宏泰 专汽

河北宏泰专用汽车有限公司

HEBEI HONGTAI SPECIAL TRUCK CO.,LTD

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PRODUCT
MANUAL

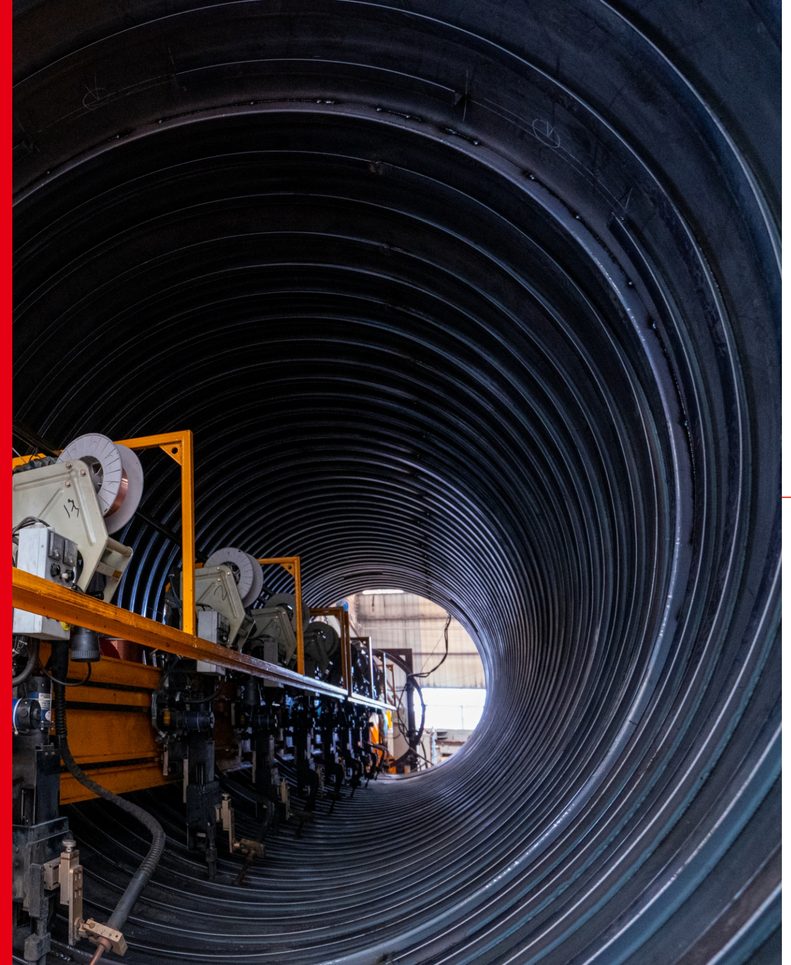
产品手册

河北宏泰专用汽车有限公司

HEBEI HONGTAI SPECIAL TRUCK CO.,LTD



志在全球 广行天下



catalogue

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Enterprise profile

Hongtai Group ,founded in 2005, is a large-scale manufacturer with business scope of covering trailers producing, manufacturing , domestic sales and oversea sales. The Head office, located at Huanghua city, hebei provice is composed of Hebei Hongtai Special Truck Co.,Ltd. Ningxia Huatai Special Truck Co.,Ltd. Sichuan Hongtai Panda Special Truck Manufacturing Co.,Ltd. Zhengkang Real Estate Development Co., Ltd. Guangtong Automobile trading Co.,Ltd. Cheyou Auto Parts Co.,Ltd. Steel trading Co.,Ltd. And many other branches. Hongtai group has total assets of four billion, covering an area of 2000 Chinese acres and 2500 employees.

Hongtai group has thirteen categories products including liquid tank trailer, pressure-bearing tank trialer, mixer truck, cement tank trialer, ISO tank container, dump truck, general semi trailers (including: skeleton,railing,flatbed,low flat-bed,van,van wingspan, etc.) nearly more than 100 varieties. Annual production capacity of 20,000 units, of which liquid transport semi-trailer ranks NO. one in the country for 12 consecutive years. Hongtai trailers sold well in nearly 30 provincial administrative regions, and exported to Europe, South America, Africa and some countries in Central Asia.

We have adopted advanced and developed equipment for production, for example large laser plate cutting machine, large laser profile cutting machine, thousand ton dish head pressing machine, CNC plate welding machine, CNC four-roll plate coiling machine, CNC baffle assembling machine, etc. We have adopted advanced robot automatic welding line, assembling line and automatic painting production line for all trailers with sand blasting.

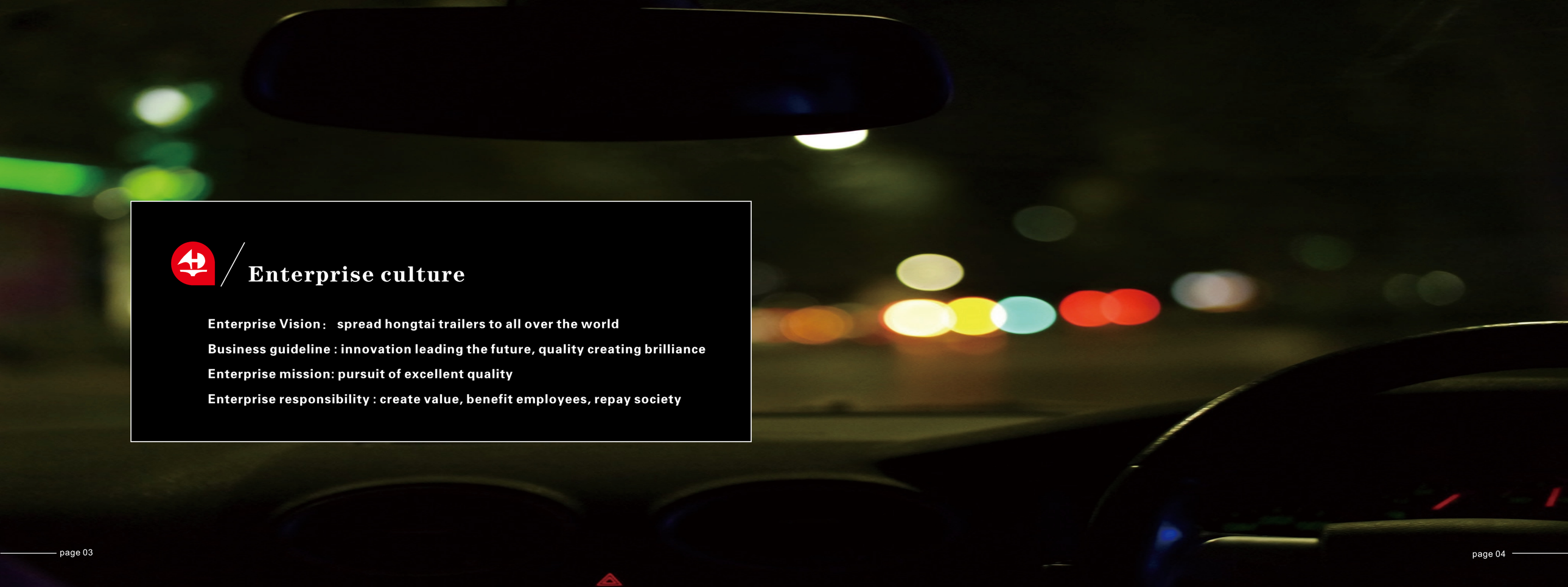
Hongtai group has been certified with ISO 9001-2005 quality management system , ISO 14001:2015 national environment management system, BS OHSAS 18001:2007 National Occupational Health and safety management system, national CQC product compulsory certification, china classification society, IATF 16949:2016 and ASME certificate. The group is approved with special truck manufacturing with the industrial product production license issued by the State Administration of Quality Supervision and Inspection, with the pressure vessel design (A1A2C2) manufacturing (A2C2) qualification, but also obtained the national vehicle export qualification and foreign trade rights.

The group obtained the following honors: hebei province key enterprise, hebei province high-tech enterprise, hebei province famous trademark enterprise, provincial characteristic industry leading enterprise, individual champion enterprise, Top 100 strategic emerging industry, Top 100 Private Enterprise Social responsibility, etc. It was rated as "China special vehicle outstanding automobile enterprise", "the most valuable special vehicle brand in the Chinese business community", "Made in China invisible champion selected enterprises", "China Manufacturing champion", "Zhengkang Hongtai" brand was rated as "Hebei Province famous brand", semi-trailer products were rated as "Hebei Province quality products".

The company established a sales service network covering the whole country, uphold customer-centric, pay attention to customer needs, to provide customers with high quality products, create higher operating value for customers. We have set up more than 100 after-sales service organizations in China, adhere to the service-oriented, and take the lead in the industry to put forward the slogan of "Hongtai Automobile Warranty for three years", to provide customers with 24 hours convenient service anytime and anywhere.

Hongtai group has always been keeping faith of the “people-oriented,service-supreme” business philosophy, persevere in chasing the dream with the concept of “innovation leading the future, quality creating brilliance” .





Enterprise culture

Enterprise Vision： spread hongtai trailers to all over the world

Business guideline : innovation leading the future, quality creating brilliance

Enterprise mission: pursuit of excellent quality

Enterprise responsibility : create value, benefit employees, repay society

Advanced equipment









Hebei Hongtai Special truck Co., Ltd. always adhere to the concept of "win the market with sincerity, towards to the world with quality", take the road of scientific and technological innovation, take more efforts to science and technology, fine development, continue to extend the industrial chain, research and development of high-end products, increase the gold content of products, improve the added value of products.

large laser plate cutting machine, large laser profile cutting machine, thousand ton dish head pressing machine, CNC plate welding machine, CNC four-roll plate coiling machine, CNC baffle assembling machine, robot automatic welding, automatic painting line, assembling line and other modern equipment to guarantee the quality.










Enterprise honor

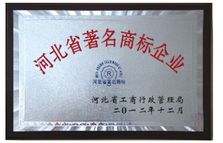
Honor shows strength, awards witness development. Hongtai special truck Co., Ltd. won various of honors, certifications, titles over the years which format hongtai honor culture after Long-term accumulation. Honor culture is like a golden thread, connecting pearls scattered in different time and space of the company, embellishing them into works of art and enriching the connotation of the enterprise. Enterprise competition needs to build the enterprise brand, brand is the golden sign, and honor for the enterprise brand provides a substantial basis. Honor is a symbol of social credibility, is a reflection of the strength of the enterprise. Any laurels of honor are woven with thorns. Behind honor is wisdom, pursuit, persistence, dedication, hard work and sweat. Bear an honor, bear hundreds of responsibilities. Hongtai gathers strength through the construction of honor culture to pursue the dream and sail away.























Liquid tank trailer introduction

Market shares of liquid tank trailers ranks number one in 12 consecutiveyears. Service stations covers 30 provinces, cities and regions to provide 24 hours service for all trailers problems.

Hongtai tank trailers have different materials like carbon steel, stainless steel, aluminum , pure aluminum etc with heat insulation, plastic lining and other techniques. All tank trailers are designed to carry oil, flammable liquid, corrosive liquid, chemical liquid, oxidizing product, bitumen, lubricant oil, cooking oil, liquid food, regular liquid and others.

Hongtai liquid tank trailer, quality comes first.

Top quality: muti-select to make sure the tank profile from first-class supplier with high quality;

Inspection: inspection: from production to inspection through twenty-three work steps to guarantee the trailer structure stability and high configuration;

Three features: light weight design, reasonable structure, customized capacity;



Aluminum liquid tank trailer

Hongtai aluminum tank trailer qualify comes first. Hongtai aluminum tank trailers sales rank number one for many years and designed for carrying diesel, petrol, crude oil, methanol , chemical liquid and others;

① Safety: good quality tank barrel, high tank strength, better brake system, safety system ranks number one;

② light-weight design: optimize landing gear, air tank, tyre rim, axle, suspension to lower the curb weight 685kg on top;

③Economical and practical: fuel efficiency, light weight, low fuel consumption when empty load, less vehicle emissions, less pollution; effective loading increase the economic benefit;

④ Wide scope application: for petrol, diesel, crude oil, methanol, ethanol, jet fuel, fuel oil, chemical white oil, light naphtha, cooking oil, plant oil, bitumen, benzene, methyl benzene , xylene , etc.

Main parameter

Mode l	Overalldimension (mm)	Tank barrel size (mm)	Axle	Payload (T)	Curb weight (T)	Capacity m^3	Others
HHT9402GRYE Aluminum flammable tank trailer	11950/2500/3950 12250/2500/3950	11450/2432/2432	3	34/34. 15/33. 75	6/5. 85/6. 25	49	Goose-neck type Air suspension
HHT9405GYYB Aluminum liquid tank trailer	11650/2540/3900	11100/2540/2250	3	34/34. 15/33. 7	6/5. 85/6. 3	48	Goose-neck type Air suspension
HHT9406GPG Liquid tank trailer	11500/2500/3950	11000/2350/2350	3	33. 6/33. 9	6. 4/6. 1	43. 55	Goose-neck type Leaf spring suspension





Tank barrel is double-layer heat insulation structure, glass fiber heat insulation with thickness 50mm; the outer jacket has stainless steel sheet, galvanized sheet, steel sheet. Heating insulation has bandage type or riveting type.

Main parameter

Model	Overalldimension (mm)	Tank barrel size (mm)	Axle	Payload (T)	Curb weight (T)	Capacity m^3	Others
HHT9403GRYD Aluminum flammable tank trailer (heat insulation)	11500/2535/3950	10900/2435/2150 , 2250	3	33. 5/34	6. 5/6	42. 8	Goose-neck type Air suspension
HHT9401GRYE Aluminum flammable tank trailer (heat insulation)	12350/2500/3990 12500/2500/3990	11700/2400/2400	3	33/33. 5	7/6. 5	48. 77	Goose-neck type Air suspension With beam or without beam,

Steel tank trailer

Steel tank trailer is made of high quality carbon steel and use advanced welding technique to guarantee the strong welding. Tank shape has many choices based on the clients' requirement like round shape, oval shape and rectangle shape, etc. Tank barrel and accessories will be treated with sand blasting for better painting and shiny surface.

①High quality material: use high quality carbon steel according to national standard;

②Safety stability: adopt advanced welding technique to strengthen welding and beautify the outlook;

③Durable service: sand blasting treatment after welding to remove the rust, then paint to make the tank trailer anti-corrosive and durable.











Main parameter

Model	Overall dimension (mm)	Tank barrel size (mm)	Axle	Payload (T)	Curb weight (T)	Capacity (m^3)	Others
HHT9405GRYF Flammable tank trailer (heat insulation)	12385/2500/3970 12220/2500/3970 12445/2500/3970 12280/2500/3970	11870/2310/2310	3	32/32.2	8/7.8	46.34	Goose-neck type Air suspension With beam
HHT9402GRYF Flammable tank trailer (heat insulation)	11180/2500/3970 11035/2500/3970	10280/2270/2270	3	31.85/32.3	8.15/7.7	38	Goose-neck type Air suspension With beam
HHT9404GPG Liquid tank trailer, (heat insulation)	10300/2350/3850	9400/2530/2100	3	31.8/32.3	8.2/7.7	36.6	Goose-neck type Leaf spring suspension
HHT9401GRYF Flammable tank trailer (heat insulation)	10300/2550/3900	9440/2390/2180	3	31.5/32	8.5/8	39.78	Goose-neck type Air suspension

Stainless steel tank trailer

Stainless Steel tank trailer is made of high quality stainless steel and use advanced welding technique to guarantee the strong welding. Tank shape has many choices based on the clients' requirement like round shape, oval shape and rectangleshape,etc.Tankbarrelandaccessorieswillbetreatedwithsandblastingforbetterpaintingandshinysurface.

①High quality material: use high quality stainless steel material based on national standard;

②Optimize the structure: optimize the structure based on the finite element analysis to lower the welding quantity for better stress concentration to avoid the deformation.

③Safety stability : lower the center of the gravity to guarantee the vehicle stability;

Main parameter

Model	Overalldimension (mm)	Tank barrel size (mm)	Axle	Payload (T)	Curb weight (T)	Capacity (m^3)	Others
HHT9405GFWA Corrosive tank trailer	10000/2500/3600 10130/2500/3600	9600/1900/1900	3	33.6/34	6.4/6	26	Goose-neck type Air suspension With beam
HHT9402GFWB Corrosive tank trailer	11210/2500/3950 11080/2500/3950	10500/2310/2310	3	33/33.4	7/6.6	38.5	Goose-neck type Air suspension With beam
HHT9403GRYF Flammable tank trailer	12320/2500/3850 12180/2500/3850	11870/2310/2310	3	32.5/33	7.5/7	46	Goose-neck type Air suspension With beam
HHT9403GFWA Corrosive tank trailer	10000/2500/3600	9600/1900/1900	3	32.2/32.7	7.8/7.3	26.6	Straight neck Air suspension



High pressure-resistant: use oval dish head to enhance the tank barrel compressive strength, less the wind resistance, economical;

Angle of inclination design: to speed up the unloading, less liquid residual;

Light weight design: curb weight is 200kgs less than other products, it’s much lighter and economical;











Plastic lining tank trailer

Steel tank trailer with plastic lining is composed of steel sheet, mesh and PE, the plastic lining thickness reaches 15–20mm. The plastic lining is not easy to peel off and crack , which has both strength and pressure resistance like steel tank and nature of plastic products. The plastic lining has long working life with safety, high efficiency and low cost. The plastic lining surface is plat, smooth and strong without leakage, poison, has advantages of aging resistance, compact resistance , anti–corrosion , long service life, etc.





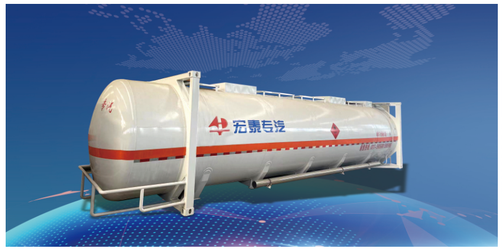
Main parameter

Model	Overall dimension (mm)	Tank barrel size (mm)	Axle	Payload (T)	Curb weight (T)	Capacity (m^3)	Others
HHT9401GFWB Corrosive tank trailer	10680/2500/3800 10580/2500/3800	10130/2110/2110	3	31.5/31.8	8.5/8.2	28.5	Goose-neck type Air suspension
HHT9405GFW Corrosive tank trailer	10500/2500/3900	10000/2110/2110	3	30/30.8	10/9.2	29.56	Straight neck Air suspension



ISO Tank Container

The ISO Tank Container production is supported by national policy with convenient transportation. The specification is different according the chassis length , 45FT, 40FT, 30FT and 20 FT, etc. The container can be heat insulation type or non –heat insulation based on the liquid carrying.







Pressure Vessel Introduction

Hongtai company is certified with pressure vessel design and manufacture (A1A2C2, A2 C2) . The pressure tank trailer has features of light weight,safety and durability,easy to use and widely used for carrying cryogenic liquid and cryogenic gas and others.

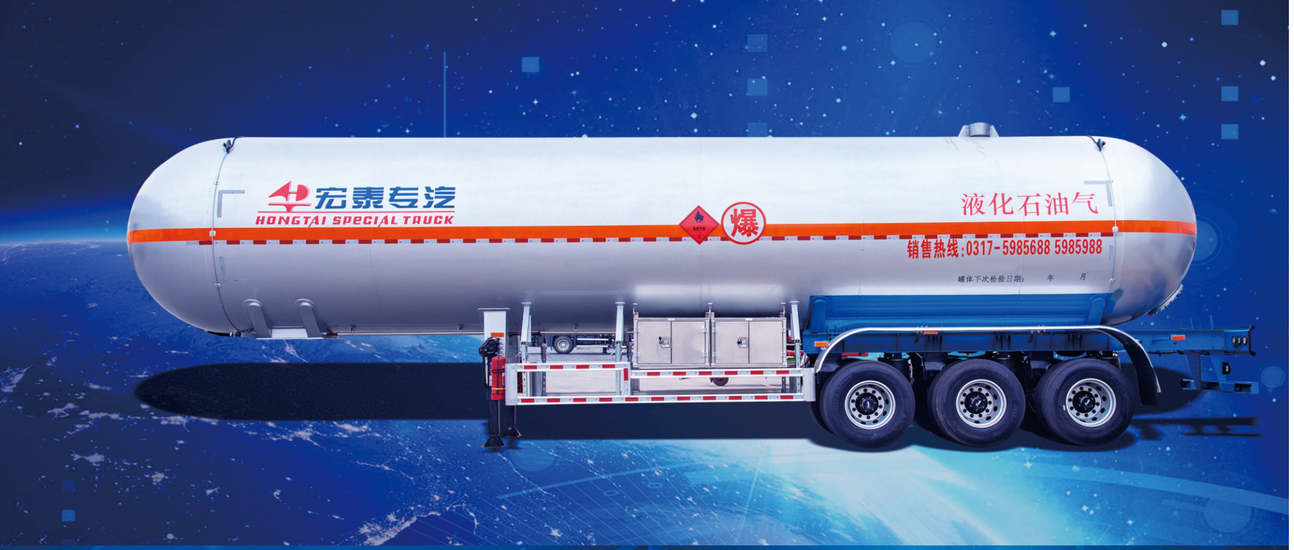
Light weight: assemble the reinforcing ring inside (outside reinforcing ring is optional), highstrength steel shell design, large volume,minimize the sandwich layer space to increase the inner tank volume;

Safety and reliability: adopt high-vacuum muti-layer winding insulation technology to guarantee the pressure stability during the long-term transportation;

Full variety: be suitable for cryogenic liquid and cryogenic industrial gas transportation mainly including natural gas, liquid petrol gas,ammonia,liquid oxygen,liquid argon,carbon dioxide,propylene,ethylene oxide,isobutane ,etc.;

Easy to use: simple structure,less pipeline ,easy to operate and repair;









Main parameter

Model	Overall dimension (mm)	Tank barrel size (mm)	Axle	Payload (T)	Curb weight (T)	Capacity (㎥)	Others
HHT940 3 GDY Cryogenic liquid tank trailer (Ethane , ethylene)	12965/2500/3980 12965/2500/3870	12699/2500/2500	3	24.8	15.2	52.6	Straight neck Air suspension
HHT940 6 GDY Cryogenic liquid tank trailer (Liquid oxygen)	12564/2500/3400	11021/1763/1763	3	27.705	12.3	26.5	Straight neck Air suspension
HHT940 9 GYQ Liquefied gas tank trailer (LPG)	13500/2550/4000	13151/2533/2533	3	25.502	14.5	60.72	Straight neck Air suspension
HHT940 0 GYQA Propylene	13315/2550/4000	13010/2525/2525	3	25.585	14.42	59.5	Straight neck Air suspension
HHT940 6 GRYE Flammable liquid tank trailer (Epoxide propylene)	11500/2500/4000 11850/2500/3900	11142/2190/2190	3	30	10	40	Straight neck Air suspension
HHT9402GDY Frozen liquefied gas tank trailer (LNG)	12965/2500/3980	12699/2492/2492	3	24.6	15.4	52.6	Straight neck Air suspension
HHT9404GDY Carbon dioxide tank trailer	13200/2500/3700	11766/1850/1850	3	27.41	12.59	29.8	Straight neck Air suspension
HHT9407GYQ Liquefied gas tank trailer (Liquid ammonia)	13260/2550/3800	12960/2270/2270	3	25.97	14.03	49	Straight neck Air suspension

General cargo semi trailer introduction

Hongtai company has three semi-trailer production bases in China, which makes it more convenient for customers in Hebei,Ningxia and Sichuan to get the trailers.

Hongtai trailers have a complete range covering the stake semi trailer, fence,skeleton, low-bed trailer ,van,dumping trailer and other categories;

Hongtai trailers are rich in types from extra light to super heavy, from ordinary steel to high strength steel,to provide customers with a comprehensive choice;

Stake semi trailer

①Light weight design: beam with profile hole design, aluminum made side guard, tool box, landing gear and air tank to lower the weight;

②Rich in types: straight beam or goose neck type, different sizes and cargo height is available , different doors structure and locks types are optional to satisfy clients;

③Durability: main beam is made by high-strength steel, side beam holes are cut by CNC to enhance the strengthen and release the stress, increase the beam strength and distortion-resistance, extend the service life;

④Effective water-proof: bottom beam with steel channel 14# and 12# water-proof edge is optional for the side beam, better sealing after door closing, effective waterproof .







Model	Overall dimension (mm)			Curb weight(T)	Payload(T)
HHT9406CS	13/12.5/12	2.5/2.55	3.1/3.3/3.5/3.7/3.9	6.5	33.5
HHT9407CS	13/12.5/12	2.5/2.55	3.35/3.55/3.75/3.95	6/6.6	33.4/34
HHT9406CCY	10/9.5/9	2.55/2.5	3.75/3.55/3.35	5.35/5.5/5.65	34.35/34.5/34.65
HHT9407CCY	13/12.5/12	2.55/2.5	3.76/3.56/3.36/3.16	5.2/5.45/5.7	34.3/34.55/34.8

Skeleton Semi Trailer

Tanks, mainly for logistic system of vessel, port, ship route, road, transfer station, bridge, tunnel or multi-modal transportation, etc.

①Strong bearing: use high-strength steel , whole steel plate cutting, integrated molding, high strength, light weight, high payload, long work life;

②Lower gravity: goose neck structure design, lower gravity of the loading platform to make the trailer stable and avoid the risk when high speed turn or meet any emergency

③Intelligent manufacturing" technology: with automatic production equipment, fully promote welding, cutting, painting and inspecting skills, highly improve the trailer accuracy and quality ;

④Light weight design: chassis designed with carbon steel or high tensile steel, side guard, tool box, landing gear, mud guard and air tank design with aluminum to lower the curb weight;

⑤Complete range of specifications: covering 20feet, 30 feet, 40 feet, 45feet for hazardous goods tank container or regular tank container;

Skeleton semi trailer parameter

Model	Overall dimension (mm)			Curb weight(T)	Payload(T)
HHT9401TWY	9.3/10.35/11.2	2.55	1.41/4.43	4.55/5	35.45/35
HHT9402TWY	8.5	2.495/2.55	1.45	4.8/4.4	35.2/35.6
HHT9403TWY	13/12.3	2.55/2.495	1.565/1.515/1.45/1.4	4.5/4.9	35.1/35.5





Dumping semi trailer

Hongtai dumping semi trailer has goose-neck type and straight beam type with two axles or three axles, side dumping or rear dumping. Hydraulic system is famous brand HYVA.Dumping semi trailer is designed with huge-rear dumping angle to satisfy different cargo transportation. Large section chassis longitudinal beam is more suitable for different road conditions.

Dumping semi trailer parameter

Model	Overalldimension (mm)	Curb weight (T)	Payload (T)
HHT9400ZLB	13/12.5/12*2.55/2.5*3.7/ 3.4/3.1/2.8/2.5	33.2/33.5	6.8/6.5
HHT9400ZHX	9/8.7/8.2*2.55/2.5*3.8/ 3.7/3.6/3.5/3.4/3.3/3.2	32.2/32.7/32.9	7.8/7.3/7.1
HHT9401ZHX	10.2/9.7/9.5/9.2*2.55/ 2.5*3.8/3.7/3.6/3.5/ 3.4/3.3/3.2	31.4/31.8/32.15	8.6/8.2/7.85



Concrete mixer truck introduction

Zhengkang hongtai mixer trucks are widely used for transportation, construction,chemical industry,power,metallurgy, mining and other industrial area, which is top choice for construction industry.

Mixer truck adopts international standard process design,tank barrel follows the popular style of Europe,the vehicle shape is unique and beautiful, structure is reasonable .

The tank material is made of high quality steel with laser CNC cutting machine,special splice welding machine,barrel five-gun welding equipment to ensure manufacturing accuracy and weld strength of components.Sub-frame assembly adopts robot automatic welding to ensure welding strength.Structural parts adopt shot peening pre-treatment technology to effectively ensure the quality of the whole vehicle.Modular product structure,assembling line,fully ensure the consistency of batch product quality.

Reasonable assembling processing,strict quality control system,automatic inspection line provides safety and reliability for the vehicle;

Zhengkang Hongtai mixer trucks have five features of high configuration,big volume,less residual ,energy conservation and safer;

High configuration: reducer,pump,motor brand are famous with imported hydraulic system

Big volume: 16cbm is available

Less residual: mixer tank spiral design, blade molding, equipped with high quality air compressor ,large volume water tank,discharge residual rate is much lower than the average level of the industry;

Energy conservation: adopt power system to save fuel,good fuel atomization,high combustion efficiency;light weight,low energy consumption design,fuel saving;

Safer: small dumping angle,low mounted center of gravity,effectively reduce the probability of rollover,safe driving;





Main parameter

Product :	concrete mixer truck:
Overall dimensions (L*W*H)mm	9900,10100,10200x2530x3995
Curb weight:	13650kg/13810kg/13980kg
Model :	HOWO TX5/Sintruck G5/FAW
Engine power (kw):	WP8.350E61/257KW
Emission standard:	Euro 6
Wheel base:	1800+3050+1350
Barrel rotate speed:	0-14r/min
Feeding rate:	≥3m^3/ min
Discharge rate:	≥2m^3/ min
Discharge residual rate:	≤0.5%
Reducer:	Interpump A25/PMB 7.1/ PMP7.1SP/Bonfiglioli 580 L
Pump :	Interpump P090 /Danfos T90 R75/ P090 HWR-1
Motor :	Interpump M090 /Danfos M90-75/ M090

Bulk cement tank trailer

Product feature: Hongtai cement tank trailer is top choice for construction industry , suitable for bulk cement, coal ash, chemical powder particles transporting , improve the transportation efficiency , save cost, reduce environmental pollution. The main features are as follows:

Nice outlook: cement tank trailer adopt international standard process design, tank barrel follows the popular style of Europe, nice look and reasonable structure;

Superior materials: use high quality steel sheet with advanced cutting equipment to ensure the manufacturing accuracy;

Light weight design: with light weight axle, suspension, aluminum rim, landing gear, air tank to lower the curb weight and save transportation cost;

Safety and durability: product structure modeling design , assembling line production, CNC automatic welding, structural components sand blasting pre-treatment to guarantee the vehicle safety and durability;

Quick discharge speed: air compressor match the barrel , upgrade the fluidization angle and pipeline to improve the discharge speed.

Less residual : reasonable layout of fluidized bed location, accurate parameter matching, reduce the powder residue to less than 0.2m3;

Bulk cement tank trailer parameter

Model	Medium	Overall dimension (mm)			Barrel size (mm)			Curb weight (T)	volume (m^3)
HHT9405GXH	Bulk cement	9150/10100	2540	3990	8650	2540	3050	6.7/6.1	38
HHT9408GXH	Bulk cement	8650/9550	2550	3990	8000	2550	3200	5.85/6.38	35
HHT9406GXH	Bulk cement	9450/10300	2540	3995	8900	2500	3000	5.2/5.7	35



Network service

We aim to spread all hongtai trailer to all over the world. In order to solve the problem of last mile of after-sale service, hongtai group has set up more than 100 after-sales service stations in 30 provinces, cities and autonomous regions equipped with professional after-sales personnel and maintenance equipment. We aim to provide nanny-style service for all users.

