

26CBM LOX Tank Semi-trailer Specification

Tank trailer specification			
1	Medium	LOX (Liquid Oxygen).	
2	Overall dimension	12090x2500x3385 (L*W*H)	
3	Curb weight	13,924 KG	
4	Payload capacity	26,676 KG	
5	Design Speed	≤80 km/h	
6	Design Temperature	-147 / 50 °C	
7	Working Temperature	-183~-147 °C	
8	Design Pressure (Inner Vessel / Outer Shell)	1.6 / -0.1~0.1 MPa	
9	Working Pressure (Inner Vessel / Outer Shell)	≤1.6 / -0.1 MPa	
10	Weld Joint Efficiency	1.0	
11	Corrosion Allowance	0 mm	
12	Rated Fill Ratio	0.90	
13	Filling Density per Unit Volume	1026 kg/m ³	
14	Insulation Type	High Vacuum Multi-layer Insulation	
15	Tank Gross Weight	8,678 kg	
16	Service life	10 years	
17	Fifth-wheel height	1320mm (Generally within 1250 - 1450 mm; precise dimensions required based on customer's truck head.)	
Tank body specification			
18	Tank shape	Cylindrical round	
19	Tank capacity	26 CBM	
20	Tank body material	S30408	
21	Outer shell material	Q345R	
22	Tank Design thickness	Inner vessel wall	9.83 mm
		Outer shell wall	3.67 mm
Tank parts specification			

Tianjin Sailing Vehicle Co., Ltd.
 天津塞羚汽车有限公司



SAILING VEHICLE

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23	Liquid level meter	Type		Combined differential pressure type
		Model		MZC-II A
		Nominal Pressure		4.0 MPa
		Surveying range		0~2500 mmWC
		Connection Type		Threaded
24	Emergency cutting valve	Model	Gas phase	DJQ-50D
			Liquid phase	DJQ-50D
		Nominal pressure		2.5 MPa
		Nominal diameter	Gas phase	50mm
			Liquid phase	50mm
		Operation way		Pneumatic (manual override)
		Closing time		≤5 Sec
Melting switch temperature		75±5°C		
25	Safety valve	Model		DAY-25
		Nominal pressure		4.0 MPa
		Nominal diameter		DN25mm
		Set pressure		1.4/1.5 MPa
		Re-seating pressure		≥1.26 MPa
		Rated relieving pressure		≤1.56 MPa
26	Pressure gauge	Model		YTN-100B
		Connection type		Threaded
		Precision		1.6 grade
		Surveying range		0~ 2.5 MPa
27	Thermometer	Type		Cryogenic Temperature Gauge
		Model		Threaded connection
		Precision		1.5 grade
		Surveying range		-196°C ~ +50°C

Trailer parts specification

28	Axle	13T Brand TSV with ABS and automatic slack adjusters & 3 units. (BPW/Fuwa/L1 brands optional)
29	Tire	12R22.5 & 12 units (Tubeless type). (Triangle/Doublecoin/Linglong/Chaoyang brands optional)
30	Rim	9.00 & 12 units, high strength iron.
31	King pin	50#(2") or 90#(3.5") , Standard bolt type & Brand JOST
32	Landing gear	Capacity 28T, Brand JOST, Model A300C



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33	Suspension		Mechanical suspension,leaf springs,16mm*90mm*10pcs
34	Ladder		1 unit
35	Spare wheel carrier		2 units.
36	Mud guard plate		Integrated design plate, carbon steel.
37	Relay valve		Brand WABCO
38	Reverse buzzer		1 unit.
39	Electric system		24V, 7-pin socket, National standard.
40	Lights		LED lights with protection. Side/rear/stop/indicator/parking/fog/reverse/clearance lights etc.
41	Painting	Primer layer	One coat of anti-corrosive paint.
		Final coat	Two coats of finish paint.
		Color	As the customer's requirements.
42	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.

Thank for checking!

