

ZK6120HEQ

Version: HWTY-080818-6120HEQ (ECE Homologation)

Overall Dimension	Length (mm)	12000	Engine Data	Engine Model	ISL8.9 E5 400
	Width (mm)	2500		Engine Type	Electric control, Six cylinders, supercharging, inter cooler and water cooling. (Hydraulic fan drives from Bosch Rexroth)
	Height (mm)	3800		Displacement (L)	8.9
	Interior Height (mm)	2020		Bore × Stroke(mm)	114 × 144.5
	Wheelbase (mm)	6250		Compression Ratio	16.6: 1
	Track front/rear(mm)	2020/1832		Max. Power (kW/rpm)	294/2100
	Overhang front/rear(mm)	2410/3340		Max Torque (N.m/rpm)	1700/1300
	Min. Ground Clearance (mm)	248		Fuel	Diesel Euro V
	Approach/Departure Angle (°)	9/9			
Performance Data	Chassis Manufacturer	Zhengzhou Yutong Bus Co.,Ltd.	Max.Speed (km/h)	120	
			Max. Grade Ability (%)	30	
	Engine Arrangement	Rear-mounted	Min. Turning Diameter (m)	≤24	
	Braking Distance (v=30km/h)	≤10	Fuel Tank (L)	400	
	Fuel Consumption (L/100km)	26(under limited working condition)	Luggage Compartment (m ³)	8 to 10	
	Kerb Weight(kg)	13575	Max. Total Weight (kg)	18000	
	Front/Rear Axle (kg)	/	Front/Rear Axle (kg)	6500/11500	
Item		Standard Specification		Options:	
Chassis	Clutch	SACHS MFZ430 Sachs MFZ430 single dry type clutch Hydraulic remote control, with air assistance			
	Transmission	Flexible shaft remote control; The low gear is near to driver. short shift Options: Nr.1=ZF 6S-1701BO+intarder Mecanical Nr.2= AS Tronic AMT		Options: 1 or 2 Nr:	
	Front Axle	Options: Nr.1= ZF RL7.5E independent susp (Knorr disk brakes) (7.5maxt) Nr.2= Yutong independent(Haldex disc brakes; Knorr in developing)		Options: 1 or 2 Nr:	
	Rear Axle	Options: Nr.1= ZF A132 (Knorr disc brakes) Nr.2= Yutong (Haldex, Knorr disc brakes interchangeable), some option with bearings; very good local bearing (interchangeable with Timken, SKF), and Timken, SKF		Options: 1 or 2 Nr:	

Frame	Monocoque	
Suspension	Air suspension(continental) 6 bags Option: Nr.1: ECAS system Nr.2: without ECAS system	Options: 1 or 2 Nr:
Steering system	LHD; ZF8098 Integral type power steering Adjustable steering wheel; ATF 3000 power steering fluid	
Braking system	Front and rear disc type; WABCO Air drier (with silencer) Dual –circuit air brake system Energy storage parking brake ESP system Options: Nr.1=Haldex in front (only with Yutong axles) and Haldex, Knorr, with rear axles. Nr.2=Knorr disk brakes (only with ZF axles)	Options: 1 or 2 Nr:
Tire	Michelin 295/80R22.5, tubeless tire, 6+1 pieces	
Electric wirings	24V, single wire、 minus earth	
Starter	24V electromagnetic control type 5.4KW	
Battery/Generator	6-QA-195AH , 28V 140A+120A alternators	
Others		
Structure of the floor	Lower deck for the walking path LG gray floor mat	
Body Structure	All steel body Cold bend steel skeleton pre-stress skin Light gray color floor	
Interior Trimmings	Interior trimmings; Luxury luggage rack; Aluminum cover in luggage compartment. Sun visor for driver’s window and yellow curtain for side windows. The color of luggage rack and roof are light yellow A/C out let with reading above all seats Option: Nr.1: With sleeping cabin for driver (2m3) Nr.2: Without sleeping cabin for driver	Options: 1 or 2 Nr:
Door and Door pumps	Two passenger doors (front and middle, front door with transparent double-layer glass, but the glass of middle door is with the same color to the side windows), remote controller operation; BODE door pump Luggage compartment door, two options: Option: Nr.1: Manual Up-moving aluminum compartment door;- Nr.2: Manual out swinging compartment door. (if option 2 pumps must be as long as possible)	Options: 1 or 2 Nr:
Windows	Fully closed side windows (dark gray color); Double layer glass all windows Glasses with E-mark Light yellow curtain	
Seats	Options: Nr.1:with toilet: 47+1+1, Nr.2:without toilet: 49+1+1, EC0033 seats, fully adjustable seats.	Options: 1 or 2 Nr:

Seat Accessory	Adjustable handle, paper bag; Three-point seat belt in all seats. Wood like handles With headrest Grammar driver's seat air, guide's seat (same high as driver); Option: Nr.1: driver seat with low back Nr.2: driver seat with high back	Options: 1 or 2 Nr: Arms on driver's seat? _____
A/C system	Non-independent A/C (cooling capacity 32000kcal/h)- Yutong	
Heating System	Webasto independent water heater + compulsory hanging radiator + through radiators + hi-low speed driver heater blower + step radiator controlled by 1 single speed switch	
Defrosting System	High-power water heater defroster, fresh and recycle air, additional blowers with toggle switch locate at both sides under dashboard. Add pores in the trimming around windshield glass to enhance defrost ability.	
Audio& Visual System	Alpine DVD , two fixed 17" LCD at the front door and at middle door, 25 loud speakers; one microphone (one microphone hole on instrument panel), One more microphone for driver Back camera and camera on middle door	
Rearview System	Mekra-long electric rearview mirror (with electric defrosting)— Inner rear view mirror on both side Colorful LCD Reverse monitor	
Lamps	Integral front lamp; LED rear lamp & interior lighting lamp; LED Rear lamps, stylish led lamps	
Wipers	Wipers (12L water jug)(12L)Doga motor for wipers, wipers treated for cold areas	
Service Facility	Digital clock; with temperature indicator for temperature inside in the back and in the front, also outside temperature. ACTIA running recorder; Sun visor; Full size wheel cover, with same color of body; Roof hatch with ventilator; Softened handle; Clothes hook for driver;	Mini kitchen (Frenzel FOB 555)? If yes please mark with X in box Yes: <input type="checkbox"/>
Other	Non-metallic paint (imported); Stainless steel wheel cover (chrome); A/C painted with the same color like the body; 2 roof hatches with ventilator; Automatic extinguishing bomb for engine cabinet; The whole bus shall use English sign; Special treatment for cold area; Corrosion-free treatment (Electrophoresis coating); Fuel heater for engine 4 fire extinguishing bombs in engine compartment, 1 fire extinguishing bomb in heating compartment, two 8 kilogram fire extinguisher (one is under passenger seats behind driver seat, one is under passenger seats left to the middle door)	

Special treatment for Anti-corrosion.

- 1. Electrophoresis coating for all chassis frame;**
- 2. Protecting plate under engine to protect the engine from being touched by the dust or corrosions.**
- 3. Galvanized plate under each compartment.;**
- 4. Electrophoresis coating for front and rear bumper, wheel guard, passenger door, front and rear wall panel, front and rear roof cover, front wall pillar cover, etc.**
- 5. All of the welding clearance within the under compartment shall be glued.**
- 6. The under part of compartment and profile of frame shall be glued.**
- 7. All of welding clearance shall be glued with SIKA glue, it is required to cover all the possibly visible welding point. (Two times of glue).**
- 8. The body adopts imported primary paint; the panel of luggage compartment shall be painted with the paint that can prevent the hit of stone.**
- 9. Damping glue for the under part of chassis, anti-rust wax for chassis frame, and the engine will be covered with engine protection wax.**