



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

57.3 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 | | | |

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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!

