



GETTING MORE DONE™, Efficiently!



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Walk-around Outline for the ODB DCL1000SE – Single Engine The Most Powerful AND Cost-Effective Debris Collection System



- **Single Engine Power Chassis and Collection system w/Variable Power Divider (VPD)**
 - ✓ Only 14 vs 36 Engine Maintenance Points
 - ✓ Lower Emissions
 - ✓ Lower Fuel & Maintenance Costs
- **150 Horsepower at the 32" Fan**
 - ✓ Unsurpassed Suction & Collection Capability
- **Single-Person Operation**
 - ✓ Reduced Labor Costs & Management
- **In-Cabin Controls**
 - ✓ Optimal Safety
- **102" Narrow Width**
 - ✓ Access & Maneuverability
 - ✓ No Oversize Permit Required
 - ✓ Reduced Liability
- **5000 LBS Lighter**
 - ✓ Greater Payload
- **In-Box, Lowest Exit Bottom Exhaust - Std**
 - ✓ Minimal Dust Cloud Visibility & Dispersion
- **Patented ECO-MODE™ Standard**
 - ✓ 35% Reduced Fuel Consumption

ECO-MODE™

SPECIFICATIONS: DCL1000SE

Chassis

- FL M2 106 Chassis 33,000 GVWR
- Dual steering controls - Standard
- Engine forward for less particulate matter build up
- Cummins 6.7L 240 HP 660 LB-FT @1600 RPM
- Turbo Diesel 18.7 CFM Compressor
- Allison 2500, w/ Marmon Herrington VPD
- 11,000 lb FAWR, 22,000 lb RAWR
- 70 Gallon Fuel Tank
- Block heater Phillips 1000 W / 115 Volt
- Detroit Fuel / Water separator w/heater
- Dual premium high back air suspension seats w integrated lumbar support, adj shock absorber
- A/C, Power windows, AM/FM Radio
- Heavy duty bumper

Marmon-Herrington



Variable Power Divider

- Marmon Herrington VPD
- In Highway mode, trucks throttle pedal response is identical to standard truck.
- In Work mode, engine RPM is increased to 2,000. Throttle pedal response "feels" the same for travel speed.
- Switch into and out of work mode within 1 second
- PTO spins drive shaft to power hydraulic pumps for fan and boom.

Fan and Blower Design

- 150 Horsepower Self-clearing fan
- 32" Fan can spin to 2800 RPM within seconds for quick operator response
- Option: SHRED-MASTER™ Fan – 40% Compaction
- Boom, hose, and blower all swing out after removal of jack bolt and four restraint bolts, quicker service
- Inspection door with engine interlock.
- Back plate protects bearings and shaft
- Fans are robotically welded, stress relieved and statically and dynamically balanced
- AR400 material

Boom/Hose

- 3-axis, in-cab motion control
- Hydraulically powered boom
- Clearly-Safe™ 62"+, Mailbox avoidable design
- 16"x120" Urethane vacuum hose w/steel nozzle

SPECIFICATIONS: DCL1000SE

Hydraulic System

- Variable Displacement 100cc hydraulic pump is driven by VPD PTO output
- Fixed displacement gear pump powers boom, dump and door latch
- Hydraulic charge filter, return filter and pressure filter (annual service)
- Pressure compensated proportional hydraulic control valve with manual overrides
- System diagnostics for filter replacement, hydraulic pressure, and temperature.

Patented ECO-MODE™

ECO-MODE™

- ECO-MODE™ system controls which reduces fuel consumption upwards of 35%
- ~3.1 fewer gal/hr, 15-18 less gallons per day
- 50% noise reduction
- 40% less dust
- Reduced wear & tear

Hopper Construction

- Heavy duty 11-gauge steel
- Integrated floor drainage system
- Perforated stainless steel vents
- Single operator controlled, w/In-cab dump control
- Top hinge door
- Chipper door option
- Dump angle 52 degrees
- High door clearance at full dump
- Paint Standard white. Custom colors available

Rear Door

- Back up camera
- LED type DOT w/two amber flashers
- Gear driven pump
- 15.2 Ton hydraulic hoist
- Disengage fan for easier door latching
- Higher RPM faster dumping w/o fan