

Machine Specifications



Engine

Make and ModelCaterpillar C15
 Max Horsepower540
 Max Torque1819 Ft/Lbs @ 1400 RPM
 Bore and Stroke5.4" x 6.75"
 No. of Cylinders6
 Displacement928 Cu/in (15.2 liters)

Air Cleaner

Donaldson Two Stage Dry Type

Electrical System

Type24 Volt Negative Ground/24 Volt Start
 Alternator100 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 - Stall Torque Ratio
 2.292:1

Transmission

Dana 8000 Series Power Shift - Spur Gear; 4 Speeds Fwd/Rev with
 1:1.118 Converter Ratio

Range	Ratio	Speed (Unladen)
1.....	4.07:1	3.3 mph (5.3 km/h)
2.....	2.27:1	6.0 mph (9.7 km/h)
3.....	1.29:1	10.3 mph (16.6 km/h)
4.....	0.71:1	18.0 mph (29.0 km/h)

Axes

ChassisNo Spin w/Brakes
 BogiePosi-Torque w/o Brakes
 TypePlanetary
 BrakesHydraulic Wet Disc

Tires

Size29.50 x 29 Radial
 Hydroflation: Weight Each Tire2386 lbs
 All Tires Are Hydroflated

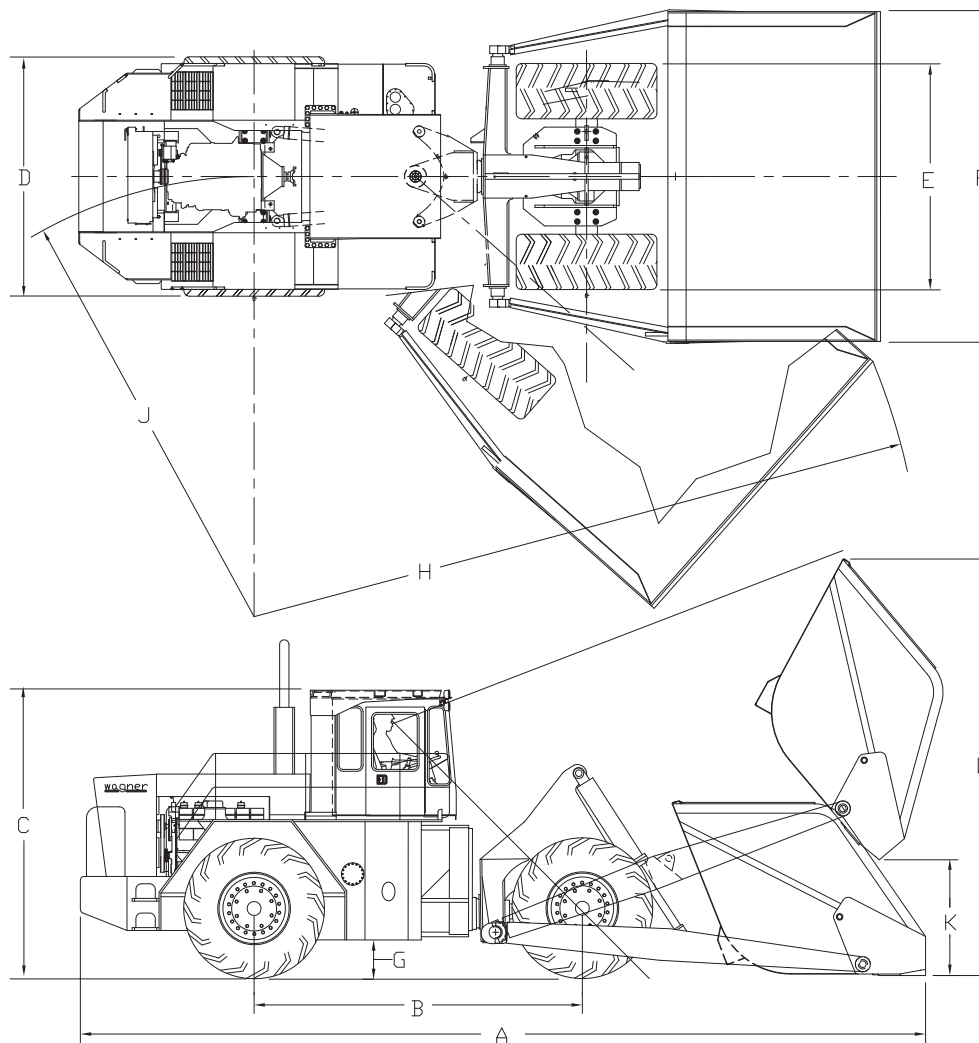
Hydraulic System

Steering/Dump70 GPM @ 2100 Engine RPM
 Hoist60 GPM @ 2100 Engine RPM
 Side Tilt10 GPM @ 2100 Engine RPM
 Steering Cylinder (2)5" x 35" (127mm x 889mm)
 Dump Cylinder (2)5" x 36" (127mm x 914mm)
 Hoist Cylinder (2)8" x 41" (203mm x 1041mm)
 Side-Tilt Cylinder (Optional) (1)6" x 5" (152mm x 127mm)

Service Refill Capacities

Fuel Tank295 Gals (1117 liters)
 Hydraulic Oil230 Gals (870 liters)
 Crankcase (Refill)12 Gals (45 liters)
 Cooling System40 Gals (151 liters)

Machine Specifications



Dimensions (approximate)

A. Overall Length	37' 11" (11557mm)
B. Wheelbase	14' 9" (4495mm)
C. Height to Top of ROPS (roll over protection cover)	13' 2" (4013mm)
D. Outside Chassis Width (Tires)	10' 8" (3251mm)
E. Outside Bogie Width (Tires)	11' 3" (3429mm)
F. Bucket Width 80 cu/yd.....	15' (4572mm)
G. Ground Clearance	1' 7" (482mm)

H. Turning Radius - Outside Bucket, 80 cu/yd....	30' 6" (9296mm)
J. Turning Radius - Inside	15' 1" (4597mm)
K. Maximum Dump Height.....	5' 5" (1656 mm)
L. Maximum Height in Dump Position	18' 3" (5581mm)

Weights and Functions (approximate)

Unit Weight/Hydroflation.....	95,850 lbs	(43,476 kg)
Bogie End/Hydroflation.....	51,600 lbs	(23,405 kg)
Chassis End/Hydroflation	44,250 lbs	(20,071 kg)
Dump Angle at Maximum Height.....	54°	
Bucket Push & Carry Capacity	80 cu/yd	(61 cu/m)

Bucket Lift & Carry Capacity 80 cu/yd	40 cu/yd(30.6 cu/m)
Articulation.....	40° each way
Oscillation.....	15° each way
Maximum Bucket Forward Tip.....	77°
Side Tilt.....	5° each way from horizontal

OPTIONAL EQUIPMENT

Bucket with 100 cu/yd. Lift & Carry Capacity.

Contact your Wagner dealer for more information on standard and special options.