



Technical parameters of hydraulic trailers(3000 series)

1. Accessories along with the trailers.

- 1.1 Various connection parts, hydraulic pipeline, air pipeline for different configuration.
- 1.2 Tools for axles and tires 2sets
- 1.3. Inspection report 1 set
- 1.4 Operation/Maintenance Manual (soft copy) 1 set/1 set
- 1.5 Spare parts manual (soft copy) 1 set/1 set
- 1.6 Product Certificate 1set

2. Main technical parameters:

- 2.1 Wheelbase (mm) 1550
- 2.2 Quantity of tires 08 tires / axle
- 2.3 Tire specification 215/75R17.5
- 2.4 Rim specification 6.00 – 17.5 (10 holes)
- 2.5 Approach angle (degree) 25°
- 2.6 Departure angle (degree) 30°
- 2.7 Width of Platform (mm) 2990
- 2.8 Height of platform (mm) 1075+ 300
-300
- 2.9 Height of draw rack (mm)
(platform 1075mm) 775
- 2.10 Steering Mechanism Full hydraulic trail steering
- 2.11 Suspension Hydraulic Suspension
- 2.12 Support mode of platform 3 points.
- 2.13 Brake system Dual pipeline control,
- 2.14 Frame Flatbed
- 2.15 Module speed (without load) (km/h) 80
- 2.16 Loading ability (tons/axle line) 22.5T 18T 15T
5 Km/h 18Km/h 40Km/h
- 2.17 Total suspension stroke (mm) 600
- 2.18 Maximum steering angle of first wheel 55°.

3. Power pack Configuration:

- 295P type
- Power within 12h 14.1kw
- Nmax = 1500rpm
- Fuel consumption <195 g/HPh
- Rate of steady regulating speed <5%



4. Main parts of hydraulic trailer:

Material	Frame:HG60(>600N/mm2,δb>60kg/mm2)
Axle	X.E.D(China)/BPW tech
Tier spec	215/75R17.5(Double coin)
Rim spec	6.00-17.5(Zenix)
Suspension Cylinder	J.H.(China)
Hydraulic sealing parts	PARKER(USA)/NOK
Steering Cylinder	J.H.(China)
Joints Multi Way Valve	Bondiolo & pavesi (Italy)
Stop valve	Inteva(Spain)
Coupling	Inteva(Spain)

5. Main Qualities:

5.1 Main Frame adopts HG60 (>620N/mm2,δs>62kg/mm2) steel, high box shape, high strength, not easy to deformation, good ability for concentrated loading

5.2 The connecting between unit module and unit module is multiple plates. The advantage as follows:

- a. High connecting strength, not easy to break
- b. Convenient combine, shorter combine time.

5.3 Suspension frame and balance arm is welding structure, high strength, and delight appearance.

5.4 Steering system

- a. Double longitude rod can reduce the swing when in the transportation, less force on the rod, not easy to break. Meanwhile, less force against the steering handles, so steering handles is not easy to drop off.
- b. Steering rod system was optimized by computer, less steering error.
- c. Length of lateral rod is fixed, easy to exchange.
- d. Multiple holes steering pad ensure change steering pad is unnecessary when combine or adding module.



- 5.5 Hydraulic trailer and air pipeline adopts swift joint, combine is swift, large operation space, easy operation.
- 5.6 Hydraulic suspension adopt pull cylinder technology, high strengthen, cylinder connecting and cylinder imported from overseas famous company.
- 5.7 All the stop valve, sealing parts imported from European country or American
- 5.8 Hydraulic suspension system adopts dual pipes, ensure the security transportation
- 5.9 Every trailer main beam contains one hydraulic oil cylinder and one set steering oil cylinder, each oil cylinder has independent inlet and outlet oil joint, can greatly increase the convenience of combination.
- 5.10 Maximum steering angle 55 degree, small steering radius.

6. after sales technical service

6.1 Technical training.

- a) At the first time of assembly and commissioning, we will arrange the trainee to participate, make them be familiar with the basic structure and assembly process, understand the location and functions of control handle, meters and various switches, understand various failure and corresponding solving measures. Under the guidance of our technician, the trainee operate the trailer themselves, to know well about the various functions of the trailer.
- b) After the trailer arrive on site, we will send our technician to the client, to supply the technical training to the operation persons. The main course will include illustration of the basic structure, hydraulic system, brake system and other parts of the trailer; refer to the corresponding chapter of the operation manual, to introduce the operation steps, noted items, security regulations, diagnosis and examination of failures.

6.2 Technical service

- a) As per the actual operation of the trailer, we will produce spare parts to guarantee that the supply of parts and components will be sufficient and in time.
- b) At the course of overhaul and maintenance, we will give the client preference for procure the spare parts both on price and delivery.
- c) Once failure happens, no matter what reasons, if client need, we will send technician to the site as soon as possible to assist to deal with the failure.



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7. Quality Guarantee:

The quality guarantee period: 12months (The warranty period of vehicle frame is 24months under the condition of normal use)

The fabrication and application of trailer complies with related national standard, it is of high strength, high performance of shockproof, high precision; it is of high stability in both cool and warm condition.

Fabrication Standard of hydraulic multi-axle trailer:

Hydraulic System General Technical Condition GB 3766-83

Steel Structure Design Code GB50017-2003

Steel Structure Construction & Inspection Code GB50205-95

Steel Structure Welding Joint Dimension GB10854-89

Installation Engineering Construction and Inspection Code of Electric Installation GBJ232-82

Low Voltage Appliance Basic Standard GB1497-85

Series hydraulic multi-axle trailer Q/BMT002-2006