

MTV-1100

Material Transfer Vehicle



Engine

- Tier 4F, Cummins® QSB6.7 250hp (186 kW) @ 2,200 rpm

Weights

- 47,890lb (21,722kg)

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" (445mm x 635mm)

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" (2,794mm) wide truck opening
- Hydraulic, adjustable push rollers
- Hydraulic front hopper baffle adjustable for optimal material flow

Dump Hopper Transverse Auger (C1)

- Triple pitch 22" (559mm) 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" (1,644mm) thick, 5 9/16" (142mm) wide, and 33 3/4" (857mm) long

Paver Loading Conveyor (C3)

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

Service Capacities

- Fuel Tank - 120 gal (454 l)
- Hydraulic Fluid Tank - 80 gal (303 l)

Physical and Operating Characteristics

Dimension	Standard	Metric
Engine MFG	Cummins	
Model	QSB 6.7	
Max Power	250hp @ 2,200rpm	186kW @ 2,200rpm
Number of Cylinders	6	
Electrical	24v	
Shipping Weight	47,890lb	21,722kg
Operating Length	40' 10"	12.446m
Shipping Width	9' 9"	2.971m
Shipping Height	9' 10.5"	3.009m
Wheelbase	11'	3.352m
Hydraulic Tank Capacity	80 gal	303 ltr
Fuel Tank Capacity	120 gal	454 ltr
Truck Dump Hopper Width	9' 2"	2.794m
Dump Hopper Transverse Auger (C1)	22"	559mm Triple Pitch
Dump Hopper Unloading Conveyor Capacity	600 tph	544 mtpm
Paver Loading Conveyor (C3)	600 tph	544 mtpm
Working Speed	0-2.3 mph	0-3.7 kph
Travel Speed	0-9.6 mph	15.4 kph
Steering	Single Joystick	
Suspension	Rock Lug 17.5" x 25"	Rock Lug 445 mm x 635mm