

52.6CBM LNG Tank Semi-trailer Specification

Tank trailer specification			
1	Medium	LNG (Liquefied Natural Gas).	
2	Overall dimension	13000x2500x3920 (L*W*H)	
3	Curb weight	15,400 KG	
4	Payload capacity	24,600 KG	
5	Design Speed	≤80 km/h	
6	Design Temperature	-20~50 °C	
7	Working Temperature	-50 °C	
8	Design Pressure (Inner Vessel / Outer Shell)	0.65 / -0.1~0.2 MPa	
9	Working Pressure (Inner Vessel / Outer Shell)	0.60 / -0.1 MPa	
10	Weld Joint Efficiency	1.0	
11	Shell / Head Design Thickness	3.7mm / 6.15mm	
12	Corrosion Allowance	0 mm	
13	Rated Fill Ratio	0.90	
14	Filling Density per Unit Volume	467.7 kg/m ³	
15	Insulation Type	High Vacuum Multi-layer Insulation	
16	Tank Gross Weight	10,625 kg	
17	Service life	10 years	
18	Fifth-wheel height	1350mm (Generally within 1250 - 1450 mm; precise dimensions required based on customer's truck head.)	
Tank body specification			
19	Tank shape	Cylindrical round	
20	Tank capacity	52.6 CBM	
21	Tank body material	S30408	
22	Outer shell material	S30408III	
23	Tank Design thickness	Inner vessel wall	5.6 mm
		Outer shell wall	6.15 mm

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



SAILING VEHICLE

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Tank parts specification

24	Liquid level meter	Type	Combined differential pressure type	
		Model	WIKAI	
		Nominal Pressure	4.0 MPa	
		Surveying range	0~1500 mmWCmm	
		Precision	2.5Grade	
		Connection Type	Threaded	
25	Emergency cutting valve	Model	Gas phase	DJQ-40
			Liquid phase	DJQ-50
		Nominal pressure	2.5 MPa	
		Nominal diameter	Gas phase	DN40mm
			Liquid phase	DN50mm
		Operation way	Pneumatic (manual override)	
		Closing time	≤5 Sec	
		Melting switch temperature	75±5°C	
26	Safety valve	Type	Spring-loaded full lift	
		Model	DAY-25	
		Nominal pressure	4.0 MPa	
		Nominal diameter	DN25mm	
		Set pressure	0.70 MPa	
		Re-seating pressure	0.63 MPa	
		Rated relieving pressure	≤0.78 MPa	
27	Flame Arrester	Model	DGZ-40	
		Nominal Pressure	4.0 MPa	
		Nominal Size	DN40	
		Connection Type	Welded	
28	Pressure gauge	Type	YTN-100	
		Model	Threaded connection	
		Precision	1.6 grade	
		Surveying range	0~ 1.6 MPa	
29	Thermometer	Type	Cryogenic Temperature Gauge	
		Model	Threaded connection	
		Precision	1.5 grade	



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		Surveying range	-196℃ ~ +50℃
Trailer parts specification			
30	Axle	13T Brand TSV with ABS and automatic slack adjusters & 3 units. (BPW/Fuwa/L1 brands optional)	
31	Tire	12R22.5 & 12 units (Tubeless type). (Triangle/Doublecoin/Linglong/Chaoyang brands optional)	
32	Rim	9.00 & 12 units, high strength iron.	
33	King pin	50#(2") or 90# (3.5") , Standard bolt type & Brand JOST	
34	Landing gear	Capacity 28T, Brand JOST, Model A300C	
35	Suspension	Mechanical suspension,leaf springs,16mm*90mm*10pcs	
36	Ladder	1 unit	
37	Spare wheel carrier	2 units.	
38	Mud guard plate	Integrated design plate, carbon steel.	
39	Relay valve	Brand WABCO	
40	Reverse buzzer	1 unit.	
41	Electric system	24V, 7-pin socket, National standard.	
42	Lights	LED lights with protection. Side/rear/stop/indicator/parking/fog/reverse/clearance lights etc.	
43	Painting	Primer layer	One coat of anti-corrosive paint.
		Final coat	Two coats of finish paint.
		Color	As the customer's requirements.
44	Delivery	Spray wax before departure and cover with tarpaulin for protection.	
Other equipment			
<ol style="list-style-type: none"> 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!

