

**SCHMITZ HEAVY DUTY 3-Axle Water Tank Semi-Trailer 10'000 US gallons**  
**Type STA 27/L 10000-SK-WS**



**Schmitz heavy duty 3-axle water tank semi-trailer type STA 27/L 10000-SK-WS, for the transport of 10'000 US Gal water.**

HEAVY DUTY 3-AXLE WATER TANK SEMI-TRAILER  
TYPE: STA 27/L 10000-SK-WS

Volume: approx. 10'000 US gal

**WEIGHTS:**

fifth wheel load	approx.	20'000 kg
axle load	approx.	27'000 kg
total gross weight	approx.	47'000 kg
dead weight	approx.	9'000 kg

**DIMENSIONS:**

total length	approx.	11'700 mm
total width	approx.	2'550 mm
total height	approx.	3'650 mm
5 <sup>th</sup> wheel height*	approx.	1'360 – 1'480 mm – matching to 6x4
* unloaded		(twin steers)

**CHASSIS:**

Heavy duty reinforced STA 27/L chassis with reinforced air suspension with SAF / BPW axles. Welded frame construction, consisting of I-beams and sectional cross members with heavy duty underrun guard.

**RUNNING GEAR AND AXLES:**

Pneumatic aggregate in rigid and reinforced construction. Axles equipped with closed S-cam brakes, 420 x 180 mm, asbest free. 1<sup>st</sup> axle in autotrop lifting axle version.

Axles	:	3 x 9'000 kg	=	27'000 kg
Wheel base	:	2 x 1'310 mm		
spring centre	:	1'300 mm		

**WHEELS AND TYRES:**

units	:	8 - 2 complete spare wheels included
wheel type	:	disc-wheel
dimension	:	11.75 x 22.5
tyres	:	385/65 R 22.5
brand	:	First class European brand

**KING PIN:**

3 ½" SAE-king pin with one king pin position.

**MUDGUARDS:**

Heavy duty mudguards made of PVC with rubber mud-flaps.

**LANDING GEARS:**

Mechanical operation with extra large universal base plates, special wide sand plates, total capacity 25 tons. (as in Europe) Operation from one side for uncoupling of the loaded semi-trailer. Handle can be locked during transport.

#### **BRAKES:**

Load controlled two-line air brake system according to EC-norm RR EC 71/320, with automatic load sensing valve and hand brake acting on two axles, incl. ABS, type: 2S/2M.  
ABS standard connection, ISO 7638.

#### **ELECTRICAL OUTFIT:**

system voltage	:	24 Volt, acc. to RL 76/756/EWG
coupling	:	7 poles, incl. 1 parking position for 2 <sup>nd</sup> cable
rear light system	:	2 pairs of 3 chamber lights for 24 Volt
tracking lights	:	2, mounted on the rear bumper plate, 24 Volt
position lights	:	2 at the front, 24 Volt
reflectors	:	2 triangle at rear

#### **TANK:**

Tank shape: elliptical with one compartment, incl. level indicator

Manufactured of stainless steel 1.4571, equivalent to AISI 316 (does 100 % comply with your requirements), electrically welded throughout with accurately finished welding seams. Dished bulkheads on both sides and appropriate number of splash walls. 100% save for the transport of potable water.

#### **HOSE CARRIERS / HOSES:**

4 4" hose tubes, two on each side of the tank with hoses length 5 mtr. with camlock 4" with cap.

4 2" hose tubes, two on each side of the tank with hoses length 5 mtr. with camlock 2" with cap.

#### **DOME ARMATURES:**

Basic equipment and installations for each tank-compartment:

- one dome cover NW 500
- one ventilation valve NW 80

#### **DISCHARGE:**

At the lowest point of the tank, one discharge pipe leads to the right hand side of the vehicle, ending with a shut-off valve 4" with hose-coupling cam lock 4".

#### **DISCHARGE MODES:**

- Discharge by gravity
- Discharge with pump
- Self-filling with pump
- Discharge via hose reel

#### **PUMP:**

Centrifugal pump, for potable water, self-suction type, for tank contents mounted to the chassis. Suction and delivery connections are provided with hose coupling and cap. Propulsion of the pump through autonomous diesel engine. (Diesel pump does not get in connection with water!)

Pump capacity: approx. 800 ltr./min.

#### FULL HOSE EQUIPMENT:

One spring loaded hose reel with stainless steel nozzle

-Hose type: 1.5"

-Hose length: 15 mtr.

Used hose complies with preventative med regulation for potable water

#### STANDARD ACCESSORIES:

- 2 chock blocks with holder
- 2 heavy duty rubber rear buffer on underrun guard
- 3 units heavy duty spare wheel carriers, 2 x for semi trailer & 1 x for truck tractor with tyres size: 315/80 R 22.5 or alternative 12.00 R 24
- 1 lockable toolbox
- 1 operating manual

#### PAINTWORK AND FINISH:

- wheels in silver
- hubs KTL coated (jet black)
- landing gear: jet black
- chassis galvanized
- tank body in same colour as driver cab

#### ACCEPANCE TEST:

- leakage testing of tank 0,25 bar
- functional test