

TECHNICAL SPECIFICATION 34 M3 ALUMINIUM SILO-TRAILER

KATMERCILER 34m3 Silo Tank Semi Trailer for the transport of cement. App. 34.000 lt. gross volume, 1 single compartment A self-supporting, horizontal vessel made of aluminum 5000 series.

Tank

Vessel with 1 compartment 34.000 m3

2 hoppers with outlet cones DN780

Italian technology SOLIMAR system is used for aeration and vibration to ease the discharge

Working parameters of the tank

Pressure vessel in compliance with EU pressure vessel regulations

Vessel wall thickness approx. 5 mm

Test pressure 3.0 Bar - Working pressure max 2.0 Bar

Working temperature - 20° + 80°

Options of loading

Nr.2 manholes DN450 (internal diameter 450 mm), with swivel and hinged quick release lids. Each one is pressurized with 4 wing stainless steel bolts.

Material discharge

2 hoppers equipped with SOLIMAR valves as a fluidizing system

Blank cap is fitted below each hopper as clean out system

2 pinch valves DN 100 brand AKO as shut-off valves

Jet valve is included for faster product conveyance

Carbon steel unique unloading pipe DN100 outlet

Flange coupling is fitted at the end of material line

Airline

A common aluminum airline is fitted on the left side, with 2,5" connection coupling compressor connection.

Ladder and catwalk

Aluminum catwalk leads along the top left side of the vessel

Aluminum ladder is fitted at the rear side of the vehicle

Pneumatically controlled handrail is operated from a ground level

Hoses

2 rubber hose tubes DN200 with 2 rubber hoses with STORZ A couplings on the right side

Sideguards

Sideguards made of aluminum fitted on the LHS and RHS of the substructure

Rear bumper bar

Rear bumper bar made of aluminum

2 multi chambered lights integrated into the under run bumper

Further accessories

2 yellow wheel chocks are supplied

Tool box standard size

Instrument Panel

1 gauge showing the pressure in the tank
1 gauge showing the air suspensions pressure
Controls for operating the valves
Vehicle shut down
Parking brake

Electrics

24 Volt Electrics comprising of:
One 15- pin socket is fitted in front of the fifth wheel plate
Yellow side marker lamps
Rear and front marker lamps
Number plate lamps at rear

Axles

N. 03 BPW TYPE fixed axles 3x9 tons, are set at 1310 mm distance apart.

Brakes

EBS 2S/2M braking system make Wabco with RSS, anti-locking system and separated circuits in compliance with the standard 98/12/CE - ECE R13/09

Wheels and Tyres

N. 06 aluminum rims ALCOA LVL size 11.75x22,5 with tyres size 385/65 R 22,5
Single spare wheel holder, spare wheel is NOT INCLUDED

Landing Legs

Mechanical 2x25 ton landing gear witted on the front, operated from both sides to enable tank to stand freely

Painting

Standard acrylic paint, but without lettering
White reflective tape on each side and red reflective tape at rear.

Weights

Total weight: app. 34.000 kg
27 tons axle assembly (3x9 ton)
Technical permitted 13-ton fifth wheel load
Curb weight : 5.210 kg