Material Transfer Vehicle

MTV-1100

ENGINE
Tier 4F, Cummins® QS86.7 250 hp (186 kW) @ 2,200 rpm

OPERATING WEIGHT
47,890 lbs (21,722 kg)
Roadtec — An Astec Industries Company

Roadtec, Inc. is proud to be a part of the family of companies that make up Astec Industries, Inc. Founded in 1972, Astec Industries, has grown to become America’s leading manufacturer of equipment for asphalt road building, aggregate processing, oil, gas and water well drilling and wood processing. Roadtec continues to be an industry leader together with Astec Industries, by applying Astec’s model of creative thinking bolstered by a corporate culture renowned for putting customer service first.
THE ROADTEC DIFFERENCE: DELIVERING QUALITY AND INNOVATION WITH SUPERIOR CUSTOMER SERVICE

**Dependability**
Roadtec has been manufacturing innovative, heavy-highway equipment since 1981. We continue to grow and add new products, yet our personal connection to our customers and our ability to respond immediately to your needs is even stronger.

**Customer Service**
Our customers benefit from our strong focus on customer support after the sale. In-the-field service technicians live in the regions where they work and respond quickly. 24/7 parts support will get you the right parts fast, and at a fair price. Our product specialists will train your people on any newly purchased machine, and we also offer industry-leading training at our state-of-the-art training facility or in the field.

**Count on Roadtec Equipment**
We don’t build roads. We make the equipment so you can cost-effectively build and maintain the world’s roads. With the Roadtec heavy-duty design, we are able to keep your machine working longer while lowering maintenance and operating costs. We are also able to make your operators more comfortable and confident with our user-friendly design and our customization for special projects.
The MTV-1100e material transfer vehicle, allows simple entry into non-contact paving. This machine was designed from the ground up with operator features coming second only to paving performance. The machine keeps Roadtec’s famous durability and strength with heavy steel but manages to stay light enough to avoid weight permits for most transports. It is a smaller, easier maneuvering machine for customers that don’t want something as big as a SB-1500.

**MTV-1100e: AT A GLANCE**

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**Important Benefits**

From a strong build with user-friendly systems and simple operation to improved material handling, Roadtec took countless considerations into designing the best no storage Material Transfer Vehicle.
Parts Made for Durability

All conveyors are outfitted with durable roller bushing chain. Slats are made of abrasion-resistant steel and we install thick wear plate linings on the conveyor floors. The floor of the paver-loading conveyor is insulated against heat loss. Rails installed at the bottom of this conveyor help protect it from any damage that could be caused by impact with the paver.

Front Hopper Performance Features

Sized for mass discharge from standard haul trucks, the front hopper allows trucks to unload fast. A vibrating bottom plate in the hopper prevents material build-up. Heavy-duty, swiveling support casters under the hopper assure smooth movement. Complete functionality of the dump hopper is easily controlled from the main operator platform - requiring less working crew.

Stress-Free Machine

Hydraulically operated clean-out doors are found at each conveyor to make end-of-day cleaning easy and quick. Remote located grease points and fluid-fills are worked into stress-free routine maintenance. The main electrical box and DEF tank, along with almost all other maintenance items, are easy to reach from the ground and don't force your mechanic to open the hood or crawl on the ground for regular checks.

Frame

The MTV-1100e has an extremely strong frame that is fabricated, welded and assembled by Roadtec. Using American steel, these machines are built by dedicated technicians right here in Chattanooga, Tennessee. We don't assemble parts - we build machines.

Operator Platform

The inventive platform design for the MTV-1100e creates open space for great visibility all around the machine. Ability to see the work around the machine is so good that a ground man is no longer required. The lower vantage point offers the best possible views and allows for an innovative staircase entrance instead of the ladder of the past. The staircase makes for a safer jobsite by allowing the crew to cross over the machine instead of going between equipment and also making it easy for the operator to communicate with those on the ground. Comfortable seats, joystick control, and ergonomic switch placements round out the operator stations to make this the machine your crew wants.
OPTIONS

**Auxiliary Power and Lighting**
- 4 kW Continuous Duty Hydraulic Generator
- Truck Dump Signal Light
- Dump Hopper Landing Lights
- Road Light Package – Six 24V Road Lights
- Night Light Package

**Miscellaneous**
- Automated Lubrication System
- Truck Hitch Instead of Push Rollers
- Environmental Agent Spray-Down System
- Automated Release Agent Spray down system
- Tire Spray System
- Auto tracking Package
- Auto-Feed Hopper monitor

COMING SOON - MTV-1105e

*Tracked Material Transfer Vehicle*
**SPECIFICATIONS**

**ENGINE**
- Tier 4F, Cummins® QS86.7 250 hp (186 kW) @ 2,200 rpm

**WEIGHTS**
- 47,890 lbs (21,722 kg)

**COOLING SYSTEM**
- Dual, quiet operation fans

**ELECTRICAL SYSTEM**
- Standard system includes heavy-duty 95 amp alternator, 24V starting system and circuit breaker protection of all systems.

**PROPEL SYSTEM**
- Hydrostatic drive
- Continuously variable speed control with two speed ranges

**SPEED**
- Working: 0-2.3 mph (0-3.7 kph)
- Travel: 0-9.6 mph (15.4 kph)

**BRAKE SYSTEM**
- Hydrodynamic disc caliper brakes, and parking brake

**TIRES**
- Rock Lug - 17.5" x 25" (445 mm x 635 mm)

**OPERATOR STATIONS**
- Operator positions on both sides.
- Comfort Drive™ stations on both sides of the platform make for easy operation, no matter the job.

**TRUCK DUMP HOPPER**
- Front hopper has swivel support casters. Vibrating floor plate. 9’2” (2,794 mm) wide truck opening.
- Hydraulic, adjustable push rollers.
- Hydraulic front hopper baffle adjustable for optimal material flow.

**DUMP HOPPER TRANSVERSE AUGER (C1)**
- Triple pitch 22” (559 mm) o.d. cast, segmented auger.

**DUMP HOPPER UNLOADING CONVEYOR**
- Drag conveyor with 600 tph (544 mtph) capacity.
- Dual roller bushing chain.
- Heavy-duty flights 5/8” (1644 mm) thick, 5 9/16” (142 mm) wide, and 33 3/4” (857 mm) long

**PAVER LOADING CONVEYOR (C3)**
- Drag conveyor with 600 tph (544 mtph) capacity.
- Dual roller bushing chain.
- Slats are 1/2” (12.7 mm) thick, 4 3/4” (121 mm) wide and 30” (762 mm) long.
- 500 BHN bolted replaceable floor plates and doors.
- Conveyor can be positioned up to 55° to either side of center.
- Conveyor guard rails

**SERVICE CAPACITIES**
- Fuel Tank ................................................................. 120 gal (454 l)
- Hydraulic Fluid Tank ............................................. 80 gal (303 l)

Dimensions in brackets are mm. Specifications are subject to change without notice.