



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)
 Options: Caterpillar 540hp C-15 Electronic
 * Scania DC16 550hp

* Does Not Require Diesel Particulate Filter

Air Cleaner

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

Engine Mounted With Pump Drives

Hydraulic System

Load Sense
 Side-Tilt Cylinder (Optional)

Transmission

Selectable, Automatic Power Shift; 4 Speeds FWD/REV

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 Double Planetary Reduction
 Brakes Hydraulic Wet Disc

Tires

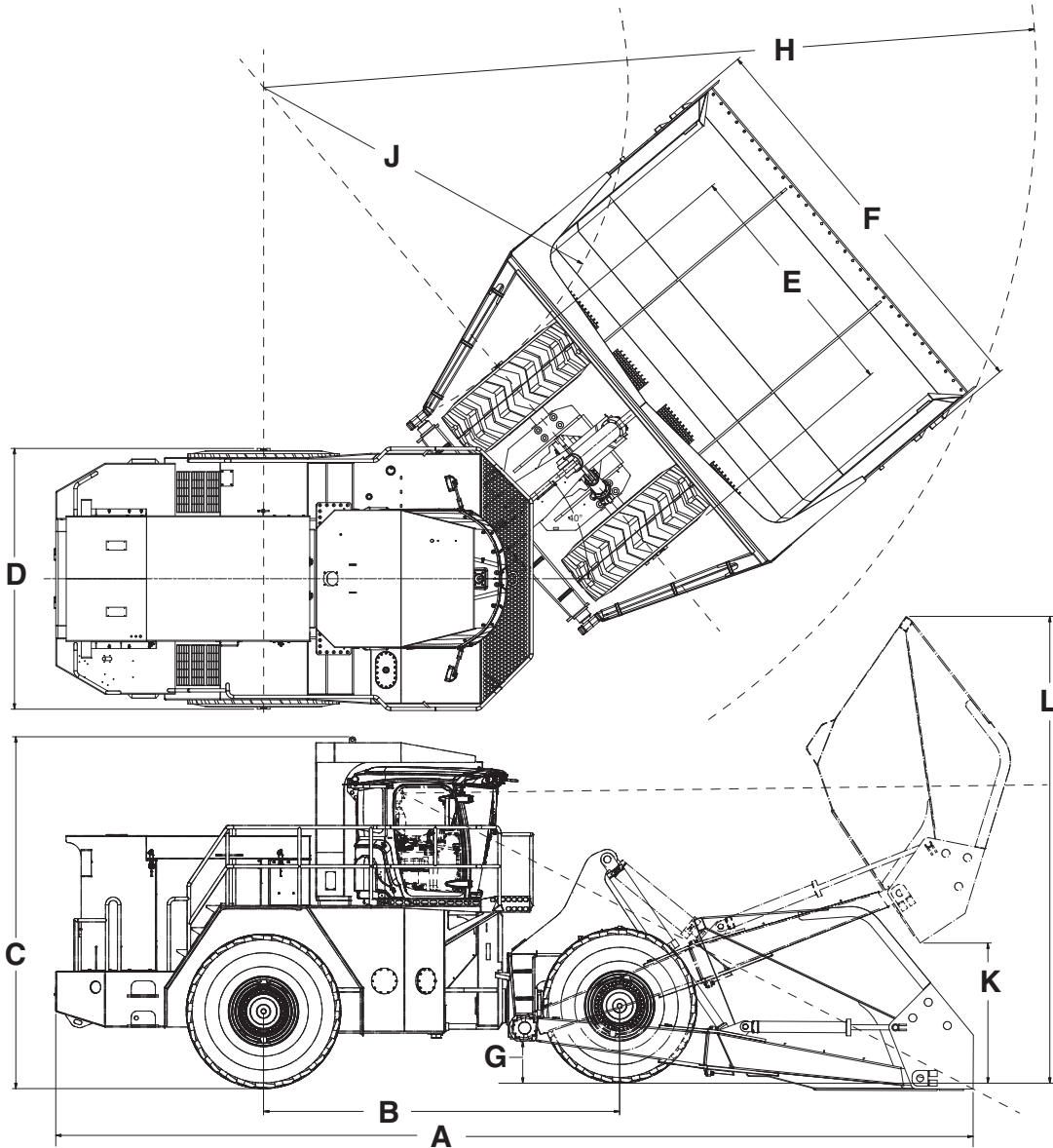
Size 29.5R29 Radials
 Hydroflotation: Weight Each Tire 2386 lbs
 All Tires Are Hydroflated

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	38' 2"	(11630mm)
B. Wheelbase	14' 9"	(4505mm)
C. Height to Top of ROPS (roll over protection cover)	14' 4"	(4362mm)
D. Outside Chassis Width (Tires).....	10' 10"	(3298mm)
E. Outside Bogie Width (Tires)	10' 4"	(3159mm)
F. Bucket Width 80 cu/yd.....	15'	(4572mm)
F. Bucket Width 100 cu/yd.....	16' 11"	(5160mm)
G. Ground Clearance	1' 8"	(514mm)

H. Turning Radius - Outside Bucket, 80 cu/yd....	30' 6"	(9296mm)
H. Turning Radius - Outside Bucket, 100 cu/yd..	32' 1"	(9779mm)
J. Turning Radius - Inside, 80 and 100 cu/yd..	15' 2"	(4613mm)
K. Maximum Dump Height.....	5' 10"	(1788mm)
L. Maximum Height in Dump Position	19' 4"	(5886mm)

Weights and Functions (approximate)

Unit Weight/Hydroflation	97,600 lbs	(44,271 kg)
Bogie End/Hydroflation	55,450 lbs	(25,152 kg)
Chassis End/Hydroflation	42,150 lbs	(19,119 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.....	6°	each way from horizontal

OPTIONAL EQUIPMENT

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

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