

LOG STACKER SPECIFICATIONS



5592
5594

5592 & 5594 LOG STACKER

110,000 lbs (49,896 kgs)
Standard Operating Capacity



LeTourneau, Inc.

Note: Optional equipment shown in photo.



POWER ENGINES

DIESEL POWER OPTIONS

CUMMINS DIESEL ENGINE

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

DETROIT DIESEL ENGINE

Model	Series 60
Rated Brake HP	400-475 BHP
(SAE) @ 2100 RPM	(298-354 kW)



POWER TRAIN

STANDARD

5592 2-WHEEL DRIVE

4B AC Generator, 400 kW
 N-11 DC Traction Motors, 200 HP (Front)
 L4T Drivers, Ratio 92.4:1 (Front)
 LeTourneau Solid State AC-DC Phase Controls

5594 4-WHEEL DRIVE

7B AC Generator, 800 kW
 N11 DC Traction Motors, 200 HP (Front)
 C-10 DC Traction Motors, 100 HP (Rear)
 L4T Drivers, Ratio 92.4:1
 N3 Drivers, Ratio 76:1 (Rear)
 LeTourneau Solid State AC-DC Phase Controls

OPTIONAL

5594 4-WHEEL DRIVE

7B AC Generator, 800 kW
 N-11 DC Traction Motors, 200 HP (Front)
 C-10 DC Traction Motors, 100 HP (Rear)
 L4T Drivers, Ratio 110.4:1 (Front)
 N3 Drivers, Ratio 76:1
 LeTourneau Solid State AC-DC Phase Controls



AC POWER SYSTEM

Power System	AC Motor	HP	(kW)
Hoist	#5 AC	100	(75)
Tilt	#3 AC	35	(26)
Tusk	#3 AC	30	(15)
Kicker	#2 AC	20	(15)



24 VOLT DC ELECTRIC SYSTEM

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



STEERING HYDRAULIC

Piston Pump	30 GPM (113 l/min)
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TIRES AND WHEELS

Front	37.5 x 39 - 52 Ply, E-3
Rear	33.25 x 35 - 36 Ply, E-3



BRAKES

Service	Regenerative Electric (Retarding) and Air Caliper/Disc
Parking	Fail Safe Air Caliper/Disc - STD



AXLES

Front	Rigid
Rear	Oscillating



SERVICE REFILL CAPACITIES

Fuel Tank	268 gallons	(1,014 liters)
Driver (Front)	12 gallons	(46.4 liters)
Driver (Rear)	6 gallons	(22.7 liters)

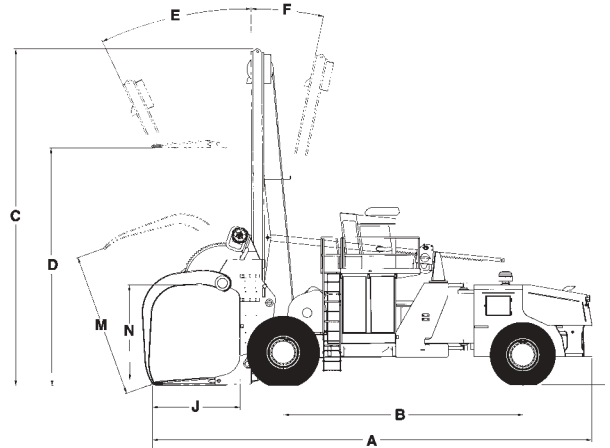
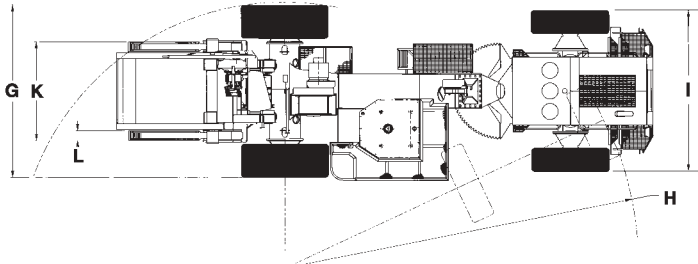


OPERATING CAPACITIES, WEIGHTS AND DIMENSIONS

	US	METRIC
Operating Capacity	110,000 lbs	49,896 kgs
Operating Weight	175,000 lbs	79,380 kgs
Lift Height	20' (24' - Optional)	6.10 m (7.32 m - Optional)
Lifting Speed - H.S./L.S.	34/16 FPM	10.4/4.8 m/min
Lowering Speed	23 FPM	7.0 m/min
Forward Tilt at Maximum Height	25°	
Travel Speed	0-10 MPH (Standard)	0-16.1 km/H (Standard)
(Forward and Reverse Infinitely Variable)		
Turning Radius @ 65°		
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 20'-0" Lift)	30'- 0"	9.14 m
(D) Lift Height	20'- 0"	6.10 m
Optional	24'- 0"	7.32 m
(E) Mast Tilt Forward	25°	
(F) Mast Tilt Rear	12°	
(G) Overall Width (Outside Tires) – Front	17'- 6"	5.33 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 STD.	10"	.25 m
(M) Tusk Opening (Max. to Fork Tip)	15'- 11"	4.85 m
(N) Clearance Under Tusks (Closed)	11'- 0"	3.35 m
Minimum Ground Clearance (Mast)	1'- 5"	.43 m



ADDITIONAL STANDARD EQUIPMENT

OPERATOR'S CAB

Adjustable Seat (Mechanical)
 Defroster Fans (2)
 Air Horn
 Foot Rest
 Heater (Water)
 Illuminated Instrument Panels
 Insulated Cab
 Seat Belt
 Windshield Wipers (Two-Speed)

GAUGES

Air Cleaner Restriction
 Air Pressure
 Engine Coolant Temperature
 Engine Oil Pressure
 Hour-Meter
 Speedometer
 Voltmeter (Battery Charge)

INDICATORS AND ALARMS

Amber Indicators:

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

Audible Alarm:

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

Red indicators

- Blower Motor Failure
- Convertor 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)
 800 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 (Air Cooled)
 Diagnostic Test Meter
 Dual Field Convertors
 Hoist Motor Blower
 Hoist Motor Brake
 Steering Assist (Electronic)

ENGINE ACCESSORIES

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

STRUCTURAL

20-Foot Rail
 Grooved Cable Drum
 Log Boilers
 Service Platform (Hoist And Tilt)
 Tusks (Straight)



ADDITIONAL OPTIONAL EQUIPMENT

OPERATOR'S CAB

Adjustable Seat and Suspension (Air)
 Air Conditioner (Roof Mounted)
 Air Hose in Cab
 Cab Heater (Electric)
 Fire Extinguisher
 Radio, AM/FM Cassette
 Seat Belt (Retractable)
 Sun Visors (Front and Rear)
 Tilt Operator's Console
 Windshield Washer/Wiper (Intermittent)

INDICATORS AND ALARMS

Amber Indicators
 Audible Alarms
 Red Indicators

ELECTRICAL

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

ENGINE ACCESSORIES

Ether Start (Electric)
 Heaters (Oil and Water) 110 VAC or 230 VAC
 Tachometer
 Throttle Cut-Back

STRUCTURAL

24-Foot Rail
 Log Guards (Right-Hand Side)
 Positive Arm Kickers
 Service Ladders (Tusk And Tilt)
 Service Platform (Cab)
 Service Platform (Control Box)
 Storage Box
 Tilt Rack Grease Gutter
 Tusks (Curved)

GENERAL

Log Hold-Downs
 Special Tools
 Front Tires, Dual 24.00 X 49 - 48 PLY



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