

## 49.1CBM Liquid Ammonia Tank Specification

Tank trailer specification			
1	Medium	Liquid Ammonia.	
2	Overall dimension	12540x2500x3980 (L*W*H)	
3	Curb weight	13,977 KG	
4	Payload capacity	26,023 KG	
5	Design Speed	≤60 km/h	
6	Design Temperature	-40/50 °C	
7	Working Temperature	-40~50 °C	
8	Design Pressure	1.91 / -0.1 MPa	
9	Working Pressure	≤1.91MPa	
10	Weld Joint Efficiency	1.0	
11	Shell / Head Design Thickness	3.7mm / 6.15mm	
12	Corrosion Allowance	2.0 mm	
13	Filling Density per Unit Volume	530 kg/m <sup>3</sup>	
14	Service life	10 years	
15	Fifth-wheel height	1320mm (Generally within 1250 - 1450 mm; precise dimensions required based on customer's truck head.)	
Tank body specification			
16	Tank shape	Cylindrical round	
17	Tank capacity	49.1 CBM	
18	Tank body material	Q370R	
19	Tank Design thickness	End cover	8 mm
		Tank body	11.5 mm
Tank parts specification			
20	Liquid level meter	Type	Float Ball Type Level Gauge
		Model	UQZ-25P
		Nominal Pressure	2.5 MPa
		Surveying range	50~2340 mm
		Precision	2.5Grade



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.

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21	Emergency cutting valve	Model	Gas phase	QCJ43F-25-8	
			Liquid phase	QCJ43F-25-7	
		Nominal diameter	Gas phase	DN25mm	
			Liquid phase	DN50mm	
		Operation way			Mechanical
		Closing time			≤5 Sec
		Melting switch temperature			75±5°C
22	Safety valve	Type		Built-in Full Lift Type	
		Model		A412F-25-16	
		Nominal pressure		2.5 MPa	
		Nominal diameter		DN25mm	
		Safety Valve Set Pressure		2.05 MPa	
		Safety Valve Rated Discharge Pressure		≤ 2.29 MPa	
		Safety Valve Reseat Pressure		≥ 1.85 MPa	
		Valve Seat Throat Diameter		53 mm	
23	Pressure gauge	Type		YTN-100	
		Model		Threaded connection	
		Precision		1.6 grade	
		Surveying range		0~ 1.6 MPa	
24	Thermometer	Type		Industrial Temperature Gauge	
		Model		Threaded connection	
		Precision		1.5 grade	
		Surveying range		-50°C ~ +50°C	

## Trailer parts specification

25	Axle	13T Brand TSV with ABS and automatic slack adjusters & 3 units. (BPW/Fuwa/L1 brands optional)
26	Tire	12R22.5 & 12 units (Tubeless type). (Triangle/Doublecoin/Linglong/Chaoyang brands optional)
27	Rim	9.00 & 12 units, high strength iron.
28	King pin	50#(2") or 90# (3.5") , Standard bolt type & Brand JOST
29	Landing gear	Capacity 28T, Brand JOST, Model A300C
30	Suspension	Mechanical suspension, leaf springs, 16mm*90mm*10pcs
31	Ladder	1 unit
32	Spare wheel carrier	2 units.



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33	Mud guard plate		Integrated design plate, carbon steel.
34	Relay valve		Brand WABCO
35	Reverse buzzer		1 unit.
36	Electric system		24V, 7-pin socket, National standard.
37	Lights		LED lights with protection. Side/rear/stop/indicator/parking/fog/reverse/clearance lights etc.
38	Painting	Primer layer	One coat of anti-corrosive paint.
		Final coat	Two coats of finish paint.
		Color	As the customer's requirements.
39	Delivery		Spray wax before departure and cover with tarpaulin for protection.
<b>Other equipment</b>			
<ol style="list-style-type: none"> <li>1.Single tool box, maximum available size.</li> <li>2.Single valve box, maximum available size.</li> <li>3.Loading and unloading on left side.</li> <li>4.Two sets of 8KG fire extinguishers with boxes.</li> <li>5.One set of anti-static grounding strap.</li> <li>6.All other necessary accessories.</li> </ol>			

*Thank for checking!*

