



## I. General description and features of the product

The JP32A2 lifting high-injection fire-fighting vehicle is equipped with CNHTC HOWO ZZ5347V4647D1 6×4 chassis, the full-circle slewing superstructure and the telescoping boom which is additionally provided with a crank boom. It is a major fighting vehicle which has integrated the water tanker, high-injection vehicle and foam fire truck, being widely applied in the fire fighting and rescue of properties in the mid-rise and high-rise buildings in the urban area, the mine, oil field, factory and the like.

## II. Advantages and highlights of the product

1. The JP32A2 vehicle is equipped with CNHTC HOWO ZZ5347V4647D1 which complies with China Emission Stage IV standard, with the engine net power of 274KW.
2. High liquid loading capacity; 6t water + 2.5t foam.
3. Excellent performance of the fire fighting system; 70L/S and 1.7Mpa water pump, 64L/S and 70m-range water monitor, and 64L/S and 65m-range foam monitor.
4. Wide scope of application, with the maximum working range up to 19m.
5. The operation on a single side is allowed to satisfy the requirements for operation in a narrow space.

## III. Technical parameters

Major performance parameters of the vehicle			
Outline dimensions: (length × width × height)		11510×2500×3900mm	
Gross weight		32800kg	
Maximum working height		32m	
Maximum working range		19m	
Time of extension of the outriggers		≤30s	
Time for the boom frame to reach its maximum lifting height and rotate by 90°		≤110s	
Rated loading mass of the fire extinguishing agent		Water, kg	6000
		Foam liquid, kg	2500
Fire fighting performance	Fire pump	Rated flow (L/s)	≥70
		Rated pressure (MPa)	≥1.7

Fire monitor	Water monitor	Model	3578+3626
		Rated flow L/S	64
		Rated pressure, Mpa	$\leq 1.0$
		Injection range, m	$\geq 70m$
	Foam monitor	Model	3578+3626
		Rated flow L/S	64
		Rated pressure, Mpa	$\leq 1.0$
		Injection range, m	$\geq 65m$

#### IV. Main features

Vehicle chassis	
Chassis model	CNHTC HOWO ZZ5347V4647D1
Engine	Engine power: 274kw/ 2000rpm
Power take-off	Full-power power take-off: HW80Q Side power take-off: HW70
Fire water system	
Fire tank	Material: 304 stainless steel
Water pump	America Darley PSP1500 single-stage centrifugal water pump Flow: 95 L/S @ 1.0 MPa, 50 L/S @ 1.7 MPa;
Vacuum pump	Darley AP00954 electric slide vane vacuum pump (24V)
Foam system	Manual foam proportional mixing system, with the mixture ratio of 6%.
Fire monitor	America AKRON: 3578+5177/3626 Horizontal rotating angle: $\pm 165^\circ$ ; angle of elevation: $0^\circ$ ; angle of dip: $135^\circ$ . Wireless remote control within an effective distance of 100m.
Electric control system	
Console	Vehicle control type: Operation interface, computer control. Computer display screen: the colored LCD display screen is used. The screen can display the curves of the boom frame luffing and telescoping operations, the orientation of the boom frame and the cab, the working height, luffing angle and working radius of the boom frame and other data, and the query of faults via the screen is also permitted.
Leveling of the	Automatic leveling + manual leveling

outrigger	
Image system	Fire scene video monitoring
Other features	
Optional features	<ol style="list-style-type: none"><li>1) Additionally installed in the northern cold area: fire water pipeline purging, water outlet electrically-heated ball valve.</li><li>2) Electric system: Reserved onboard radio interface, on-board radio and interphone, visual reversing monitor, optional fire scene monitoring recorder.</li></ol>