



Engine

Make and Model.....Cummins QSX-15
Max Horsepower.....535 @ 2100 RPM
Max Torque.....1800 Ft/Lbs @ 1400 RPM
Bore and Stroke.....5.4" x 6.7"
No. of Cylinders.....6
Displacement.....915 Cu/In (15 liters)
Option:.....Caterpillar 540hp C-15 Electronic

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 - 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

Chassis.....No Spin w/Brakes
Bogie.....Posi-Torque w/o Brakes
Type.....Planetary
Brakes.....Hydraulic Wet Disc

Tires

Size.....29.50 x 29 Radial
Hydroflation: Weight Each Tire.....2386 lbs
All Tires Are Hydroflated

Hydraulic System

Steering/Dump.....70 GPM @ 2100 Engine RPM
Hoist.....60 GPM @ 2100 Engine RPM
Side Tilt.....10 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)

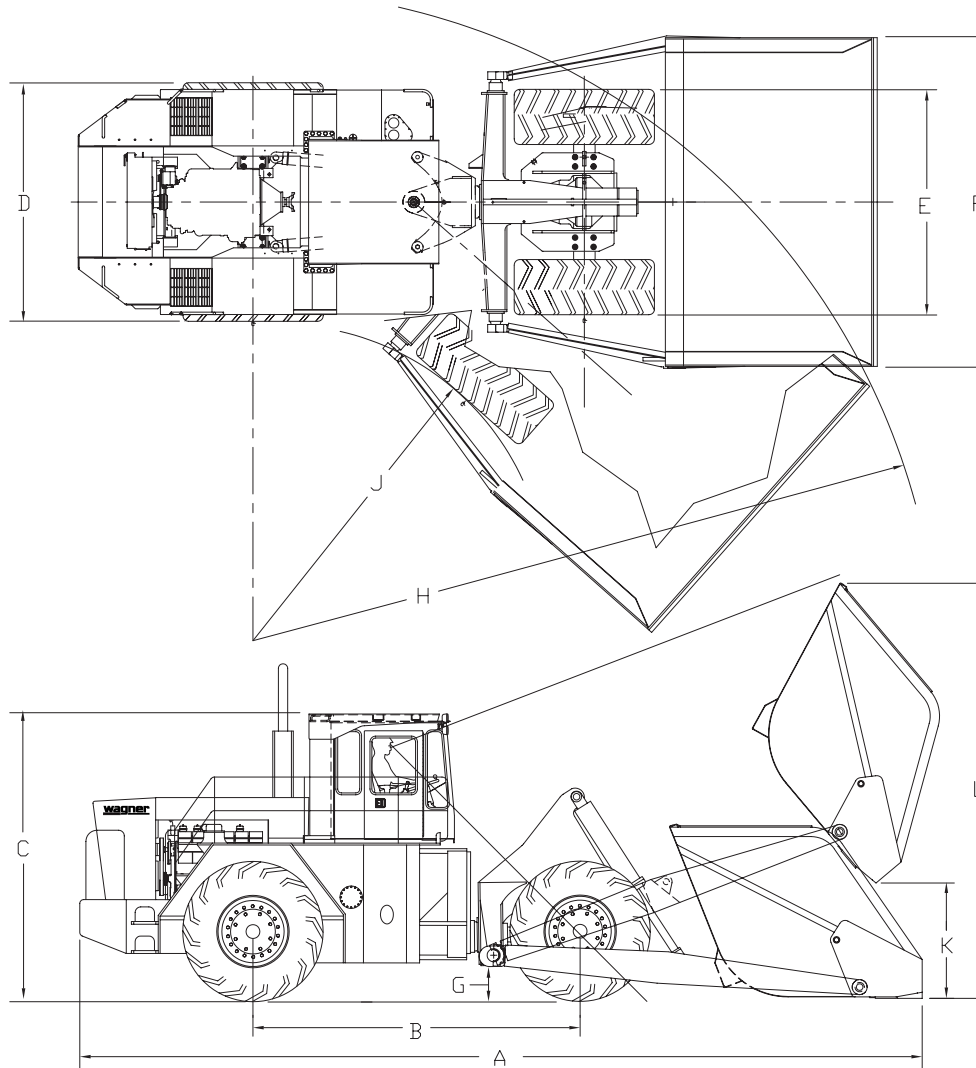
Service Refill Capacities

Fuel Tank.....295 Gals (1117 liters)
Hydraulic Oil.....160 Gals (606 liters)
Crankcase (Refill).....12 Gals (45 liters)
Cooling System.....40 Gals (151 liters)

Purpose-Built Carrydozers



CHD100



Dimensions (approximate)

A. Overall Length	37' 11" (11557mm)	H. Turning Radius - Outside Bucket, 80 cu/yd	30' 6" (9296mm)
B. Wheelbase	14' 9" (4495mm)	H. Turning Radius - Outside Bucket, 100 cu/yd	31' 11" (9728mm)
C. Height to Top of ROPS (roll over protection cover)	13' 2" (4013mm)	J. Turning Radius - Inside, 80 and 100 cu/yd..	15' 1" (4597mm)
D. Outside Chassis Width (Tires).....	10' 8" (3251mm)	K. Maximum Dump Height.....	5' 5" (1656 mm)
E. Outside Bogie Width (Tires)	11' 3" (3429mm)	L. Maximum Height in Dump Position	18' 3" (5581mm)
F. Bucket Width 80 cu/yd.....	15' (4572mm)		
F. Bucket Width 100 cu/yd.....	16' 11" (5160mm)		
G. Ground Clearance	1' 7" (482mm)		

Weights and Functions (approximate)

Unit Weight/Hydroflation	95,850 lbs (43,476 kg)	Bucket Lift & Carry Capacity 80 cu/yd	40 cu/yd(30.6 cu/m)
Bogie End/Hydroflation.....	51,600 lbs (23,405 kg)	Bucket Lift & Carry Capacity 100 cu/yd.....	50 cu/yd(38.2 cu/m)
Chassis End/Hydroflation	44,250 lbs (20,071 kg)	Articulation.....	40° each way
Dump Angle at Maximum Height.....	54°	Oscillation.....	15° each way
Bucket Push & Carry Capacity	80 cu/yd (61 cu/m)	Maximum Bucket Forward Tip	77°
Bucket Push & Carry Capacity.....	100 cu/yd (76.5 cu/m)	Side Tilt.....	5° each way from horizontal

OPTIONAL EQUIPMENT

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

Wagner

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