) @ 1900 rpm	2300 HP (1715 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	3967 cu in (65.0 l)	4654 cu in (76.27 l)

CUMMINS DIESEL ENGINE

	Tier One	Tier Two
Model	QSK 60	QSK 60
Type	4-cycle two stage turbocharged	4-cycle turbocharged
Rated Power	2300 HP (1715 kW) @ 1900 rpm	2300 HP (1715 kW) @ 1800 rpm
Bore and Stroke	6.26 in x 7.48 in (159 mm x 190 mm)	6.26 in x 7.48 in (159 mm x 190 mm)
Displacement	2746 cu in (45 l)	2746 cu in (45 l)

RADIATOR/OIL COOLER

- Split flow side by side
- Thermostatically controlled
- Independent hydraulic motor-driven, radiator mounted fan
- Variable-speed fan
- Auxiliary oil cooler available for high ambient conditions

AIR FILTRATION

- **LeTourneau Self Cleaning KLENZ™ System**
99.9% Efficiency

Supply filtered air for:

- Engine air
- Drive system cooling
- Pressurized cab
- Longest filter maintenance interval in industry

EXHAUST SYSTEM

Low restriction mufflers with vertical mid-hood discharge

CONTROL SYSTEM-LINCS™

LeTourneau Integrated Network Control System - LINCS™

Microprocessor Based Full Digital Control and Monitoring

Hydraulics • Electrics • Engine • Traction Drive

- Modular design
- Built-in diagnostics
- Dash display and keypad

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 months of production information
- Interfaces with radio dispatch systems for real-time monitoring

PROPULSION SYSTEM

- Solid-state AC-DC Phase Controlled Traction Drive
No Contactors or Power Switch Gear
Infinitely Variable Speed Control

TRAVELING SPEED

INFINITELY VARIABLE

Forward and reverse

0-10.5 mph (0-16.9 kph)

GENERATOR

- LeTourneau 12C generator
- Alternating-current, 3-phase, 4-pole
- Solid-state controlled
- Standby power capability

TRACTION MOTORS

- LeTourneau J2 traction motor four (4)
- Direct-current, 4-pole, shunt-wound

DRIVE GEARING

Model LeTourneau 57

- 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 planetary gear train
- Total Reduction 99:1

PRIMARY BRAKING SYSTEM

Electric braking (retarding) is designed as the primary braking system which can be controlled from the accelerator or retard/brake pedal. This solid-state, non-wearing braking system will bring the loader to a full stop without application of the air-operated disc brakes.

SECONDARY AND PARKING BRAKE SYSTEM

Motor speed disc brakes, air applied/spring-released automatic actuation on all four wheels in the event of pressure loss

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 +/-6.5 degrees.

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

STEERING AND HOISTING SYSTEM

STEERING

Articulating frame, joystick controlled power steering. The LeTourneau loader, with its constant-rated engine RPM, provides full steering response regardless of vehicle speed.

• Operating pressure	3400 PSI (23,426 kPa)
• Articulation angle	R-42°, L-41°
• Rear axle oscillation	+/- 6.5°
• Turning radius	
Standard lift	68 ft 7.75 in (20.92 m)
High lift	68 ft 11.5 in (21.02 m)

HOIST AND BUCKET CONTROL

Both 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.

Standard/High Lift Cycle Times:

• Hoist	16 Seconds
• Dump	3 Seconds
• Float	6 Seconds
• Total Time	25 Seconds

HYDRAULIC SYSTEM

HPD GEAR BOX

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

PUMPS

Main	Piston (4)	500 GPM	(1419 l/min)
Steering	Piston	90 GPM	(341 l/min)
Fan Drive	Piston	45 GPM	(170 l/min)
Blower	Piston	45 GPM	(170 l/min)
Accessory	Piston	14 GPM	(64 l/min)
Cooling System Circulating Pump	Vane	110 GPM	(417 l/min)

VALVES

Main	Three (3) Relief Pressure	185 GPM	(700 l/min) 4000 PSI (27,579 kPa)
Steering	One (1) Relief Pressure	90 GPM	(341 l/min) 3400 PSI (23,426 kPa)

CYLINDERS

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

- Hoist 16 in x 83 in (406 mm x 2108 mm)
- Bucket 12.5 in x 42.75 in (317.5 mm x 1085 mm)
- Steering 7.5 in x 30.0 in (191 mm x 762 mm)

FLUID CAPACITIES

- | | | |
|--------------------------------|-----------|-----------|
| • Fuel tan | 1050 gals | (3975 l) |
| • Hydraulic tank | 382 gals | (1,446 l) |
| • Cooling system | 130 gals | (492 l) |
| • Crankcase (includes filters) | | |
| Detroit Diesel | 66 gals | (250 l) |
| • Gearbox | 7 gals | (27 l) |
| • Drivers (each) | 25 gals | (95 l) |

STANDARD FEATURES

TIRES/RIMS

- Tires - 70/70-57 82 PR
- Rims - 60X57

GAUGES AND INDICATORS

- Engine Coolant Temperature Gauge
- Engine Lube-Oil Pressure Gauge
- Fuel Level Gauge
- Hour Meter
- Speedometer
- System Air Pressure Gauge

INDICATOR LIGHTS AND AUDIBLE ALARMS

The operator is informed of a potential problem by an audible alarm and indicator lights in addition to text messages on an in-dash display. The digital display provides repair technicians with operational data and fault messages in the event of a mechanical, electrical or electronic malfunction.

Three warning lights immediately advise the operator of the severity/condition of various engine, hydraulic, electrical and electronic systems of the loader (RED, AMBER and BLUE).

STANDARD EQUIPMENT

- Access Ladder Light Kit
- Air Cleanout Hose in Cab
- Air Conditioning/Heater-Defroster Filtered and Pressurized
- Air Dryer System
- Air Horn
- Air Tank Bleed Kit
- Automatic Adjustable Lift Height Cut Off
- Automatic Bucket Leveling Device
- Automatic Electrical Cabinet Lights
- Automatic Lubrication System
- Backup Alarm, Audible

- Battery Disconnect Switch
- Cigar/Cigarette Lighter
- Dual Door Interlock Kit
- Drawbar with Tow Hitch
- Emergency Exit – Removable Safety Window
- Emergency Stop - Cab and Remote Mounted
- Engine Compartment Light
- Five (5) Gallon Windshield Washer Reservoir
- FOPS, Falling Object Protection System
- Ground Fault Electrics
- HID Headlights
- 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 Alarm
- LINCS - LeTourneau Integrated Network Control System
- Manual Fire Extinguisher, 21 lbs (9.53 kgs)
- Maintenance Lock-Out Switch
- Mirror, Rearview (Parabolic) (2)
- Operator Seat with 9-way Adjustable with Retractable Seat Belt
- Over Speed Alarm
- Parking Brake
- Rock Deflectors (Bucket)
- ROPS, Rollover Protective Structure
- Standby Power Capability
- Sun Visor
- Tinted Safety Glass Throughout (Thermopane)
- Turn Signals
- Twelve (12) Volt Power Supply (Cab)
- Windshield Wiper and Washer, Front and Rear
- Work Lights, 110 Volt - 500 Watt (4) Front (2) Rear

OPTIONAL FEATURES

- Auxiliary Cab Heater
- Auxiliary Oil Cooler
- Auxiliary Steering System
- Central Service with Fast Fuel
- Engine Heating System, Oil and Water
- Fast Fuel
- Fluid Sampling Kit
- Grease Reservoir Heater
- Hydraulic Tank and Battery Heater
- Jump Start Kit
- Manual Fire Detection and Suppression System
- Remote Monitoring System
- Standby Power
- Tires-70/70-57 82 PR
- Video Camera, Rear-Mounted

BUCKETS

- **STANDARD, SAE-RATED CAPACITY: 160,000 LBS (72,574 KGS)**
- **HIGH LIFT, SAE-RATED CAPACITY: 150,000 LBS (68,039 KGS)**

Rock / Coal / Iron Ore
Bucket sized to material density

BUCKET HARDWARE OPTIONS

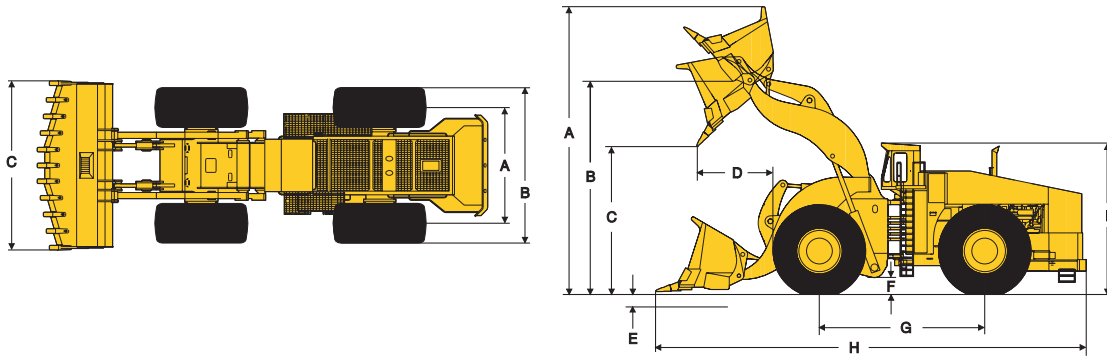
- Teeth and Lip Options Available
- Lip Wear Protection and Teeth
- Skid Plates - Replaceable
- Wear Liner Kits

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

OPERATING CAPACITIES, WEIGHTS, AND DIMENSIONS

	STANDARD LIFT		HIGH LIFT	
Bucket Capacity	53 yd ³	(40.52 m ³)	50 yd ³	(38.23 m ³)
Operating Payload	160,000 lbs	(72,574 kgs)	150,000 lbs	(68,039 kgs)
Bucket Width with Deflectors	24 ft 10.25 in	(7.58 m)	24 ft 10.25 in	(7.58 m)
Bucket Width without Deflectors	23 ft 0 in	(7.01 m)	23 ft 0 in	(7.01 m)
Hinge-Pin Height	32 ft 6 in	(9.91 m)	34 ft 9 in	(10.59 m)
Dump Clearance	23 ft .25 in	(7.02 m)	26 ft 3.5 in	(8.01 m)
Reach @ Full Lift	10 ft 5 in	(3.18 m)	11 ft 5.25 in	(3.49 m)
Digging Depth	10 in 0 in	(.25 m)	0 ft 10.25 in	(.26 m)
Height - Bucket Fully Raised	43 ft 11.25 in	(13.39 m)	45 ft 7 in	(13.89 m)
Ground Clearance	1 ft 7.75 in	(.50 m)	1 ft 7.75 in	(.50 m)
Overall Length Bucket Down	66 ft 6.25 in	(20.3 m)	68 ft 7 in	(20.9 m)
Overall Length Carry Position	65 ft 2.25 in	(19.87 m)	65 ft 10 in	(20.07 m)
Wheelbase	25 ft 10.25 in	(7.88 m)	25 ft 10.25 in	(7.88 m)
Tread	16 ft 5 in	(5.0 m)	16 ft 5 in	(5.0 m)
Width Outside Tires	22 ft 2 in	(6.76 m)	22 ft 2 in	(6.76 m)
Height Over Cab	21 ft 1.75 in	(6.45 m)	21 ft 1.75 in	(6.45 m)
Static Tipping Loads				
Straight	406,300 lbs	(184,300 kgs)	362,000 lbs	(164,200 kgs)
Full 42° Turn	379,400 lbs	(172,100 kgs)	338,000 lbs	(153,300 kgs)
Breakout Force	263,702 lbs	(129,730 kgs)	289,900 lbs	(131,500 kgs)
Operating Weight	586,000 lbs	(262,176 kgs)	598,000 lbs	(271,250 kgs)

STANDARD CONFIGURATION



TOP VIEW

(A)	16 ft 5 in	(5.0 m)
(B)	22 ft 2 in	(6.76 m)
(C)	24 ft 10.25 in	(7.58 m)

SIDE VIEW

	STANDARD LIFT		HIGH LIFT	
Bucket	53 yd ³	(40.52 m ³)	50 yd ³	(38.23 m ³)
(A)	43 ft 11.25 in	(13.39 m)	45 ft 7 in	(13.89 m)
(B)	32 ft 6 in	(9.91 m)	34 ft 9 in	(10.59 m)
(C)	23 ft .25 in	(7.02 m)	26 ft 3.5 in	(8.01 m)
(D)	10 ft 5 in	(3.18 m)	11 ft 5.25 in	(3.49 m)
(E)	0 ft 10 in	(.25 m)	0 ft 10.25 in	(.26 m)
(F)	1 ft 7.75 in	(.50 m)	1 ft 7.75 in	(.50 m)
(G)	25 ft 10.25 in	(7.88 m)	25 ft 10.25 in	(7.88 m)
(H)	66 ft 6.25 in	(20.28 m)	68 ft 7 in	(20.9 m)
(I)	21 ft 1.75 in	(6.45 m)	21 ft 1.75 in	(6.45 m)



P.O. Box 2307 • Longview, TX 75606 • (903) 236-6598 • fax (903) 236-6552 • www.letourneautechnologies.com

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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