



Wilco Bulk Transport Trailer

Wilco™ WBT-620 (620-ft³) and WBT-660 (660-ft³) bulk transport trailers are designed for rapid unloading of bulk materials. Versions are available with and without engine and compressor packages.

Our WBT-620 and WBT-660 models are built as transport trailers with two pressure vessels used for transporting and unloading of bulk cement and other powdered bulk materials. Our trailers are designed to be deployed to wellsites and other locations loaded with powdered bulk cement or other bulk solids, such as fracturing sand. The bulk cement is pneumatically displaced to storage silos, batch mixers, or combination cement blending/pumping units.

Features

- **Manifold:** Fill, vent, and discharge by manually controlled butterfly valves. Remote-control air-actuated valves are also available.
- **Dust collector (optional):** Wilco standard ASME cyclone dust collector or Wilco ASME dust collector with Donaldson ToritR filtration system available
- **Surge vessel (optional):** Wilco surge tanks are used to interface between the bulk storage tanks for cement and the cement mixing equipment. The surge tank's constant pressure valve is used to reduce pressure surges and create a more even flow rate in pneumatically-conveyed bulk material. Also, the constant pressure valve reduces dust at the cement mixer. Our surge vessel capacity is 20 ft³ (0.57 m³) and both ASME-certified and National Board of Boiler and Pressure Vessel Inspectors registered. The surge tank has a 36-psi (248-kPa) working pressure at 250 to -20°F (121 to -29°C) temperature range.

Paint

Paint system is shot blast with epoxy primer and acrylic urethane top coat with choice of color and other finish details. Optional, organic zinc rich primer available for units operated in marine environments or other harsh operating areas.

Warranty

Wilco WBT-620 and WBT-660 models are warranted for 12 months from shipment date for repairs resulting from workmanship. Components for outside vendors including engines, compressors, axles, and suspension are covered by original manufacturer's warranty.

Bulk Transport Trailer



Power unit

	WBT-620 and WBT-660
Power unit	Cummins QSF2.8T4F 74 horsepower (55.2 kW) Tier 4 final
Fuel tank	30 gallons (114 L)
Couplings	30-gallon (114 L) ASME air receiver with 3 in. (76.2 mm)
Compressor	30-hp (22.4 kW) compressor producing approximately 272 ft ³ /min (7.70 m ³ /min) at 30 psi (207 kPa) at 1,072 RPM engine speed
Engine	Equipped with automatic shut-off system to "save" the unit if high-temperature, low oil pressure or high engine RPM are encountered

Trailer frame

	WBT-620 and WBT-660
Design	Steel I-Beam frame mounted with dual axles and air ride suspension
Axles	Two 25,000-lb (11 340-kg) axles with 71.5-in. (1.812-m) track
Suspension	25,000-lb (11 340-kg) Neway air ride suspension (mechanical spring suspension also available)
Steel wheel	22.5 x 8.25, 10 hole
Tires	11R22.5, 14-ply
Kingpin coupler	Heavy duty 2-in. (50.8-mm) SAE Holland Hitch (other sizes also available)
ABS system	Trailer equipped with anti-lock brake system

Specifications

	WBT-620	WBT-660
Length	38 ft 4.5 in. (11.70 m)	38 ft 4.5 in. (11.70 m)
Width	8 ft 6 in. (2.59 m)	8 ft 6 in. (2.59 m)
Height	12 ft 8 in. (3.86 m)	13 ft 2 in. (4.01 m)
Total weight (empty)	23,200 lb (10 520 kg)	23,400 lb (10 610 kg)
Weight at rear axles (empty)	13,680 lb (6205 kg)	13,760 lb (6240 kg)
Unloaded kingpin weight	9,520 lb (4320 kg)	9,640 lb (4370 kg)

Transport vessels*

	WBT-620	WBT-660
Useable volume transport tanks	634 ft ³ (17.95 m ³) capacity	690 ft ³ (19.54 m ³)
Codes	Designed to ASME Sec VIII, Div. 1 and registered with the National Board of Boiler and Pressure Vessel Inspectors	
Maximum allowable working pressure	36 psi (248 kPa) at 250°F (121°C)	13 ft 2 in. (4.01 m)
Minimum design metal temperature	-20°F (-29°C) at 36 psi (248 kPa)	23,400 lb (10,610 kg)

*Note: The tanks are designed per ASME pressure vessel code for temperatures above -20°F (-29°C). Special low temperature, -50°F (-45.6°C) pressure vessels can be optionally supplied.