



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

28.43CBM LCO2 Tank Semi-trailer Specification

Tank trailer specification			
1	Medium	CO2 (Liquefied Carbon Dioxide).	
2	Overall dimension	13410x2500x3610mm (L*W*H)	
3	Curb weight	12,368 KG	
4	Payload capacity	27,632 KG	
5	Design Speed	≤80 km/h	
6	Design Temperature	-15 °C	
7	Working Temperature	-35~-15 °C	
8	Design Pressure	2.2 MPa	
9	Working Pressure	1.5~2.2 MPa	
10	Weld Joint Efficiency	1.0	
11	Shell / Head Design Thickness	11 mm / 8 mm	
12	Corrosion Allowance	1 mm	
13	Rated Fill Ratio	0.90	
14	Filling Density per Unit Volume	972 kg/m ³	
15	Insulation Type	Polyurethane Foam Insulation	
16	Tank Gross Weight	6,050 kg	
17	Service life	15 years	
18	Fifth-wheel height	1290mm (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	28.43 CBM	
21	Tank body material	16MnDR	
22	Tank Design thickness	Shell wall	11 mm
		Head wall	8 mm
Tank parts specification			
23	Liquid level meter	Type	Double Bellows Differential Pressure type
		Model	MZC-II

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		Nominal Pressure		4.0 MPa
		Surveying range		0~2000 mmWC
		Connection Type		Threaded
24	Loading/Unloading valve	Model	Gas phase	DJS-50A
			Liquid phase	DJS-65E
		Nominal pressure		4.0 MPa
		Nominal diameter	Gas phase	50mm
			Liquid phase	65mm
		Operation way		Manual
25	Safety valve	Model		DAY-25
		Nominal pressure		4.0 MPa
		Nominal diameter		DN25mm
		Set pressure		2.40 MPa
		Re-seating pressure		≥2.15 MPa
		Rated relieving pressure		≤2.64 MPa
26	Pressure gauge	Model		YTN-100
		Connection type		Threaded connection
		Precision		1.6 grade
		Surveying range		0~ 4.0 MPa
27	Thermometer	Type		Cryogenic Temperature Gauge
		Model		Threaded connection
		Precision		1.5 grade
		Surveying range		-196℃ ~ +50℃

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
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.



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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			
<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!

