

海世沃[®]
HASDER machine



**Invincible and omnipotent,
BV226 is your partner and your second home!**



We are founded in 2005, locating in Linhai, Zhejiang
HASDER a manufacturer specializing in producing of all-terrain vehicles.

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BV226
QED180

INTRODUCTION

About us

Hasder is a professional manufacturer of all-terrain vehicles and related parts. We were founded in 2005 in Linhai, Zhejiang . At present, we have All-Terrain Leopard two-stage tracked All-terrain rescue vehicle and All-Terrain Wolf 8X8 amphibious all-terrain rescue vehicle.

Introduction of products

The products are mainly used for the army logistics support, border patrol, forest fire prevention, flood relief, oil exploration, emergency rescue and other fields. The products are suitable for grassy ponds , hills, deserts, snow roads and mountains and other complex terrain. Moreover , they have convenient and flexible operation, fast mobile speed, strong cross-country ability. Also , they proured strong adaptability and trafficability in harsh and complex natural environment and roadless geographical environment. In addition, they offer the provision of customization and modularization production services based on market demands.

Product quality assurance

As the drafting unit of the "Standard for Double-section Tracker Transport Vehicles", we have passed the International Enterprise Standard Quality (ISO9001), Environmental (ISO14001), Health (ISO45001) certification and the EU product safety CE certification domestically and internationally; The vehicle quality has passed the inspection of China National Engineering Machinery Quality Inspection and Testing Center; At the same time, it has passed the 2021 Safety Emergency Equipment Application Pilot demonstration Project and the first set in Zhejiang Province; The company is also a member of the National Innovation Alliance for Forest Fire Prevention and Equipment and a deputy secretary-general (director) unit of the Forest and Grassland Fire Prevention Professional Committee of the Chinese Forestry Society.

CERTIFICATION&ACCREDITATION

ISO REGISTERED ENGINEERING EXCELLENCE

● Part one

Utility Model Patent Certificate



A transmission system for vehicles and its shaft connection structure

A transfer box with speed regulation



A dual section All-terrain vehicle with dual drive mechanism

A four side wheel axle gearbox



A dual section all terrain fire truck



● Part two

Certificates of Honor and Trophy



Key brand units recommended in the national machinery manufacturing industry



China Machinery Industry Qualification Level Certificate Industry level 1



Credit Rating Certificate



Chu hong wei Integrity Manager Certificate



National Key Private Enterprises

● Part three

Qualification certifications



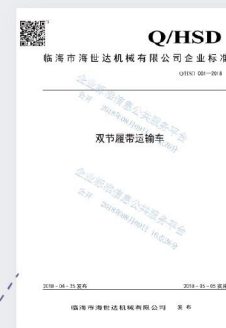
QMS Certificate of Registration

ISO9001 Quality Management System Certification



8X8 amphibious all terrain vehicle CE certification

Haishida Company Enterprise Standards



Tracked Utility Terrain Vehicle CE certification and Report



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QE0180**

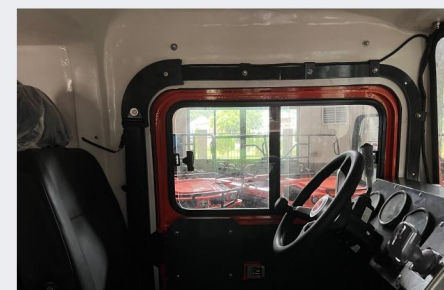


All-terrain Utility Carriers Manufacturers TWO-SEGMENT TRACKED MULTIPURPOSE ATV

This vehicle has the ability to float. When conditions are appropriate, it can wade and float. It can paddle forward with four tracks and freely walk through the snow, deserts, swamps, hills, forests, lakes, muddy roads and other areas, with strong ability to cross trenches and obstacles. The front vehicle can carry 1000 kg, the rear vehicle can carry 3000 kg. Hence, the total loading capacity of 4000 kg; The troop transport carries 6 people in the front vehicle, 14 people in the rear vehicle. In total, it has the capacity of 20 people; The upper part of the shed is designed with guardrail, and can carry 400 kg of supplies and equipment.

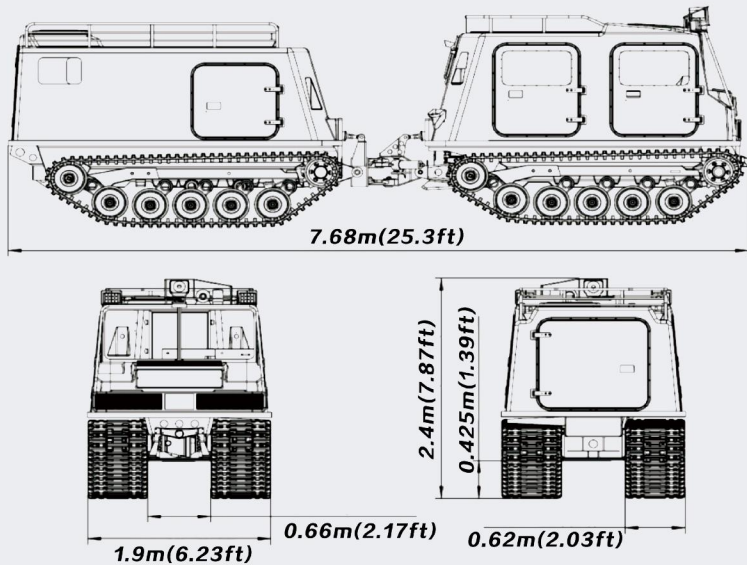
The vehicle is a front and rear two-body structure. Its front and rear drive at the same time, using hydrostatic articulated torsion waist steering device connection. Each carriage is composed of chassis part, body part, transmission part and action part.

The body is made of aviation alloy aluminum material, which is strong and durable, The material is lighter than steel, and relatively corrosion resistant. The cabin is made of refractory glass fiber reinforced plastic (FRP), which plays the role of durability, heat insulation and flame retardant. The roof of the front and rear vehicles is equipped with the upper hatch cover for escape, observation and ventilation. The vehicle is designed to be used in extreme conditions. The front and rear cabin are equipped with heating devices and windows that can be opened or closed. The crew compartment is designed with diesel heaters, which can ensure the heating requirements of the passengers in the cold season.



CASES STUDYS

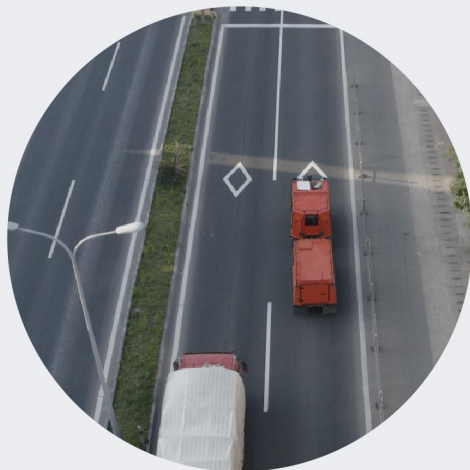
Product parameters



BV226 double-track all-terrain vehicle parameters

Body parameters				
Body Size	Length: 7680mm		Width: 1900mm	Height: 2340mm
Curb Weight	Front carriage weight		Rear Carriage	total weight
	3050kg		2550kg	5600kg
Effective capacity	1000kg		3000kg	4000kg
Gross Weight	4050kg		5550kg	9600kg
Passenger	5 (6) people		14 people	19 (20) people
Warehouse volume	3.5 m ³		6.5 m ³	10m ³
	performance parameter		Power parameters	
Top speed	land	67 km/h	Engine model	F1CE8481K
	on the water	9.8 km/h	Automatic transmission	NJI.6R4OA
Gradeability	hard surface	48 °	Displacement	2.998L
	snow road	30°	Engine power	125 K(170ps)
Maximum slope creep		36°	Torque	460NM
Maximum trench crossing		1.5m	Gear position	Fully automatic GBX
Full fuel range		400 km	Steering system	Hinged Hydrostatic Steering System
Ground pressure		10.2 Kpa	Turning radius	6 M
Minimum operating temperature		-45 °C	Track	Rubber Track width: 620mm
Alternator		14V 150AH	Carriage material	FRP
Battery		1x12V, 105Ah	Body materials	Aviation grade alloy aluminum

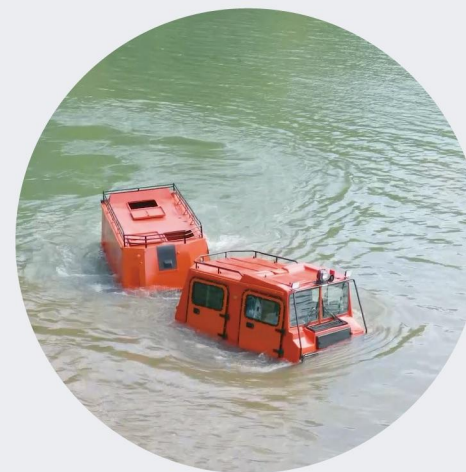
APPLICATION



On Road Driving



Snow



Amphibious



Air Transportable



Mountains And Forests



All Tarrain

CASES STUDYS



The double-tracked all-terrain vehicle is characterized by light self-weight, large load capacity, low grounding pressure, convenient and flexible operation, and has strong performance. It is mainly used in forest fire prevention, border patrol, emergency rescue and disaster relief, geological exploration and other fields. In extreme conditions, it is a supplement to wheeled vehicles and aircraft. It is applicable to complex and dangerous areas such as dry grassy ponds, marshes, deserts, ice and snow roads, mountains, hills, and gullies. It is a vehicle with strong off-road performance domestically and internationally .

CASES STUDYS



2 TRACK DRIVE FULLY AMPHIBIOUS- ALL TERRAIN VEHICLE BASE MODEL



Larger proximity angle ensures the vehicle's height of overcoming obstacles; Larger track grounding length ensures the vehicle's width of overcoming trenches. Could spin turn, making the vehicle more maneuverable and flexible. Equipped with an AT gearbox, it is easy to operate, reduces the driver's operating intensity, and reduces the impact of the vehicle.

The vehicle can be modified according to customer needs to meet the needs of different customers. It can be widely used in emergency rescue, forest firefighting, oil exploration, electric power rescue, tower maintenance and other industries to complete personnel search and rescue, material transport, equipment traction and other emergency rescue tasks.

2 TRACK DRIVE FULLY AMPHIBIOUS- ALL TERRAIN VEHICLE BASE MODEL

2 Track drive fully Amphibious can travel freely in the wind, sand, rain, snow and other extremely harsh climatic conditions, in the absence of any road in the case of land, Gobi, swamps, mudflats, lakes, snow and small rivers and other complex terrain environment.

Larger track grounding area makes the whole vehicle with low grounding specific pressure, which makes it have the ability to pass on soft road surfaces such as Gobi, swamp, mudflat, lake, snow, etc.;

Product Pictures



2 TRACK DRIVE FULLY AMPHIBIOUS- ALL TERRAIN VEHICLE BASE MODEL

⊙Product parameters

Body Dimensions(not include bulge)	6580*2590*2880 mm
Cargo Space	3000*2500 mm
Curb Weight	7 tons
Payload	Land:3 tons, Water:1.5 tons
Land Speed (km/h)	50 km/h
Water Speed (km/h)	5 km/h
Maximum kilometers(Km)	300 Km
Gradient Uphill	25 Degrees
Gradient Side-Slope	10 Degrees
Trench Crossing	1200 mm
Approach Angle	25°
Departure Angle	23°
Crossing Vertical Barriers	600 mm
Ground Pressure (KPa)	20 Kpa
Chassis Clearance(mm)	400 mm

Turning Radius(M)	7 M
Floating Capacity	✓
Warranty	
2 years or 5,000 Kms (Whichever comes first. As long as one of these conditions is met, the vehicle is not covered under warranty)	

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 **BXB**
ALL-WOLF

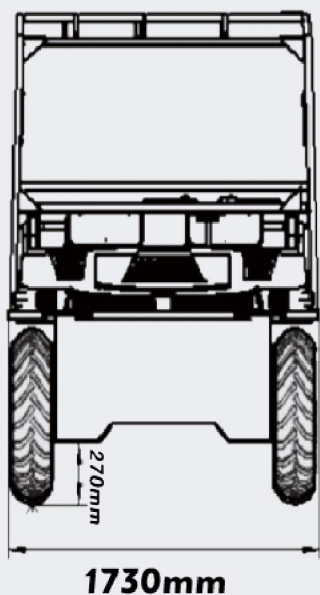
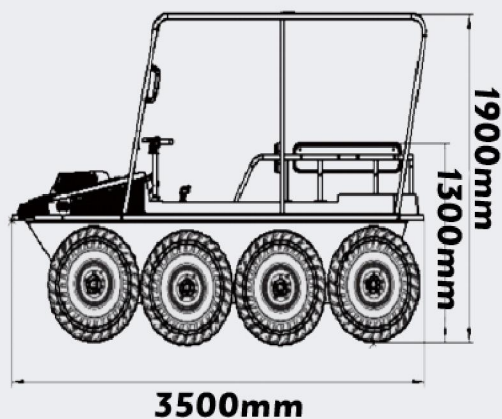


8X8 AMPHIBIOUS ALL TERRAIN VEHICLES

The 8x8 amphibious all-terrain vehicle uses 8x8 all-wheel drive, differential for braking and steering, stepless speed change, and fully sealed body. The tyres use the "duck webbed" tyres, which are special for amphibious vehicles. In the water, the tyres change into "paddle" for fast driving. The transmission mode of the vehicle is gear box and shaft transmission system, which subverts the traditional drive and leads the new technological revolution. The vehicle has a 45 ° climbing ability and can turn around in place. The maximum speed of the vehicle can reach 60 kilometers per hour, and it can run stably for a long time in different extreme temperatures ($\pm 45^{\circ}\text{C}$). In addition, based on this vehicle, we have also developed a special fire water tanker.

CASES STUDYS

⊙Product parameters



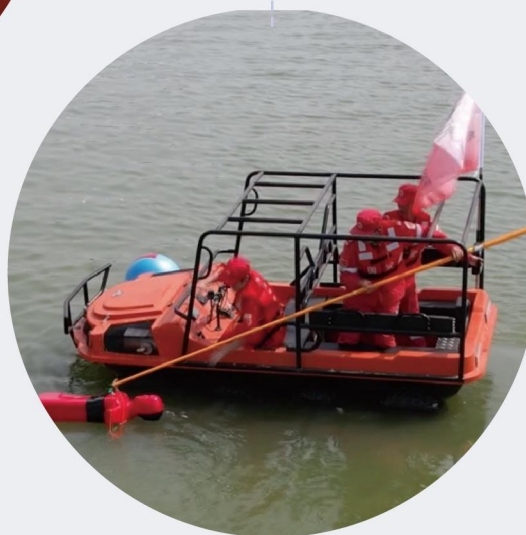
Vehicle Body parameters			
Body dimension	3500*1730*1300mm	wheelbase	700*700*700mm
Curb mass of the whole vehicle	1084KG	Track width	1500mm
Rated load	700kg(or 8 people)on land	Minimum	270mm
	450kg(or 6 people)on water	Seats	8 Seats
Performance parameters		Dynamic parameters	
Start mode	Triple insurance one-button electric start	Engine mode	SQR372
Ignition mode	EFI	Engine type	In-line/three-cylinder,four-stroke,water-cooled, overhead double-camshaft
Battery specification	12V/80Ah	Engine displacement	800cc
Driving form	Land: all-wheel drive	Compression ratio	9.5:1
	On water: driven by tire sculling	Rated power and	39 KW(6000±50r/min)
Maximum speed	Land: 60 km/h	Maximum torque and speed	70Nm(3500 ~ 4000r/min)
	Above water: 8 km/h(tire water)	Idling	850±50r/min
Obstacle clearance height	380mm	Minimum fuel consumption	275g/(KW·h)
Minimum turning radius	Left-750mm; Right-700mm	Fuel grade	Unleaded gasoline of 92# and above for vehicles
Maxinum climbing angle	48°	Lubrication method	Composite (pressure,splash lubrication)
Approach angle	47.7°	Clutch mode	CVT
Departure angle	60.1°	Variable speed type	CVT+ Second gear forward, neutral and reverse
Braking method	Caliper disc hydraulic brake	Accessories	
Tyre specification	25*12-9NHS		
Tyre pressure	57PSI(34.5-48.3KPa)		
Transmission mode	Gearbox shaft driver	Towing hook, winch, shed, armrest box,anti-rollover bracket,etc	

APPLICATION



on Road

Amphibious



48° Gradient

All Terrain



CASES STUDYS



WHEELED 8X8 FULLY AMPHIBIOUS- ALL TERRAIN VEHICLE BASE MODEL



WHEELED 8X8 FULLY AMPHIBIOUS- ALL TERRAIN VEHICLE BASE MODEL

Wheeled 8x8 Fully Amphibious is fully amphibious and is one of the most versatile All-Terrain Vehicles in its

It is based on military wheeled vehicle technology, full-time drive, fully sealed body and large-diameter wide-section low-pressure off-road tires, with a ground pressure of less than 25 kPa, could spin turns class currently on the market. Powerful, agile, and extremely robust. The vehicle is manufactured using the latest technology and all brand-new components.

The vehicle has excellent mobility, off-road passing and transportation capabilities, and can smoothly pass through urban and rural flooding, snow, rivers, lakes, swamps and other terrains. According to different mission requirements, it can be equipped with functional modules for drainage, power generation, fire-fighting, personnel transport, material transport, etc., so as to meet the requirements for emergency rescue equipment protection in special areas.

Product Pictures



WHEELED 8X8 FULLY AMPHIBIOUS- ALL TERRAIN VEHICLE BASE MODEL

Product parameters

Dimensions	6000*2450*2540 mm
Curb Weight	6 tons
Payload	3 tons
Passenger Capacity	14 peoples(including operator)
Land Speed (km/h)	60 km/h
Water Speed (km/h)	5 km/h
Off-road Average Speed(km/h)	30 km/h
Gradient Uphill	30 Degrees
Gradient Side-Slope	20 Degrees
Trench Crossing	1300 mm
Crossing Vertical Barriers	400mm
Ground Pressure (KPa)	22 Kpa
Tire Width (mm)	600 mm
Floating Capacity	✓
Tire Drive Type	8-wheel drive

Warranty

2 years or 5,000 Kms (Whichever comes first. As long as one of these conditions is met, the vehicle is not covered under warranty)

WHEELED 4X4 FULLY AMPHIBIOUS- ALL TERRAIN VEHICLE BASE MODEL



WHEELED 4X4 FULLY AMPHIBIOUS- ALL TERRAIN VEHICLE BASE MODEL

Wheeled 4x4 Fully Amphibious is fully amphibious and is one of the most versatile All-Terrain Vehicles in its class currently on the market. Powerful, agile, and extremely robust. The vehicle is manufactured using the latest technology and all brand-new components.

It is based on military wheeled vehicle technology, full-time drive, fully sealed body and large-diameter wide-section low-pressure off-road tires, with a ground pressure of less than 30 kPa, and has the ability to drive diagonally and four-wheel steering.

The vehicle has excellent mobility, off-road passing and transportation capabilities, and can smoothly pass through urban and rural flooding, snow, rivers, lakes, swamps and other terrains. According to different mission requirements, it can be equipped with functional modules for drainage, power generation, fire-fighting, personnel transport, material transport, etc., so as to meet the requirements for emergency rescue equipment protection in special areas.

WHEELED 4X4 FULLY AMPHIBIOUS- ALL TERRAIN VEHICLE BASE MODEL

Product parameters

Dimensions	4800*2760*3100 mm
Curb Weight	4 tons
Payload	1.5 tons
Passenger Capacity	12 peoples(including operator)
Land Speed (km/h)	60 km/h
Water Speed (km/h)	5 km/h
Gradient Uphill	30 Degrees
Gradient Side-Slope	20 Degrees
Trench Crossing	1200 mm
Crossing Vertical Barriers	500mm
Ground Pressure (KPa)	30 Kpa
Tire Width (mm)	700 mm
Floating Capacity	✓
Tire Drive Type	4-wheel drive

Steering
Two-wheel steering, four-wheel steering, crab steering
Warranty
2 years or 5,000 Kms (Whichever comes first. As long as one of these conditions is met, the vehicle is not covered under warranty)

CASES STUDYS



Why choose us?



TUV certification

TUV certification, simplifies trading procedures and provides uniform technical specifications, for the European trade market countries of the product. For products from any country to enter the EU, EFTA must obtain product certification.

The company is TUV Certificated

On July 1, 2021, TUV experts carried professional test equipment to carefully examine the performances and safe driving conditions of the company's vehicles on site. measured the actual data of all aspects of the vehicles and recorded the documents. Finally, TUV experts gave us professional and valuable advice, and discussed the future direction of the vehicle and the basic principles of risk avoidance. The company also ensured that the vehicle export will definitely meet the standard of local product , and adhere to the principles of access to each market .



COOPERATION PARTNERS



BOYRAZ DIŞ TİCARET A.Ş. Turkey



China Anneng Group (formerly China Water Conservancy Force)



Forest and Grassland Fire Prevention Professional Committee of the Chinese Forestry Society



National Innovation Alliance for Forest Fire Prevention and Equipment



Guangdong Pengyang Emergency Technology Co., Ltd



A UK Leading ATV Rental Solution Provider



China Emergency Department

Forest Armed Police Fire Brigade

Da Hinggan Ling Forestry Group

Greater Khingan Forest Management Bureau of Inner Mongolia (China Inner Mongolia Forest Industry Group)



ABOUT US

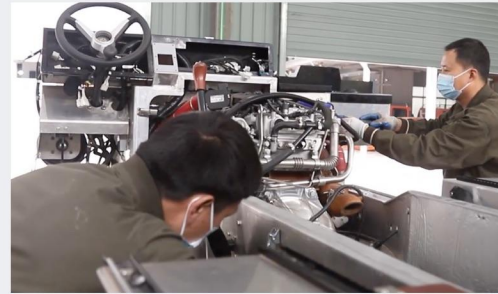


○ LIGHT WEIGH

○ CARRYING CA-
PACITY

○ LOW GROUNDING
VOLTAGEPACITY

○ CONVENIENT AND
FLEXIBLE OPERATION



About our story

At the beginning of the company's founding, founder Chu Hongwei made spare parts for BV206 for many years, from which we found some weaknesses of the vehicle. After nearly ten years of obsession and practice, we successfully developed a All-terrain vehicle that surpasses the existing one. We have been actively exploring the application of products in various fields and continuously optimizing them. Climb infinite, climb boundless! Haishida people insist on becoming "climbers" in the all terrain vehicle industry.



PLEASE CONTACT US

INTERNATIONAL SALES

 +86-18969650268
 +86-18989600329
 www.hasdergroup.com
 Monica@hsdgroup.cn

DOMESTIC SALES

 +86-13326019666
 +86-0576-85880688
 www.hsdaroup.cn
 Sales@hsdgroup.cn

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Thank You