

Machine Specifications - L90F



Engine

Make and Model Cummins QSX-15
 Max Horsepower 390 @ 2100 RPM
 Max Torque 1800 Ft/Lbs @ 1400 RPM
 Bore and Stroke 5.4" x 6.6"
 No. of Cylinders 6
 Displacement 915 Cu/In (15.0 liters)

Air Cleaner

Donaldson Two Stage Dry Type

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

Torque Converter

Dana 8000 Series Single Stage, 3 Elements

Transmission

Dana 6000 Series Power Shift - Spur Gear; 4 Speeds Fwd/Rev

Range	Ratio	Speed (Unladen)
1.....	4.09:1	4.4 mph (7.1 km/h)
2.....	2.27:1	7.6 mph (12.2 km/h)
3.....	1.29:1	12.7 mph (20.4 km/h)
4.....	0.72:1	Blocked

Axles

Fabricated Housing Allied Wagner
 Make Dana
 Model (Chassis) 25D Series
 Type Planetary
 Brakes Hydraulic Wet Disc

Tires

Size (Front) Dual 24 x 35
 Size (Rear) 23.5 x 25

Hydraulic System

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

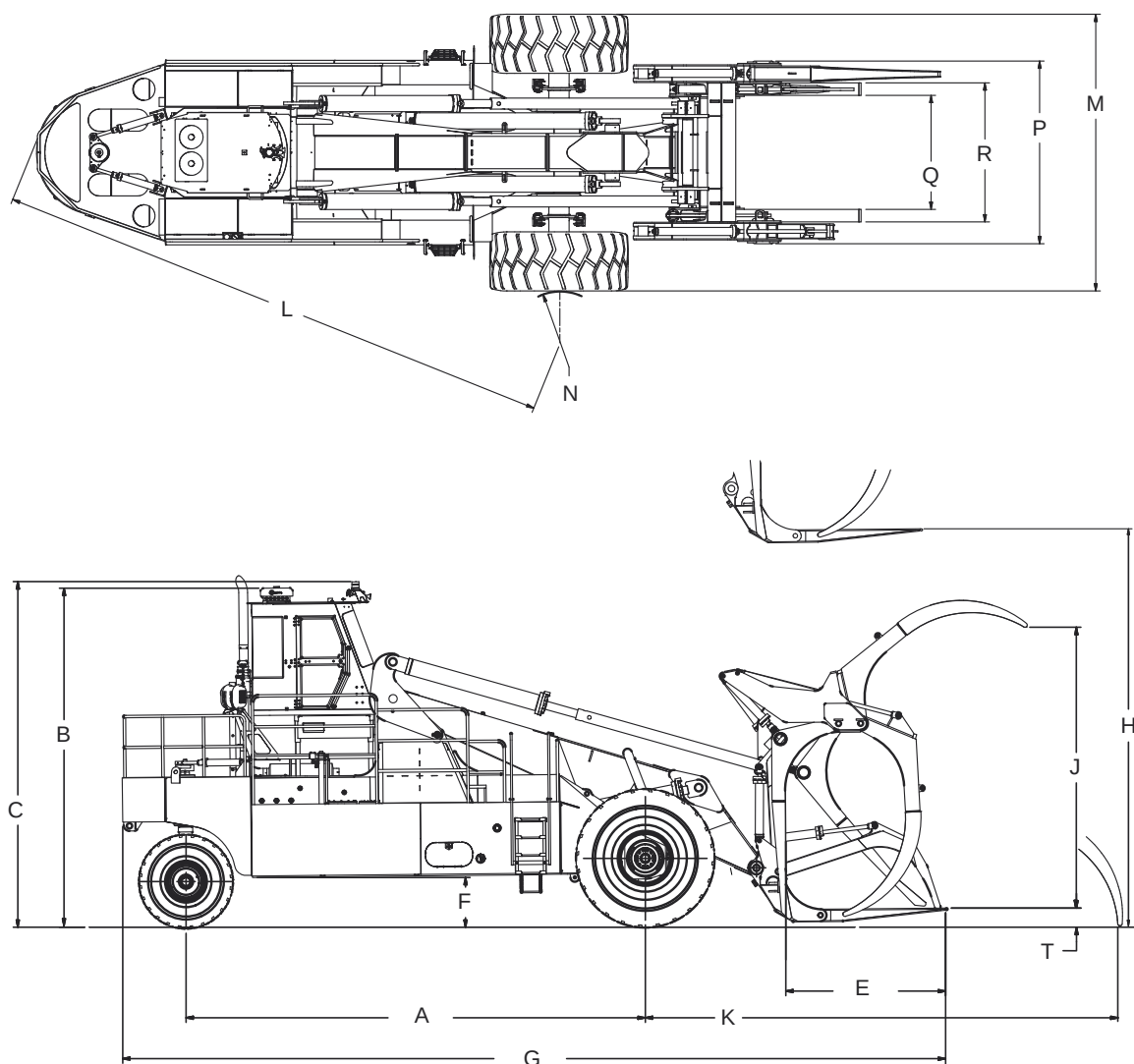
Steering Cylinder (2) 4" x 20" (102 mm x 508 mm)
 Hoist Cylinder (2) 10" x 107.5" (254 mm x 2730.5 mm)
 Tilt Cylinder (2) 10" x 61" (254 mm x 1549.4 mm)
 Holddown Cylinder (2) 5" x 46" (127 mm x 1168.4 mm)
 Kickoff Cylinder (2) 5" x 29" (127 mm x 736.6 mm)

Service Refill Capacities

Fuel Tank 450 Gals (1703 liters)
 Hydraulic Oil 550 Gals (2082 liters)
 Crankcase w/Filter 12 Gals (45 liters)
 Cooling System 22.5 Gals (85 liters)

Specifications are subject to change without notice or obligation.

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Dimensions (approximate)

A. Wheelbase	26' 0" (7,925 mm)	K. Distance from front Axle to Holddown	
B. Ground to Top of A/C	19' 2" (5,842 mm)	Tip for Reach	26' 9" (8,153 mm)
C. Ground Top of Strobe Light	19' 7" (5,944 mm)	L. Turning Radius Tail Swing	36' 6" (11,125 mm)
E. Tine Length	9' 0" (2,743 mm)	M. Width Outside Chassis Tires (Singles)	14' 10" (4,267 mm)
F. Ground Clearance Chassis	2' 10" (863 mm)	Width Outside Chassis Tires (Dual).....	16' 8" (5,120 mm)
G. Overall Length	46' 7" (14,199 mm)	N. Inside Turning Radius	12' 6" (3,810 mm)
H. Ground to Fork-Hoist Up	22' 7" (6,883 mm)	P. Carriage Width	9' 10" (2,997 mm)
J. Mouth Opening	15' 11" (4,851 mm)	Q. Width Inside of Tines	6' 6" (1,981 mm)
		R. Width Outside of Tines	7' 11" (2,413 mm)
		T. Ground to Front Tip of Tine	1' 1" (332 mm)

Weights and Functions (approximate)

Unit Weight	150,000 lbs (68,039 kg)	Deck Stacking Height	17' 8" (5,379mm)
Drive End	94,700 lbs (42,955 kg)	Forward Tilt @ Max Height	10°
Tail End	52,000 lbs (23,586 kg)	Backward Tilt @ Max Height	52°
Rated Lift Capacity 48"LC	80,000 lbs (36,287 kg)		