

# SB-1500

## Shuttle Buggy<sup>®</sup> Material Transfer Vehicle



### Engine

- SB-1500e: Tier 4F, Cummins<sup>®</sup> QSL9 300 hp (224 kW) @ 2,000 rpm
- SB-1500ex: Tier 3, Cummins<sup>®</sup> QSL9 300 hp (224 kW) @ 2,000 rpm

### Weight

- 67,240 lb (30,500 kg)

### Construction

- Heavy-duty conveyor flights and chain with replaceable wear plate in all high-wear areas

### Cooling System

- Dual, quiet operation fans

### Electrical System

- Two 4D batteries & 115 amp alternator
- 24 V system with master disconnect switches
- Electric-over-hydraulic solenoids with manual override

### Propel System

- Hydrostatic drive
- Continuously-variable speed control: two speed ranges

### Speed

- Working: 0 - 2.8 mph (0 - 4.5 kph)
- Travel: 0 - 11.4 mph (0 - 18.4 kph)

### Brake System

- Hydrodynamic disc caliper brakes and parking brake

### Tires

- Large, high-flotation: 18 x 25 in (457 x 635 mm)

### Operator Stations

- Two operator stations with deluxe adjustable seats
- Center control console pivots to left or right

### Ground Controls

- Two front-dump hopper control boxes

### Fume Extraction System

- Two blowers and fold-down, 10 in (254 mm) exhaust pipes

### Truck Dump Hopper

- Swivel support casters on front hopper
- Vibrating floor plate
- 9 ft 2 in (2,794 mm) wide truck opening
- Hydraulic, adjustable push rollers
- Hydraulic hopper baffle, adjustable for optimal material flow

### Dump Hopper Transverse Auger

- 22 in (559 mm) o.d. cast, segmented auger

### Dump Hopper Unloading Conveyor (C1)

- Drag conveyor with 600 tph (544 mtpH) capacity
- Dual roller bushing chain
- Weld-on flights  $\frac{5}{8}$  in (16 mm) thick,  $5 \frac{9}{16}$  in (142 mm) wide x  $33 \frac{3}{4}$  in (857 mm) long
- Ni-Hard liner plates

### Surge Bin

- 15 tons (13.6 mt) storage capacity

### Remixing Auger in Surge Bin

- 22 in (559 mm) o.d. cast, segmented augers

### Surge Bin Unloading Conveyor (C2)

- Drag conveyor with 600 tph (544 mtpH) capacity
- Dual roller bushing chain
- Weld-on flights  $\frac{5}{8}$  in (16 mm) thick, 7 in (178 mm) wide x  $35 \frac{1}{2}$  in (902 mm) long
- Replaceable Ni-Hard liner plates

### Paver Loading Conveyor (C3)

- Drag conveyor with 600 tph (544 mtpH) capacity
- Dual roller bushing chain
- Conveyor flights welded to chain are  $\frac{1}{2}$  in (12.7 mm) thick,  $4 \frac{3}{4}$  in (121 mm) wide and 30 in (762 mm) long
- Bolted  $\frac{1}{2}$  in (12.7 mm) AR500 replaceable floor plates and doors
- Controls interlock with surge bin unloading conveyor

Dimension	Imperial	Metric
Fuel Tank	110 gal	416 L
Hopper	15 tons	13.6 mt
Material	110 lb/ft <sup>3</sup>	1,762 kg/m <sup>3</sup>
Hydraulic Tank	80 gal	303 L

