



SAILING VEHICLE

天津塞羚汽车有限公司 TIANJIN SAILING VEHICLE CO., LTD.

No.6975, Asia Road, Dongjiang Bonded Port Area, Tianjin City, China.

Tel: +86 17303276268

Web: www.sailingvehicle.com

61.9 CBM LPG Tank Semi-trailer Specification

Tank trailer specification			
1	Medium	LPG(Liquefied Petroleum Gas).	
2	Overall dimension	13600*2540*4000mm (L*W*H)	
3	Curb weight	14,000 KG	
5	Payload capacity	26,000 KG	
6	Design Speed	≤80 km/h	
7	Design Temperature	-40/50 °C	
8	Operating Temperature	-40~50 °C	
9	Design Pressure	1.61/-0.04 MPa	
10	Operating Pressure	≤1.60 MPa	
11	Weld Joint Efficiency	1.0	
12	Minimum Design Metal Temperature (MDMT)	-40 °C	
13	Corrosion Allowance	1.0 mm	
14	Rated Fill Ratio	0.95	
15	Filling Density per Unit Volume	420 kg/m ³	
16	Hydrostatic Test Pressure	2.1 MPa	
17	Leak Test Pressure	1.61 MPa	
18	Service life	10 years	
19	Fifth-wheel height	1350mm (Generally within 1250 - 1450 mm; precise dimensions required based on customer's truck head.)	
Tank body specification			
20	Tank shape	Cylinder-model and bullet-type design.	
21	Tank capacity	61.9 CBM	
22	Tank body material	WH590E	
23	End cover material	16MnDR	
24	Tank Design thickness	End cover	8 mm
		Tank body	11.5 mm
Tank parts specification			

Tianjin Sailing Vehicle Co., Ltd.
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25	Liquid level meter	Type		Rotary type
		Model		ZGM-25-2D
		Nominal pressure		PN2.5Mpa
		Surveying range		0~2512mm
		Precision		2.5Grade
26	Emergency cutting valve	Model	Gas phase	QGJ43F-2.5-8
			Liquid phase	QGJ43F-2.5-7
		Nominal pressure		PN2.5Mpa
		Nominal diameter	Gas phase	DN25mm
			Liquid phase	DN50mm
		Operation way		Mechanical
		Closing time		≤5 Sec
		Melting switch temperature		75±5°C
27	Safe valve	Model		A412F-2.5--16
		Type		Inner full lift
		Nominal pressure		PN2.5 MPa
		Nominal diameter		DN80mm
		Set pressure		1.72 MPa
		Re-seating pressure		≥1.55 MPa
		Rated relieving pressure		≤1.93 MPa
28	Inlet and outlet	Model	Gas phase	Q41F-25P-9B
			Liquid phase	Q41F-25P-8B
		Type		Quick tie-in
		Nominal Diameter	Gas phase	DN25mm
			Liquid phase	DN50mm
29	Explosion-proof pressure meter	Model		YTN-100T
		Type		Threaded connection
		Precision		1.6 grade
		Surveying range		0~4 Mpa
30	Thermometer	Model		WTQ-280
		Type		Threaded connection
		Precision		1.5 grade
		Surveying range		-50—80 °C

Trailer parts specification



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31	Axle	13T Brand TSV with ABS and automatic slack adjusters & 3 units. (BPW/Fuwa/L1 brands optional)	
32	Tire	12R22.5 & 12 units (Tubeless type). (Triangle/Doublecoin/Linglong/Chaoyang brands optional)	
33	Rim	9.00 & 12 units, high strength iron.	
34	King pin	50#(2") or 90# (3.5") , Standard bolt type & Brand JOST	
35	Landing gear	Capacity 28T, Brand JOST, Model A300C	
36	Suspension	Mechanical suspension,leaf springs,16mm*90mm*10pcs	
39	Ladder	1 unit	
41	Spare wheel carrier	2 units.	
42	Mud guard plate	Integrated design plate, carbon steel.	
43	Relay valve	Brand WABCO	
44	Reverse buzzer	1 unit.	
45	Electric system	24V, 7-pin socket, National standard.	
46	Lights	LED lights with protection. Side/rear/stop/indicator/parking/fog/reverse/clearance lights etc.	
47	Painting	Primer layer	One coat of anti-corrosive paint.
		Final coat	Two coats of finish paint.
		Color	As the customer's requirements.
48	Delivery	Spray wax before departure and cover with tarpaulin for protection	

Other equipment

- 1.Single tool box, maximum available size.
- 2.Single valve box, maximum available size.
- 3.Loading and unloading on left side.
- 4.Two sets of 8KG fire extinguishers with boxes.
- 5.One set of anti-static grounding strap.
- 6.All other necessary accessories.

Thanks for checking!

