

# **CMI TM-8-T4 TRASHMASTER LANDFILL COMPACTOR**

**WEIGHT: 80,000 lbs.**

## **TECHNICAL DESCRIPTION**

### **1 CHASSIS AND DRIVE SYSTEM**

- |              |   |  |
|--------------|---|--|
| Chassis      | - | Robust articulated chassis fabricated from mild steel plate with pivoted steel doors for access. Chassis complete with integral mounts for the engine, front and rear axles, blade and hydraulic system. Hydraulically actuated hood and belly pan.  |
| Engine       | - | Cummins QSG 12 Tier 4 Final turbo-charged and charge air cooled diesel engine with dry type air cleaner pre-cleaner and control panel mounted service indicator.<br>Automatic shutdown for high temperature, low oil pressure and coolant loss.<br><br>Governed Speed Power: 429hp (320Kw)<br>Maximum Power Output: 473hp (353Kw)<br>Peak Torque: 1696 lb-ft (2299 N-m ) |
| Cold start   | - | Intake grid heater with additional 120V coolant and oil heater.  |
| Cooling      | - | Radiator including stacked transmission oil cooler and protected by swing out grill doors in hood and fold down trash guard bumper. Variable pitch cooling fan, engine driven, hydraulically actuated to control air flow and auto reversing flow to purge debris from cooler core.  |
| Fuel tank    | - | 150 gallon (567 litre) capacity  |
| DEF Tank     | - | 15 gallon capacity   |
| Transmission | - | Dana 2 Speed forward / reverse soft electronic powershift with torque converter. Machine reversal can be made at maximum engine RPM without powertrain shock.  |

Axles	-	Dana heavy duty planetary drive axles with face seals and double labyrinth seal protectors
Front axle	-	Ridged mounted with locked differential
Rear axle	-	Ridged mounted Posi-Torque differential
Drive	-	Continuous four (4) wheel drive
Brakes	-	Service and parking brake automatically switch transmission to neutral when activated
Service brake	-	Driveline mounted, master cylinder actuated disc service brake
Parking brake	-	Driveline mounted, independent mechanically actuated disc parking brake with indicator light.
Steering	-	Center articulated
Hydraulic system	-	Industry standard hydraulic components designed to provide optimum performance in travelling or working mode complete with cartridge filters
Ground clearance	-	20" (508mm)
Inside turning radius	-	138.4" (3912mm)

## 2 **PROCESS EQUIPMENT**

Blade	-	14' (4267 mm) semi U blade with reversible cutting edges and see through trash guard
Blade control	-	Hydraulically controlled up, down, hold and float positions
Blade max height	-	40" (1016 mm) above grade
Blade min height	-	6" (152 mm) below grade
Wheels	-	Four (4) CMI MASTERLINE long-life (10,000 hours/4 year warranty) cleated wheels all steel fabrication with offset self-cleaning high carbon manganese alloy steel 7.5" tall cleats providing 10' (3 m) compaction width per pass.
Diameter	-	75" (1905 mm)
Width	-	36" (914 mm) rear, 30" (762 mm) front

### 3 **CONTROLS**

- |                |   |  |
|----------------|---|--|
| Operator's cab | - | Ergonomically designed, climate controlled ROPS protected operators cab providing a controlled comfortable environment for the operator. It is the largest in its class, with tinted safety glass, front and rear windshield washers, wipers, AM/FM Radio, 12 Volt power point and USB plugs, rear view mirror, and defrost fan front and rear. provided. Sweep-out door, beverage holder, and interior lighting provided. |
| Seat           | - | Fully Adjustable air ride suspension, heated, high-back side-facing seat   |
| Controls       | - | All controls mounted inside the operator's cab are user friendly. Integrated engine and machine diagnostic Protection System included. Displays all relevant engine and machine data on user friendly display screen.  |
| Display        | - | 10" color touchscreen display displays engine oil pressure, coolant temp, RPM, hours, voltage, percent load, Fuel & DEF levels, park brake on/off, transmission range and direction, and engine diagnostic lights. Displays Error and Warning Messages when occurring. Also used to access other diagnostic screens to monitor machine pressures, and diagnostic logs.   |
| Joystick       | - | Armrest mounted joystick controls for steering and blade functions with movement. Push button Transmission controls, and each joystick has horn control  |
| Camera System  | - | Full 360 degree Masterview Safety System w/interior monitor. Uses a 4-camera system to produce a 360 degree aerial view of the machine and surroundings. Each camera can also be viewed independently.   |
| Mirrors        | - | Two adjustable exterior heated mirrors, one adjustable mirror in cab.  |

- Lighting - Eight (8) LED operating work lights provided. Four (4) front and four (4) rear facing
- Alarm - Audible reversing alarm and horn provided
- Fire extinguisher - One (1) mounted in cab.

#### **4 CAB AIR CONDITIONING**

- Air conditioning - Installation of air conditioning to provide a positive pressure temperature controlled working environment in the cab

#### **5 WIRING & FACTORY TESTING**

The landfill compactor is pre-wired and factory tested prior to dispatch. All wiring is protected from abrasion and uses Smart fuse box technology.

#### **6 MISCELLANEOUS**

- Guards - Safety guards are provided over all V belt drives, chain drives and spur gears.
- Steelwork - All welds to be cleaned as necessary, steelwork to be wire brushed and generally cleaned of all mill scale etc before painting.
- Painting - All external surfaces are painted with one-coat two part Urethane primer, followed by a high build two part Urethane Gloss topcoat finish.
- Electrical - 24 Volt system protected by positive Master switch and Smart Fuse box technology.
- Manuals - We include for two complete sets of operators and maintenance instruction manuals and illustrated spare parts manuals.

Oil Sampling Kits - CMI will provide complementary oil sampling kits for oil analysis for base warranty period.

Commissioning & Startup - CMI will provide a Factory Trained Service Tech to start-up and commission the new machine as well as provide operating and maintenance training.

**7. WARRANTY**

1 year/2,000 hour (whichever comes first) CMI Full Machine Warranty covering complete machine less wear items, damage or neglect related, and routine maintenance items.

4 year/10,000 hour CMI “Masterline” Wheel and Cleat Warranty.

CMI will provide a Factory Trained Service Tech to start-up and commission the new machine as well as provide operating and maintenance training.