



**TATSA**<sup>®</sup>  
CALIDAD INDUSTRIAL DESDE 1955

# LPG, ANHYDROUS AMMONIA PROPYLENE AND ISOBUTANE SEMITRAILERS



## GENERAL SPECIFICATIONS

**LPG Semitrailers Mexico:** designed and manufactured in accordance with the Official Mexican Standard NOM-009-SESH-2011.

**Anhydrous ammonia and Propylene Semitrailers Mexico:** designed and manufactured in accordance with con la Official Mexican Standard NOM-057-SCT2/2003.

**LPG Semitrailers Export:** designed and manufactured in accordance with the ASME code section VIII, Div1; last edition.

**Anhydrous ammonia and Propylene Semitrailers Export:** designed and manufactured in accordance with the ASME code section VIII, Div1; last edition.

**Optional for export:** DOT MC- 331 (upon request).

## SPECIFICATIONS

Maximum allowable working pressure at 250 PSI for LPG and 265 PSI for anhydrous ammonia and propylene.

Hydrostatic test pressure of 1.3 times the design pressure.

Postweld heat- treated.

Conforms to applicable Mexican Norms NOM-035-SCT-2-2022 y NOM-012-SCT-2-2017

For LPG Semi-trailers Mexico: (1) manway entry 381 mm, Semitrailers according with NOM-057-SCT2/2003 and/or ASME code section VIII, Div1: (1) manway entry 406 mm diameter. Internal piping for vapor, filling and maximum filling.

# TECHNICAL DATA

## FITTINGS

Magnetel liquid level gauge.  
 1/2" x 6 Thermometer [-58° F to 122° F].  
 For LPG Semitrailers (1) 6 mm pressure gauge with 51 mm dial (0 a 21 kg/cm2),  
 for Ammonia /Propylene (1) 6 mm pressure gauge with 51 mm dial, (0 a 28 kg/cm2).

## OUTLETS

Two liquid outlets with 3 1/4" angle valves, excess flow valves, and ACME adapters.  
 One 3" liquid inlet with angle valve and back pressure check valve.  
 Two 3" threaded internal relief valves with rain caps.  
 One 2" vapor equalizing device with angle valves and excess flow valves.  
 Four fix liquid level gauge at 80%, 85%, 88% and 90%.

## EQUIPMENT

Base Set.  
 King pin plate.  
 2-speed landing gear.  
 Valve guard.  
 2" diameter hose with adapters and couplers for liquid service.  
 1 1/4" diameter hose with adapters and couplers for vapor service.  
 Rear wheel fenders (forward wheel fender optional).  
 Mud flaps.  
 Ladder.  
 Vapor proof electrical system.  
 Regulatory lights.

## SUSPENSION AND BRAKE SYSTEM

Fame suspension.  
 Hendrickson air suspension initrax model, with integrated axles.  
 Spring suspension with Sudisa Axles (optional).  
 24.5" Wheel rims.  
 Air brakes with Rotochamber ABS.  
 Quick connect glad-hands.  
 Radial Tires:  
 Tandem trailers with 8 tires.  
 Tridem trailers with 12 tires.

## ANTICORROSIVE PROTECTION SYSTEM

Abrasive blast cleaning to SSPC-SP10 / NACE 2 / ISO 8501-1 Sa 2 1/2 grade (near white).  
 High performance coating scheme consisting of a high solids corrosion resistant epoxy primer and a high gloss acrylic polyurethane finish with exceptional weather resistance characteristics. White color.

## ADDITIONAL EQUIPMENT

Dry connections.  
 Air suspension with liftable system for axle.  
 Valve enclosure.  
 Tool box.

## ADDITIONAL EQUIPMENT (SEMITRAILERS BY SPECS DOT, MC-331)

Remote cable controls for operating internal valves.  
 Remote emergency release cable control located at the front and rear of the unit for operating valves.  
 The excess flow valves are replaced with internal-style valves.

TATSA Corp. reserves the right to change the specifications without notification, specifications details and fittings are subject to changes according to the local conditions and government requirements.

NOMINAL CAPACITY		USE	MATERIAL	SUSPENSION TYPE	VESSEL OUTSIDE DIAMETER		VESSEL TOTAL LENGTH	
LITERS	GALLONS				METERS	INCHES	METERS	INCHES
24,000	6340	LPG	SA-612	AIR RIDE SUSPENSION	2.26	89	6.88	271
36,000	9510	LPG	SA-612	AIR RIDE SUSPENSION	2.26	89	9.93	391
37,000	9774	LPG	SA-612	AIR RIDE SUSPENSION	2.26	89	10.17	400 1/2
38,000	10039	LPG	SA-612	AIR RIDE SUSPENSION	2.26	89	10.46	412
38,000	10039	NH3	SA-612	AIR RIDE SUSPENSION	2.26	89	10.49	413
39,000	10303	LPG	SA-612	AIR RIDE SUSPENSION	2.26	89	10.72	422
40,000	10567	LPG	SA-612	AIR RIDE SUSPENSION	2.26	89	10.92	430
40,715	10,756	ISOBUTANE	SA-517	AIR RIDE SUSPENSION	2.26	89	11.10	437 1/4
41,500	10963	LPG	SA-612	AIR RIDE SUSPENSION	2.26	89	11.32	445 1/2
43,895	11,595	LPG	SA-517	AIR RIDE SUSPENSION	2.26	89	11.87	467 1/2
45,000	11888	LPG	SA-612	AIR RIDE SUSPENSION	2.26	89	12.18	479 5/8
45,500	12020	PROPYLEN	SA-612	AIR RIDE SUSPENSION	2.35	92.5	11.48	452
47,000	12416	LPG	SA-612	AIR RIDE SUSPENSION	2.26	89	12.79	503 5/8
50,500	13341	LPG	SA-612	AIR RIDE SUSPENSION	2.26	89	13.64	537
53,000	14001	LPG	SA-612	AIR RIDE SUSPENSION	2.34	92	13.38	526 7/8
54,000	14265	LPG	SA-612	AIR RIDE SUSPENSION	2.34	92	13.64	536 7/8
54,400	14371	LPG	SA-612	SPRING RIDE SUSPENSION				
54,400	14371	LPG	SA-612	AIR RIDE SUSPENSION	2.41	95	12.95	509 13/16
54,400	14371	LPG	SA-612	SPRING RIDE SUSPENSION				
55,000	14529	LPG	SA-612	AIR RIDE SUSPENSION	2.34	92	13.75	541 5/16
56,000	14794	LPG	SA-612/SA-517	SPRING RIDE SUSPENSION	2.45	96.5	12.86	506 1/4
60,300	15930	LPG	SA-612/SA-517	AIR RIDE SUSPENSION	2.54	100	12.95	510
60,300	15930	LPG	SA-612/SA-517	SPRING RIDE SUSPENSION				
63,000	16,643	LPG	SA-612/SA-517	AIR RIDE SUSPENSION	2.59	102	13.10	516