

## Machine Specifications - CHD100 w/80 Yard Bucket



### Engine

Make and Model ..... Scania DC16\*  
 Max Horsepower ..... 550 @ 2100 RPM  
 Max Torque ..... 2171 Ft/Lbs @ 1200 RPM

\* 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

### 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 ..... Limited Slip w/o Brakes  
 Type ..... Double Planetary Reduction  
 Brakes ..... Hydraulic Wet Disc

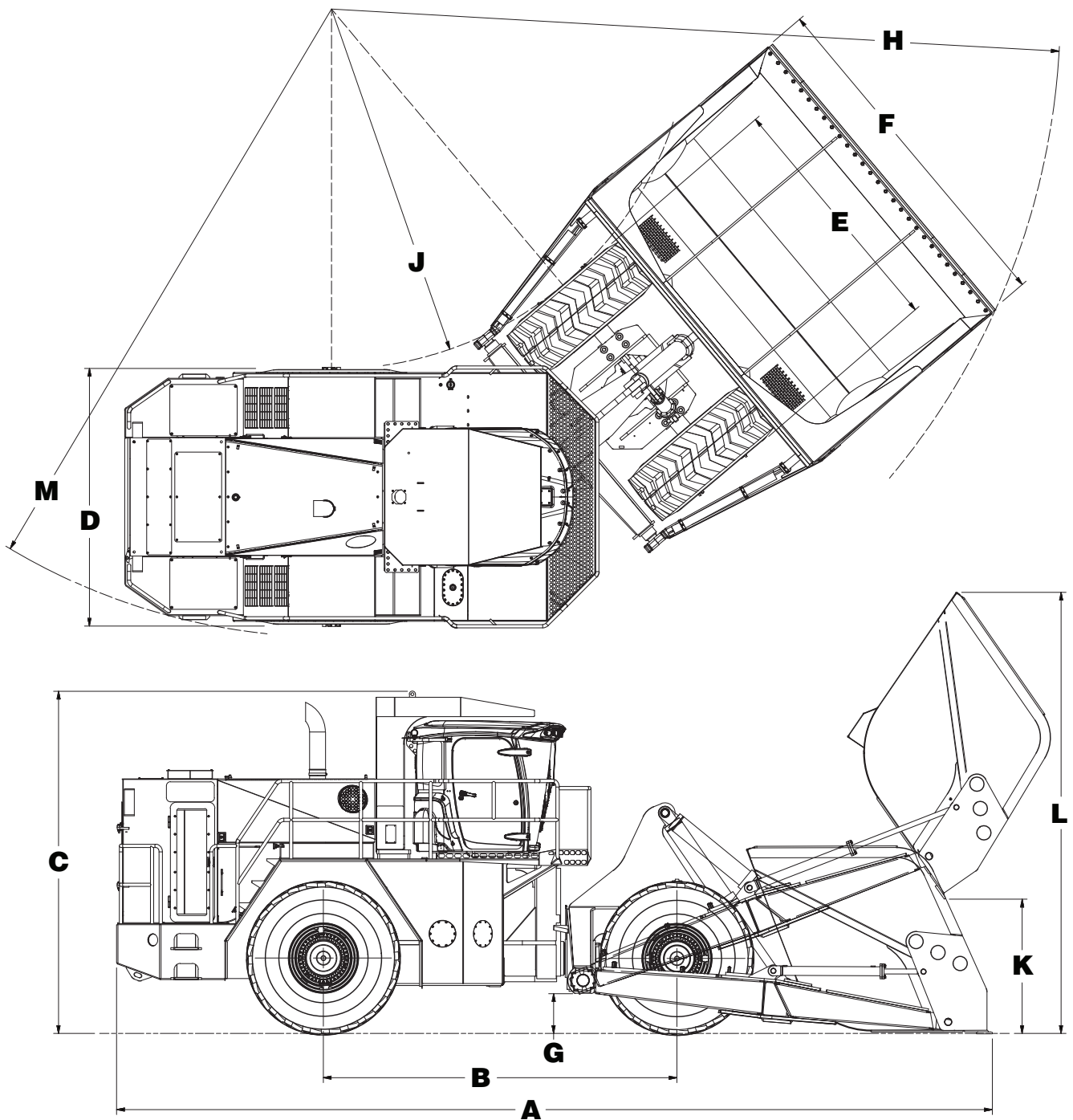
### Tires

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

### Service Refill Capacities (approximate)

Fuel Tank ..... 295 Gals (1,117 liters)  
 Hydraulic Oil ..... 277 Gals (1,048 liters)  
 Crankcase (Refill) ..... 12.6 Gals (47.7 liters)  
 Cooling System ..... 18 Gals (68.1 liters)

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### Dimensions (approximate)

|                                                              |                    |
|--------------------------------------------------------------|--------------------|
| <b>A.</b> Overall Length                                     | 36' 6" (11,125 mm) |
| <b>B.</b> Wheelbase                                          | 14' 9" (4,505 mm)  |
| <b>C.</b> Height to Top of ROPS (roll over protection cover) | 14' 4" (4,362 mm)  |
| <b>D.</b> Outside Chassis Width (Tires)                      | 10' 10" (3,298 mm) |
| <b>E.</b> Outside Bogie Width (Tires)                        | 10' 4" (3,159 mm)  |
| <b>F.</b> Bucket Width                                       | 14' 6" (4,420 mm)  |
| <b>G.</b> Ground Clearance at Chassis                        | 1' 8" (514 mm)     |
| <b>H.</b> Turning Radius - Outside                           | 32' 1" (9,779 mm)  |
| <b>J.</b> Turning Radius - Inside                            | 15' 2" (4,613 mm)  |
| <b>K.</b> Maximum Dump Height                                | 5' 6" (1,676 mm)   |
| <b>L.</b> Maximum Height in Dump Position                    | 18' 4" (5,588 mm)  |
| <b>M.</b> Tailswing Radius                                   | 26' 3" (7,996 mm)  |

### 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 (61.2 cu/m)        |             |
| Bucket Lift & Carry Capacity ..... | 40 cu/yd(30.6 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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