

CMI TM-11-T4 TRASHMASTER LANDFILL COMPACTOR

WEIGHT 110,000 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 engine compartment hood and belly pans. |
| Engine | - | Cummins X15 TRF/SV Tier 4 Final turbo-charged and charge air cooled diesel engine with dry type air cleaner, pre-cleaner and control panel mounted service indicator, limiting speed governor. Automatic shutdown for high temperature, low oil pressure and coolant loss.
Governed Speed Power: 535hp (399kw)
Maximum Power Output: 580hp (433kw)
Peak Torque: 1950 lb-ft (2644 N-m) |
| Cold start | - | 110V engine block heater and cold weather Ether start equipment |
| Cooling | - | Radiator including side by side Hydraulic oil, and Charge air cooler protected by swing out grill doors in hood. Variable pitch cooling fan, engine driven, hydraulically actuated to control air flow volume and auto reversing flow to purge debris from cooler core. |
| Fuel tank | - | 234 gallon capacity |
| DEF tank | - | 15 gallon capacity |
| Hydrostatic Drive | - | Continuous four (4) wheel drive. (4) Hydrostatic pumps driven by torsional protected pump drive box driving (4) Hydrostatic Motors individually powering all four wheels. |

Service brake	-	Hydrodynamic braking to each wheel
Parking brake	-	Hydraulic released spring applied parking/emergency wet brakes to rear wheels. Indicator light on display, ground movement locked out while applied.
Steering	-	Center articulated, with load sensing hydraulics and cushioned cylinders.
Hydraulic system	-	Industry standard hydraulic components designed to provide optimum performance in travelling or working mode complete with cartridge filters
Ground clearance	-	35" (889mm)
Inside turning radius	-	12' 4" (3759mm)

2 **PROCESS EQUIPMENT**

Blade	-	16' (4877 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	-	48" (1219 mm) above grade
Blade min height	-	6" (152 mm) below grade
Wheels	-	Four (4) cleated wheels all steel Fabrication with offset self-cleaning high carbon manganese alloy steel 7.5" tall cleats providing 13' 8" (4.166 metre) compaction width per pass. Our wheels and cleats come standard with our MASTER LIFE 4 year, 10,000 hour warranty, unsurpassed in this industry.
Diameter	-	85" (2159 mm)
Width	-	40" (1016 mm) rear, 35" (889 mm) front

3 **OPERATORS CAB AND 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 and wipers, AM/FM radio, 12 Volt power point and USB plugs, rear view mirror, and defrost fan front and rear. Sweep-out door, dash storage compartment, beverage holder, and interior lighting provided. |
| Seat | - | Fully Adjustable air ride suspension, heated, high-back side-facing seat with 90-degree swivel capability to allow the operator to drive the machine facing the front or side seated. |
| Training Seat | - | Fold down training seat for use in operator training and instruction. |
| 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, percent ground speed, Fuel & DEF levels, parking brake on/off, propulsion rang, 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. Propel direction and range controlled by push buttons. Engine RPM and propel ground |

		speed controlled by adjustable thumb wheels, each joystick has horn and blade float control.
Lighting	-	Eight (8) LED operating lights provided. Four (4) front and four (4) rear facing. Stairway and Engine compartment lighting provided from ground level and cab-controlled switches.
Alarm	-	Audible reversing alarm and horn provided.
Fire extinguisher	-	One (1) mounted in cab.
Mirrors	-	Two (2) external heated mirrors and one (1) internal mirror for operator's full view surrounding the machine
Camera System		Full 360 degree MASTERVIEW SAFETY SYSTEM camera with cab mounted display. Uses a 4-camera system to produce a 360 degree aerial view of the machine and surroundings. Each camera can also be viewed independently.

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.

6 MISCELLANEOUS

FACTORY STARTUP, COMMISSIONING, AND TRAINING

A CMI Factory authorized Service Technician will be onsite to start-up and commission your new machine and train both your operator's and maintenance personnel.

CMI will provide a quarterly inspection with report for year 1 of operation.

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 two part Urethane Gloss Topcoat finish.

ELECTRICAL

24 Volt electrical system with Positive and Negative Master disconnect switches. System protected by Smart fuse box technology.

MANUALS

We include for two complete sets of operators and maintenance instruction manuals and illustrated spare parts manuals.

OIL SAMPLES

CMI will provide complimentary oil sample kits for oil analysis though base warranty period.

WARRANTY (Copies Attached)

1 year, 2,000 hour, whichever comes first, “bumper-to-bumper” warranty. See terms & conditions for details.

4 year, 10,000 hour wheel and cleat warranty (see attached for detail).

5 year, 10,000 hour Extended Power Train Warranty administered by CMI directly (see attached details).