



The SB-1500D Shuttle Buggy® material transfer vehicle features a low weight and a narrow transport width. It can store up to 15 tons (13.6 MT) of asphalt mix, allowing haul vehicles to unload as soon as they arrive. This substantially reduces trucking costs. The SB-1500D features an end-dump hopper or an optional windrow pickup head. It also features the patented antisegregation auger which remixes materials for aggregate and temperature segregation.

SB-1500D SPECIFICATIONS

ENGINE:

Caterpillar® C9-300 HP, Tier III, 6-cylinder diesel engine, 300 HP (224 kw) @ 2,200 rpm. Engine instrumentation includes tach/hour meter, oil pressure, voltage and emergency shutdown system. Easy access to oil cooler/radiator.

OPERATOR'S STATION:

Operator positions on both sides. Control console swivels for use from either station allowing for same-lane or adjacent-lane operation from either side. An inside turning radius 26'6" (8.1 m).

GROUND DRIVE:

All hydrostatic for continuously variable speed control with two speed ranges. Electric shift-on-the-go control between high and low. Maximum speed (working range) 2.8 m.p.h. (4.5 kph). Maximum speed (travel range) 11.4 m.p.h. (18.4 kph).

TIRES:

Large, high-flotation - 18:00 x 25" (45.7 m x 635 mm).

ELECTRICAL SYSTEM:

Standard system includes heavy-duty alternator, battery, and circuit breaker protection of all systems.

FUME EXTRACTION SYSTEM:

Two blowers. Fold-down 10" (254 mm) exhaust pipes.

SLAT CONVEYORS TRUCK UNLOADING (C-1):

High-capacity truck unloading system with low deck height, 9'2" (2.8 m) side truck opening and 22" (559 mm) o.d. x 8.5" (216 mm) deep segmented converging auger for quick material flow. Conveyor has weld-on flights 5/8" (16 mm) thick, 5.5" (140 mm) wide x 33 3/4" (857 mm) long. Ni-Hard liner plates are removable. Power dump front hopper has sliding baffle, steep floor and a vibrator for quick material flow. Hydraulic adjustable push roller is standard. Conveyor capacity is rated at 600 TPH (544 MTPH).

SURGE BIN (C-2):

Unloads the surge bin with a multi-pitch 22" (559 mm) o.d. x 8.5" (216 mm) deep antisegregation auger in the hopper. Conveyor system has weld-on flights 5/8" (16 mm) thick, 7" (178 mm) wide x dual 16" (406 mm) long. Liner plates are Ni-Hard and removable. Conveyor capacity is 600 TPH (544 MTPH).

PAVER LOADING (C-3):

Conveyor swings 50 degrees to either side of center. Maximum conveyor discharge height is 11' 6" (3.5 m)

from ground level. Conveyor flights welded to the chain are 5/8" (16 mm) thick, 4 3/4" (121 mm) wide and 30" (762 mm) long. Conveyor has bolted 1/2" (12.7 mm) AR500 replaceable floor plates and doors. C-2 and C-3 conveyors have on/off controls that are interlocked. Conveyor capacity is 600 TPH (544 MTPH).

HOPPER INSERT:

A mass-flow paver hopper insert is used to increase the hopper capacity of a conventional paver when used with the SB-1500D.

CAPACITIES:

Fuel tank	110 gal (416 l)
Hopper	15 tons (13.6 MT)
Material	110 lbs/cu ft (1,762 kg/cu m)
Hydraulic	100 gal.(378)

WEIGHTS:

Shipping weight	67,240 lbs (30,500 kg)
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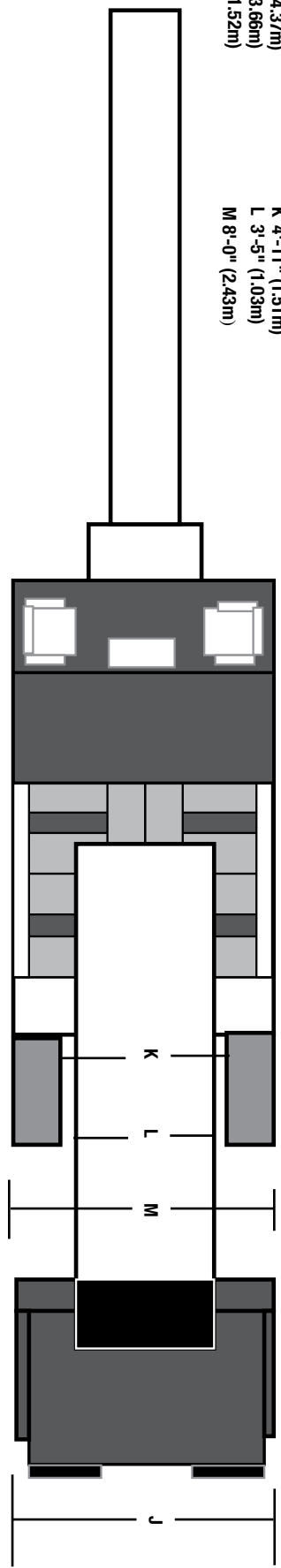
OPTIONS:

- Hydraulic generator set
- Windrow attachment
- Light Package
- Hydraulic Truck Hitch

All specifications are subject to change without notice.

- A 52'-9" (16.09m)
- B 50'-0" (15.24m)
- C 19'-8" (5.98m)
- D 14'-4" (4.37m)
- E 12'-0" (3.66m)
- F 5'-0" (1.52m)

- G 10'-4" (3.14m)
- H 15'-3" (4.65m)
- J 9'-9" (2.98m)
- K 4'-11" (1.51m)
- L 3'-5" (1.03m)
- M 8'-0" (2.43m)



Exhaust stack folds down for transport

