

# LOG STACKER SPECIFICATIONS



# 5592 5594

## 5592 & 5594 LOG STACKER

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)



**LeTourneau**  
TECHNOLOGIES™

**FORESTRY  
PRODUCTS**

Log Stackers Built On Experience. Driven By Vision

Note: Optional equipment may be shown in photo.

LeTourneau Technologies 5592 / 5594 Log Stacker Specifications, 9/08



## POWER ENGINES

### DIESEL POWER OPTIONS

#### 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

### STANDARD

#### 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

### OPTIONAL

#### 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

## 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.

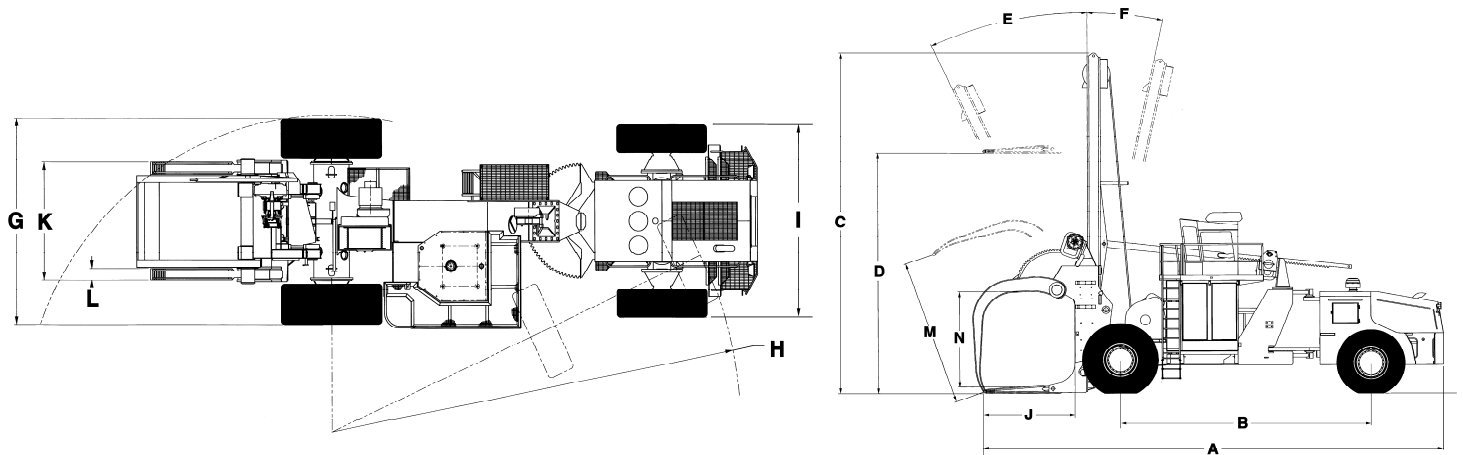
(Less fuel burned results in better air quality by reducing the amount of carbon dioxide emissions, and resulting in a smaller carbon footprint. Also, less fuel burned results in a longer engine life.)



## OPERATING CAPACITIES, WEIGHTS AND DIMENSIONS

	US	METRIC
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 degrees	
Rear Tilt at Maximum Height	12 degrees	
Travel Speed (Standard) (Forward and Reverse Infinity Variable)	0 - 10 MPH	0 - 16.1 KPH
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



	US	METRIC
(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 degrees	
(F) Mast Tilt Rear	12 degrees	
(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



## ADDITIONAL STANDARD EQUIPMENT

### OPERATOR'S CAB

Universal Control Center (Joystick Control)  
 Standard Control Center  
 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



## ADDITIONAL 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  
 Grooved Cable Drum  
 Service Platform (Cab, Hoist, Tilt and Control Box)  
 Tusk (Curved)  
 Tilt Rack Grease Gutter

## ADDITIONAL 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, or Full Machine)

LeTourneau Technologies, America, 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 in equipment, materials, and specifications at any time without notice. To insure the most current information, please contact your LeTourneau distributor representative.



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