



I. General description and features of the product

The JP20B2 high-injection vehicle is equipped with CNHTC HOWO ZZ5347N4647D5 Category-II automobile chassis, and the superstructure frame is provided with the two-section folding boom frame structure. Various moving mechanisms are provided with electric control and hydraulic drive. It has integrated the large-sized water tanker, foam truck and lifting injection fire-fighting vehicle, and is mainly intended for fire extinguishment in the low-rise buildings in the urban area, industrial and mine enterprises, petrochemical enterprises, oil tanks, warehouses and the like.

II. Advantages and highlights of the product

1. The JP20B2 vehicle is equipped with CNHTC HOWO ZZ5347N4647D5 chassis, and complies with China Emission Stage IV standard, featuring advanced performance, high loading capacity and high power reserve, with the specific power of 7.77.
2. Leading-edge main operation parameters in China: working height up to 20m and working range up to 9.5m.
3. Strong fighting capacity for a single vehicle: The CNHTC HOWO chassis with double-row cab is applied, with the seating capacity of 6 persons, suitable for the marshalling and centralized operation in the fire fighting operation.
4. High liquid loading capacity: liquid loading capacity of the tank up to 13700kg: 11340kg for the water tank and 2360kg for the foam tank.
5. Convenient and quick operation, and high safety level and intelligent level: the centralized control by the substructure is provided, and the 40m effective wired remote control is available to facilitate the fire fighting operation in the flammable and explosive areas, thus ensuring the safety of the fire fighting personnel in a better way.

III. Technical parameters

Major performance parameters of the vehicle	
Outline dimensions: (length × width × height)	10880×2500×3700mm
Gross weight	31800kg
Maximum speed	≥95km/h
Maximum working height	20m
Maximum working radius	9.5 m
Time of extension of the outriggers	≤30s
Actuation time of the boom frame	≤90s

Rated loading mass of the fire extinguishing agent	Water (kg)	11340	
	Foam liquid (kg)	2360	
Fire pump	Rated flow	≥60 L/s	
	Rated pressure	≥1.2 MPa	
Fire monitor	Model	3578+3626 (water monitor)	3578+3626 (foam monitor)
	Rated flow	48L/s	48L/s
	Rated pressure	≤0.9 MPa	≤0.9 MPa
	Injection range	≥65m	≥60m

IV. Main features

Vehicle chassis		
Chassis model	HOWO ZZ5347N4647D5	
Engine	1. Model: D10.34-40 diesel engine; 2. Rated power/revolution 249kw/1900rpm;	
Power take-off	Full-power power take-off: QQ60A; Side power take-off: QH50.	
Fire-fighting system		
Fire tank	Material:	carbon steel;
	Liquid loading capacity	Water loading capacity: 11.34t; foam loading capacity: 2.36t
Vacuum pump	supplied with the water pump;	
Water pump	CB12/60-TBS vehicle-mounted fire pump supplied by Shaanxi Aerospace Power Co., Ltd;	
Foam system	Supplied with the water pump, automatic foam mixing at the mixture ratio of 3% and 6%.	
Fire monitor	America AKRON 3578+3626, water & foam electric remote-control fire monitor.	
Electric control system		
Leveling of the outrigger	Manual leveling.	
Illumination	Illumination of the boom frame bracket.	
Other features		
Optional features	Additional pump chamber air heater in the northern cold area; Onboard radio and interphone, visual reversing monitor in the cab.	

