

LOG STACKER SPECIFICATIONS



5592 5594

5592 & 5594 Log Stackers

Two & Four Wheel Drive

110,000 lbs. (49,896 kgs) Operating Lift Capacity

24 ft., (7.3152 m) Lift Height (Highest of any comparable machines)

Note: Optional equipment may be shown in photo.

LeTourneau

FORESTRY
PRODUCTS

Built on Experience. Driven by Vision.



POWER ENGINES

DETROIT DIESEL ENGINE

| | |
|------------------|---------------|
| Model | Series 60 |
| Tier 3, D-DEC 5 | |
| Rated Brake HP | 400 - 475 BHP |
| (SAE) @ 2100 RPM | 298 - 354 kw |

CUMMINS DIESEL ENGINE

| | |
|------------------|--------------|
| Model | QSX - 15 |
| Rated Brake HP | 400 - 475 HP |
| (SAE) @ 2100 RPM | 298 - 354 kw |

POWER TRAIN

5592 TWO WHEEL DRIVE

4B AC Generator, (400 kw)
 N-11 DC Traction Motors, 200 HP
 L4 -T Drivers, Ratio 92.4:1
 LeTourneau Solid State AC-DC Phase Controls

5594 FOUR WHEEL DRIVE

7B AC Generator, (700 kw)
 N-11 DC Traction Motors, 200 HP (Front)
 C-10 DC Traction Motors, 100 HP (Rear)
 L4 -T Drivers, Ratio 92.4:1 (Front)
 N3 Drivers, Ratio 76:1 (Rear)
 LeTourneau Solid State AC-DC Phase Controls

24 VOLT DC ELECTRIC SYSTEM

| | |
|------------|---------------------|
| Batteries | Two (2) 12 - Volt |
| Alternator | 24 - Volt DC 75 Amp |

AC POWER SYSTEM

| POWER SYSTEM | AC Motor | HP | KW |
|-------------------|----------|----|----|
| Hoist (Two Speed) | # 5 AC | 75 | 56 |
| Tilt | # 3 AC | 35 | 26 |
| Tusk | # 3 AC | 35 | 26 |
| Kicker | # 2 AC | 20 | 15 |

HYDRAULIC STEERING

Rack and Pinion with Hydraulic Motor

| | US | METRIC |
|-------------|--------|-----------|
| Piston Pump | 30 GPM | 113.6 LPM |



TIRES AND WHEELS

STANDARD

| | |
|-------|-----------------------------------|
| Front | 37.5 x 39 - 52 Ply, L - 3 / E - 3 |
| Rear | 33.25 x 35 - 38 Ply, E - 3 |

OPTIONAL

| | |
|---------------|------------------------------------|
| Front | 37.5 x 39 - 60 Ply, E - 3 |
| Rear | 33.25 x 35 - 50 Ply, E - 4 |
| Rear | 33.25 x 35 - 44 Ply, L - 3 / E - 3 |
| Rear | 33.25 x 35 - 38 Ply, E - 4 |
| Rear (Smooth) | 33.25 x 35 - 44 Ply, L - 4 |

BRAKES

| | |
|-----------------|------------------------------------|
| Operating Brake | Dynamic Regenerative Electric |
| Service Brake | Air Caliper / Disc. |
| Parking | Fail Safe Air Caliper / Disc - STD |
| Hoist | Fail Safe Air Caliper / Disc - STD |

AXLES

| | |
|-------|-------------|
| Front | Rigid |
| Rear | Oscillating |

SERVICE REFILL CAPACITIES

| | US | METRIC |
|--------------------|-------------|--------------|
| Fuel Tank | 268 gallons | 1,014 liters |
| Driver (Front) | 7 gallons | 26.5 liters |
| Driver (Rear) | 7 gallons | 26.5 liters |
| Hydraulic Steering | 25 gallons | 94.5 liters |

ESTIMATED FUEL USAGE

| | US | METRIC |
|---------------------------|-------|--------|
| * Estimated average usage | 9 GPH | 34 LPH |

* Lowest fuel usage of any comparable size machines.

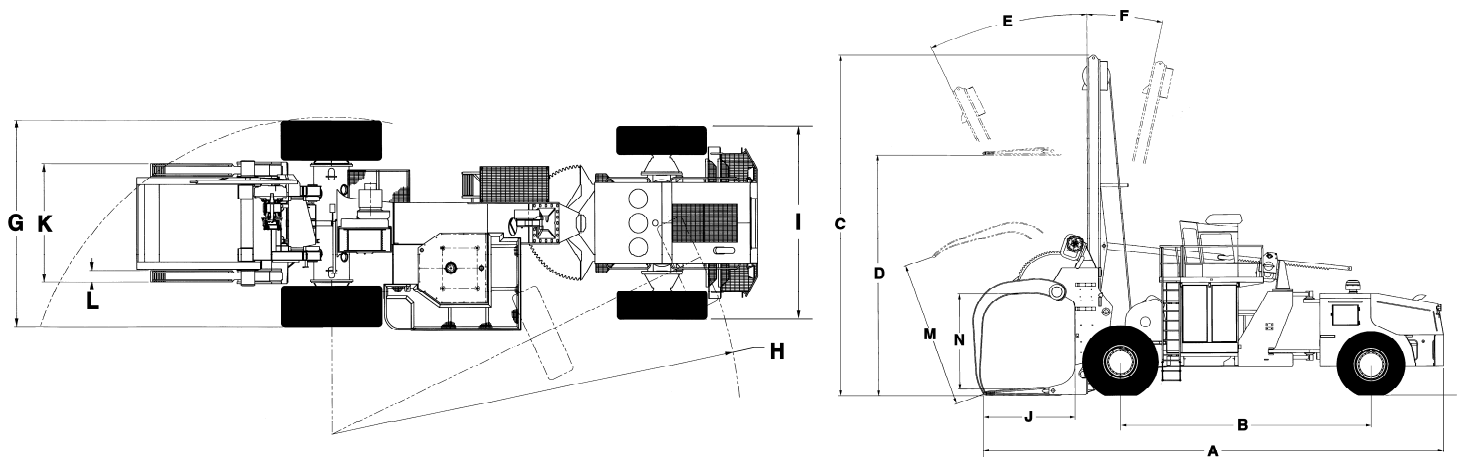
(Less fuel burned results in better air quality by reducing the amount of carbon dioxide emissions, and resulting in a smaller carbon footprint. Also, less fuel burned results in a longer engine life.)



OPERATING CAPACITIES, WEIGHTS AND DIMENSIONS

| | <u>US</u> | <u>METRIC</u> |
|---|-------------|---------------|
| Operating Capacity | 110,000 lbs | 49,894 kgs |
| Operating Weight (approximate) | 175,000 lbs | 79,380 kgs |
| Lift Height | 24' - 0" | 7.32 m |
| Lifting Speed (High Speed) | 35 FPM | 10.67 m / min |
| Lowering Speed (High Speed) | 45 FPM | 13.72 m / min |
| Forward Tilt at Maximum Height | 25° | |
| Rear Tilt at Maximum Height | 12° | |
| Travel Speed (Standard) | 0 - 10 MPH | 0 - 16.1 KPH |
| (Forward and Reverse Infinity Variable) | | |
| Turning Radius @ 65 degrees | 24' - 0" | 7.32 m |
| Outside Rear Tire | 29' - 9" | 9.16 m |
| Outside Front Tire | 24' - 0" | 7.31 m |
| Tusk Opening (Max to Fork Tip) | 16' - 10" | 5.13 m |
| Clearance Under Tusk (Closed) | 11' - 6" | 3.51 m |

STANDARD CONFIGURATION



| | <u>US</u> | <u>METRIC</u> |
|--|--------------|---------------|
| (A) Overall Length (Mast Vertical) | 47' - 8" | 14.53 m |
| (B) Wheelbase | 24' - 0" | 7.32 m |
| (C) Overall Height (Minimum 24' - 0" Lift) | 34' - 7 1/2" | 10.55 m |
| (D) Lift Height | 24' - 0" | 7.32 m |
| (E) Mast Tilt Forward | 25° | |
| (F) Mast Tilt Rear | 12° | |
| (G) Overall Width (Outside Tires) - Front | 17' - 1" | 5.21 m |
| (H) Turning Radius | 29' - 9" | 9.16 m |
| (I) Overall Width (Outside Tires) - Rear | 13' - 8" | 4.15 m |
| (J) Fork Length (Usable) | 10' - 0" | 3.05 m |
| (K) Fork Spacing (Outside to Outside) | 8' - 4" | 2.53 m |
| (L) Fork Width, Standard | 10" | .83 m |
| (M) Tusk Opening (Maximum to Fork Tip) | 16' - 10" | 5.13 m |
| (N) Clearance Under Tusk (Closed) | 11' - 6" | 3.51 m |
| Minimum Ground Clearance (Mast) | 1' - 5" | 0.43 m |



STANDARD EQUIPMENT

OPERATOR'S CAB

Universal Control Center (Joystick Control)
 Standard Control Center (In lieu of Joystick Control)
 Defroster Fans (2)
 Air Horn
 Foot Rest
 Cab Heater (Electric)
 Illuminated Instrument Panels
 Insulated Deluxe Cab
 Radio, AM / FM, CD Player
 Adjustable Air Seat and Suspension / Seat Belt
 Windshield Wipers (Two Speed)
 Air Hose in Cab

GAUGES

Air Cleaner Restriction
 Air Pressure
 Engine Coolant Temperature
 Engine Oil Pressure
 Hour - Meter / Voltmeter (Battery Charge)
 Murphy Engine Gauge
 Hydraulic Tank Level Gauge

INDICATORS AND ALARMS

Amber Indicators:

- Check Engine - Detroit Diesel and Cummins
- Dynamic Braking
- Service Brake

 Audible Alarm:

- Blower Motor Failure
- Converter System Failure
- Engine Warning (Low Oil Pressure, Hi-Coolant Temp)
- System Air Pressure (Low)

 Red Indicators:

- Blower Motor Failure
- Converter System Failure
- Engine Warning (Low Oil Pressure, Hi-Coolant Temp)
- Low Fuel Warning
- Stop Engine - Detroit Diesel Only

ELECTRICAL

400 KW AC Generator (2 - wheel, Air cooled)
 700 KW AC Generator (4 - wheel, Air cooled)
 AC Work Lights (5 - 500W)
 Armature Converters (Parallel)
 Back Up Alarm
 Back Up Lights
 Contactor (AC), IEC (Tusk, Kicker, Steer, Tilt, Hoist)
 DC Motors, 200 HP-Front / 100 HP-Rear (Air Cooled)
 Diagnostic Test Meter
 Dual Field Converters (4 - wheel)
 Tusk Motor Overload Cutout

LeTourneau Technologies, America, Inc. has made every effort to make these specifications as accurate as possible. However, we reserve the right to make changes and improvements in equipment, materials, and specifications at any time without notice. To insure most current information, please contact your LeTourneau representative.



STANDARD EQUIPMENT (CONTINUED)

ELECTRICAL (CONTINUED)

Two Speed Hoist with Air Disc Brake
 Steering Assist (Electronic)

ENGINE ACCESSORIES

24 Volt Electrical System
 Two - Stage Dry Air Cleaner
 Engine Fuel Filter (Spin - On)
 Engine Oil Filter (Spin - On)
 Fan Clutch

STRUCTURAL

24' - 0" Lift Height Rail
 Powered Tilt Engine Hood
 Service Platform (Cab, Hoist, Tilt and Control Box)
 Tusk (Curved)
 Tilt Rack Grease Gutter

OPTIONAL EQUIPMENT

OPERATOR'S CAB

Red Dot Air Conditioner (Roof Mounted)
 Fire Extinguisher
 Sun Visors (Front and Rear)
 Windshield Wipers (Intermittent)
 Tilt Operator's Console (Standard Control Center)
 Cab Heater (Water)

ELECTRICAL

Additional AC Light (500W)
 Beacon (Amber, Blue, or Red)
 Electrical Outlet, Cab (120VAC)
 Emergency Stop (Two Actuators)
 Heaters (Battery)
 Overload Cutout (Hoist, Kicker)
 Strip Heaters (Cabinet, Axles)
 Turn Signals
 Electric Hoist Brakes

ENGINE ACCESSORIES

Heaters (Oil and Water) 110 VAC or 230 VAC

STRUCTURAL

Positive Arm Kickers
 Service Platform and Ladder (Tusk)
 Tusk (Straight)

GENERAL

Ansul 4 Nozzle Fire Suppression System
 Auto Lube System (Frame Only)
 Auto Lube System (Full Machine)

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 1-530-365-0175

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