



The SB-2500D Shuttle Buggy® material transfer vehicle can store hot mix asphalt and transfer it from a truck to a paver for continuous paving. A patented antisegregation auger remixes materials just before they are delivered to the asphalt paver. The 25-ton (22.7 MT) surge capacity of the SB-2500D allows trucks to unload material immediately and return to the asphalt plant. Options include a windrow pickup head and road widener attachment.

SB-2500D SPECIFICATIONS

ENGINE:

CAT® 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 panel pivots for use from either station allowing for same-lane or adjacent-lane operation from either side. One-piece hydraulically-raisable hood allows easy access to engine, pumps and motors. Inside turning radius 26'6" (8.1 m).

GROUND DRIVE:

All hydrostatic for continuously variable speed control with two speed ranges. Electric-over-hydraulic shift between working and transport ranges. Maximum speed (working range) 3.0 mph (4.8 kph). Maximum speed (travel range) 9 mph (14.5 kph).

TIRES:

Large, high-flotation - 21.00 x 25" (53.3 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) truck opening and 22" (559 mm) o.d. x 8" (203 mm) deep, 27% chrome-iron cast, segmented converging auger for quick material flow. Conveyor has weld-on flights 5/8" (16 mm) thick, 5.5" (140 mm) wide x 57" (1,448 mm) long. Ni-Hard liner plates are removable. Power dump front hopper has a vibrator on the bottom that helps keep material moving. Adjustable push roller is standard. Conveyor capacity is rated at 1,000 TPH (907 MTPH).

SURGE BIN (C-2):

Unloads the surge bin with a multi-pitch 22" (559 mm) o.d. x 8" (203 mm) deep, 27% chrome-iron cast, segmented anti-segregation 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 55 degrees to either side of center.

Maximum conveyor discharge height is 12' 6" (3.8 m) from ground level. Conveyor flights welded to the chain are 1/2" (12.7 mm) thick, 3" (76.2 mm) wide and 30" (762 mm) long. Conveyor has bolted 1/2" (12.7 mm) 500 Brinell replaceable floor plates. 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-2500D.

CAPACITIES:

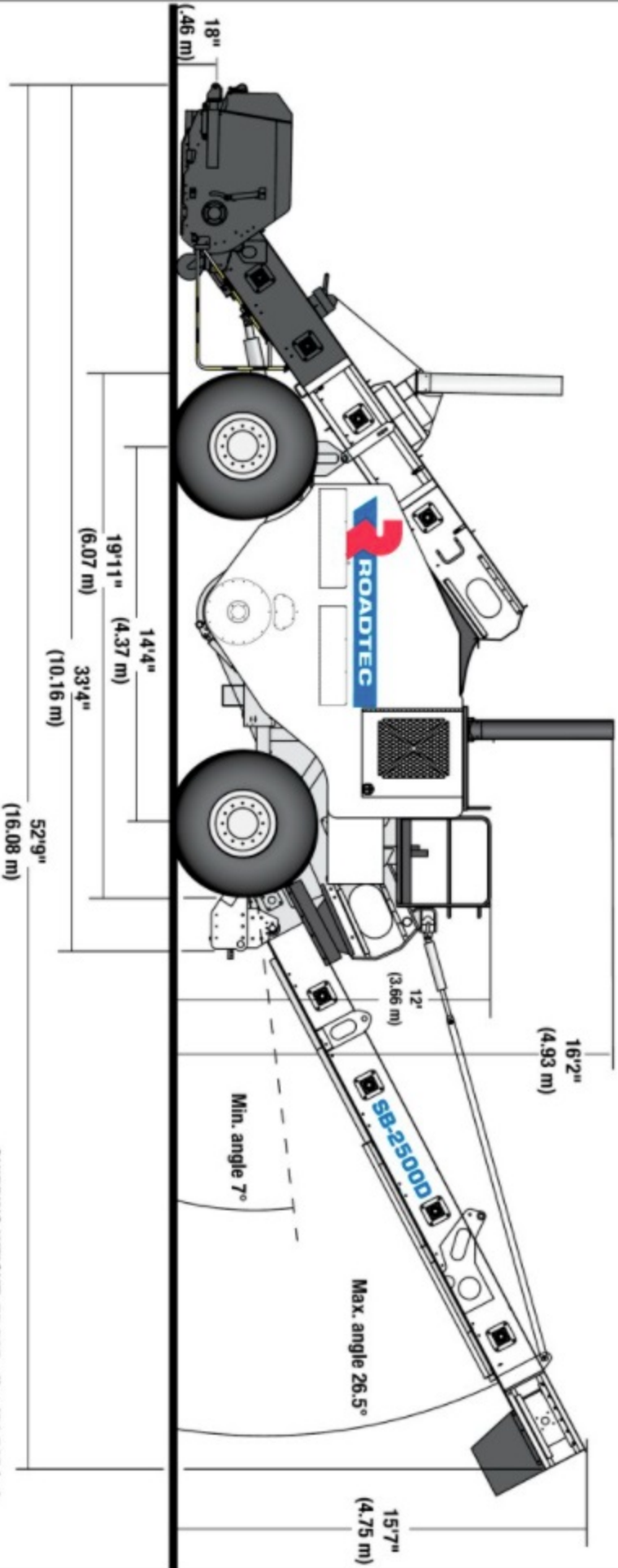
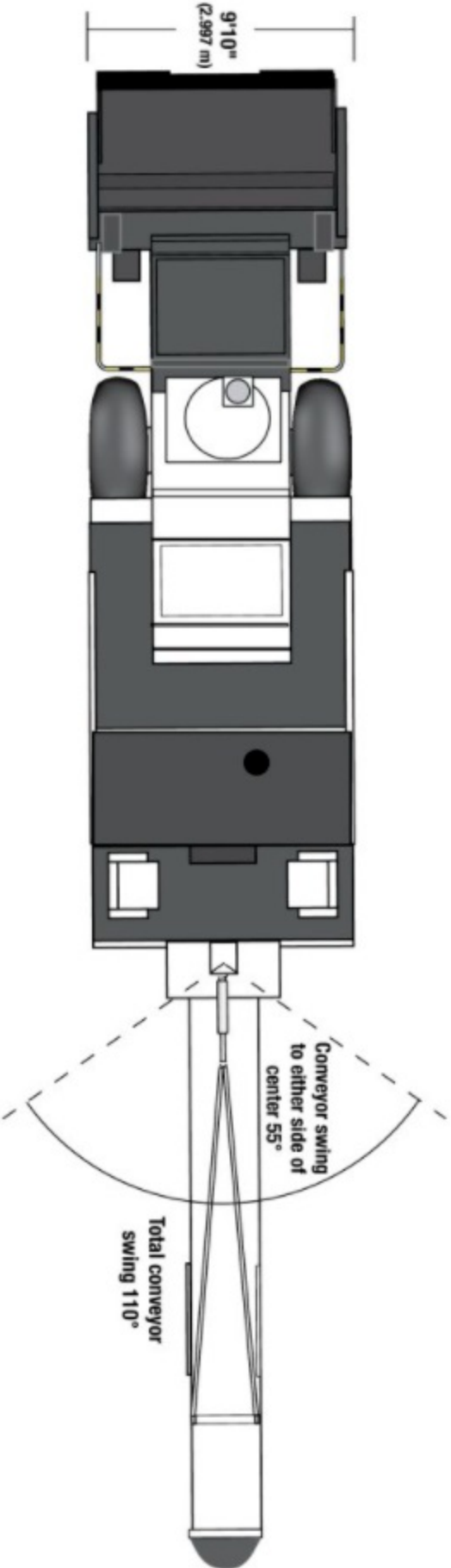
Fuel tank.....140 gal (529 L)
Hopper.....25 tons (22.7 MT)
material.....120 lbs/cu ft (1,922 kg/cu m)

WEIGHTS:

Shipping weight.....74,500+ lbs (33,790 kg)

OPTIONS:

Release agent spray down system
Hydraulic generator set
Windrow attachment
Light Kits
Truck Hitch



SHIPPING WEIGHT: 75,500+ lbs (34,246 kg)