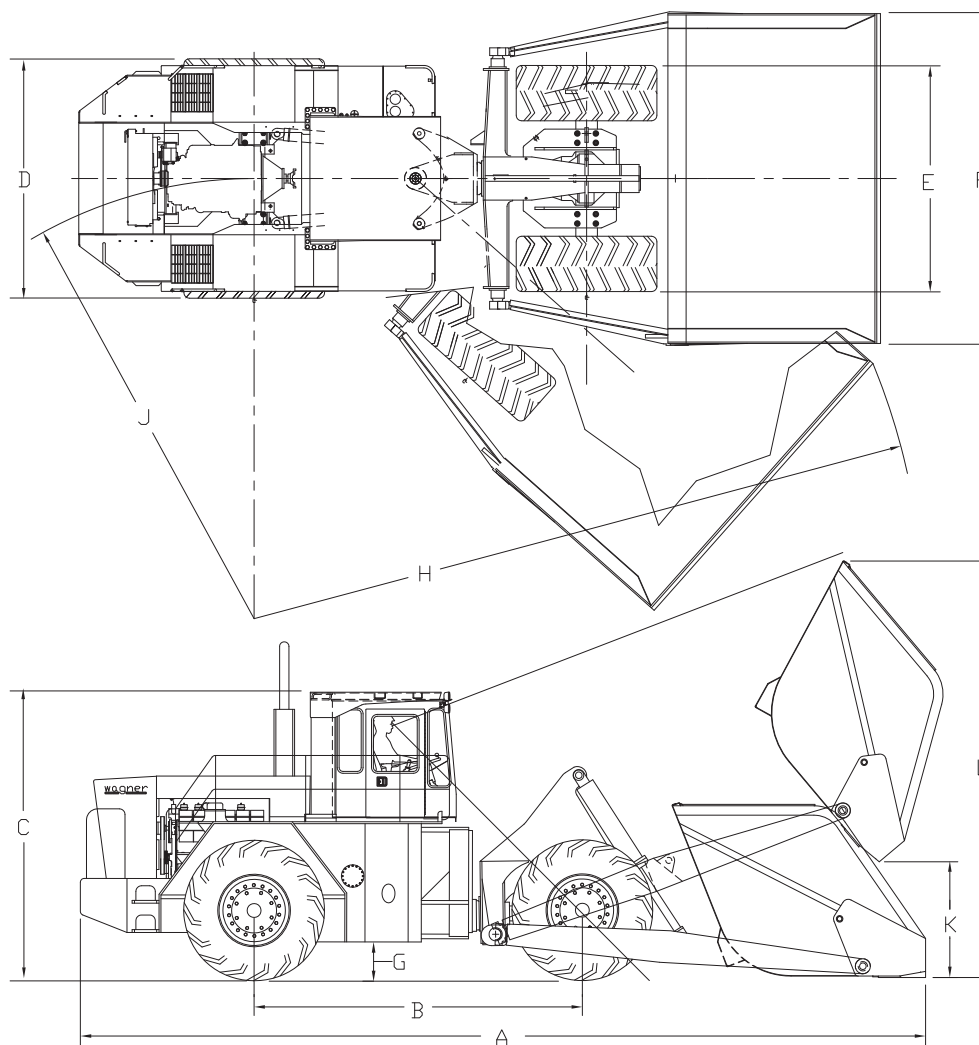


Machine Specifications - CHD100-297



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)
F. Bucket Width 100 cu/yd	16' 11" (5160mm)
G. Ground Clearance	1' 7" (482mm)

H. Turning Radius - Outside Bucket, 80 cu/yd	30' 6" (9296mm)
H. Turning Radius - Outside Bucket, 100 cu/yd	31' 11" (9728mm)
J. Turning Radius - Inside, 80 and 100 cu/yd	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 Push & Carry Capacity	100 cu/yd (76.5 cu/m)

Bucket Lift & Carry Capacity 80 cu/yd	40 cu/yd (30.6 cu/m)
Bucket Lift & Carry Capacity 100 cu/yd	50 cu/yd (38.2 cu/m)
Articulation	40° each way
Oscillation	15° each way
Maximum Bucket Forward Tip	77°
Side Tilt	5° each way from horizontal

OPTIONAL EQUIPMENT

Standard and special options are available. Contact your Wagner dealer for details.

Machine Specifications - CHD100-297



Engine

Make and ModelCummins QSX-15
 Max Horsepower535 @ 2100 RPM
 Max Torque1800 Ft/Lbs @ 1400 RPM
 Bore and Stroke5.4" x 6.7"
 No. of Cylinders6
 Displacement915 Cu/In (15 liters)
 Option:Caterpillar 540hp C-15 Electronic

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)

Axles

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 Oil160 Gals (606 liters)
 Crankcase (Refill)12 Gals (45 liters)
 Cooling System40 Gals (151 liters)