

Machine Specifications - L4100F



Capacity

Tipping Capacity 110,000 lbs @ 48" LC
 Rated Capacity 90,000 lbs @ 48" LC

Engine

Make and Model Cummins QSX15
 Max Horsepower 535 HP

Air Cleaner

Donaldson Two Stage Dry Type

Torque Converter

Flex Drive Converter with Pump Drives

Transmission

4 Speed FWD/REV Powershift Transmission

Range	(Speed, Unladen)
1	4.4 mph (7.1 km/h)
2	7.6 mph (12.2 km/h)
3	12.7 mph (20.4 km/h)
4	22.4 mph (36.0 km/h)

Axles

Front Axle, Planetary Final Reduction, with Posi-Torque Differential and Wet Brakes

Rear Axle, Planetary Final Reduction, with Standard Differential and No Brakes

Tires

Front Dual Drive (4) 24.00 x 35
 Rear (2) 29.50 x 25

Electrical System

Type 24 Volt Negative Ground/24 Volt Start
 Alternator 100 AMP
 Circuit Breakers (lights) 30 AMP
 Circuit Breakers (accessory) 20 AMP
 Batteries (2) 12 Volt-8D @ 205 AMP Hr. each

Hydraulic System

"Power Beyond" hydraulics with total capacity of all pumps in the system for multiple use simultaneously. Hydraulic pilot implement controls.

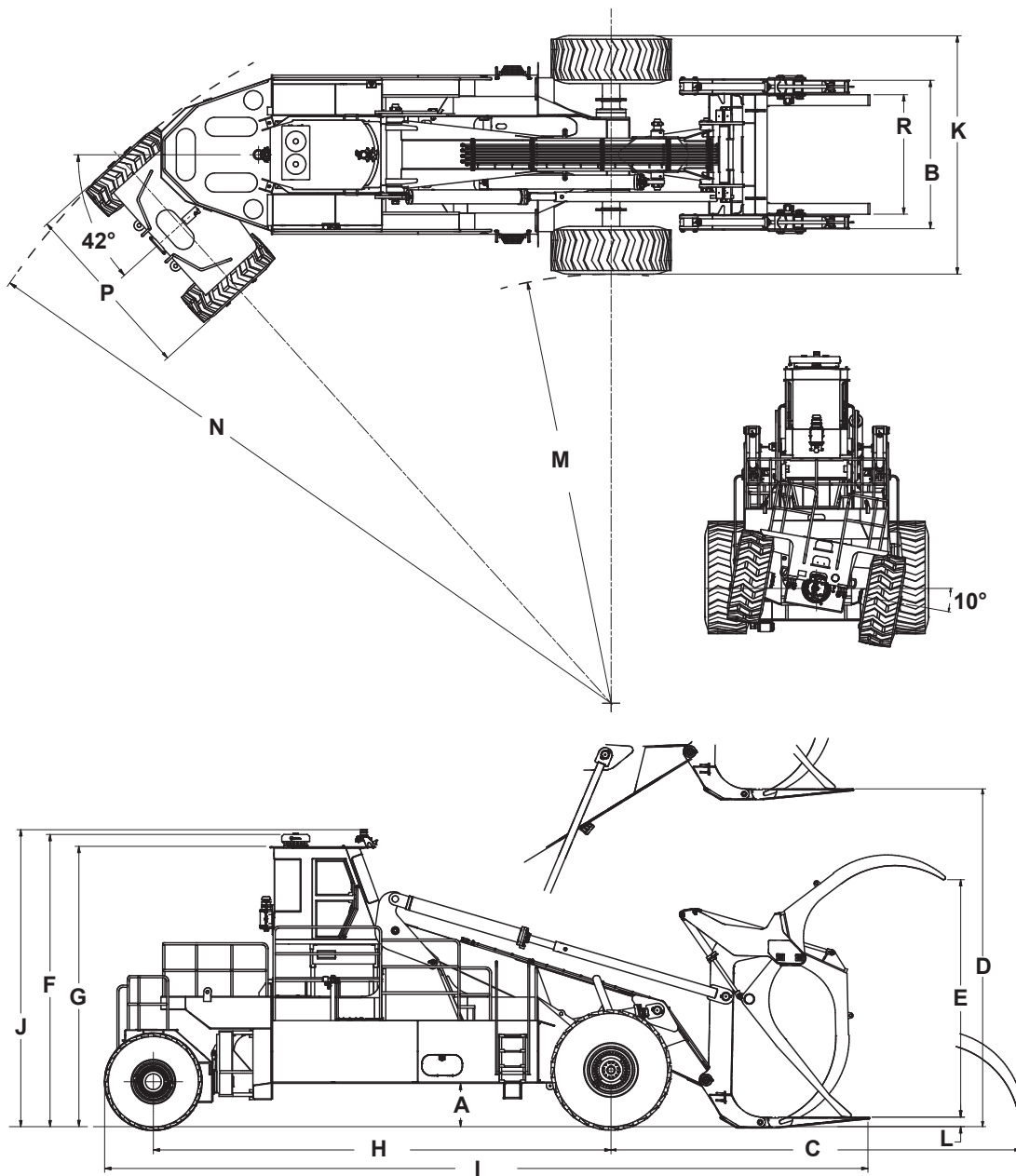
Steering Cylinder (2).....	5" x 32" (127 mm x 812.8 mm)
Hoist Cylinder (2).....	10" x 116" (254 mm x 2946.4 mm)
Tilt Cylinder (2)	10" x 61" (254 mm x 1549.4 mm)
Holddown Cylinder (2)	5" x 46" (127 mm x 1168.4 mm)
Aux Holddown Cylinder (2).....	5" x 29" (127 mm x 736.6 mm)
Kickoff Cylinder (2)	5" x 29" (127 mm x 736.6 mm)

Service Refill Capacities

Fuel Tank 425 Gal (1,609 liters)*
 Hydraulic Oil 350 Gal (1,325 liters)*
 Engine w/Filter..... 11 Gal (42 liters)*
 Cooling System 24 Gal (91 liters)*

*Approximate

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Dimensions*

A. Ground Clearance	2' 10" (869 mm)	I. Length	50' 2" (15,291 mm)
B. Carriage Width	9' 9" (2,975 mm)	J. Cab Height (highest point)	19' 6" (5,952 mm)
C. Distance from Axle to HD Tip for Reach	26' 10" (8,191 mm)	K. Width	15' 8" (4,776 mm)
D. Lift Height	24' 0" (7,315 mm)	L. Ground to Front Tip of Tine	8" (193 mm)
E. Mouth Opening	15' 7" (4,759 mm)	M. Inside Turning Radius	28' 2" (8,598 mm)
F. Cab Height w/AC	19' 3" (5,857 mm)	N. Swing Radius	48' 3" (14,700 mm)
G. Cab Height	18' 5" (5,608 mm)	P. Width Outside of Bogie Tires	11' 10" (3,609 mm)
H. Wheelbase	30' 1" (9,169 mm)	R. Width Across Tines	7' 10" (2,394 mm)

Weights*

Unit Weight (Empty) 163,000 lbs (73,934 kg)
 Unit Weight (Loaded)..... 253,000 lbs (114,759 kg)

*Approximate