

KEE HING CHEUNG KEE CO., LTD.
DLFTZ CHANG HING KEE
INT'L INDUSTRY & TRADE CO., LTD.



Pump Truck



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37M Isuzu Pump Truck

1. Introduce

The hydraulic system has an open loop. Every subsystem is equipped with overflow valve for fear of overloading.

The driving elements of the hydraulic system are all imported from Germany with original packaging. The pumping oil tank of concrete pump (Pumping production of concrete), i.e. Duty-cycle operation frequency of piston is controlled by changing speed of engine or adjusting discharge capacity of main oil pipe.

2. Features

Box-structure four-section roll-and-fold boom, made of high-strength steel, is light, safe and reliable.

- The extension of the boom is controlled by hydraulic proportional valve with self-locking function.
- The boom swing is driven by hydraulic cylinder, which features safe, reliable and stable operation.
- The pumping hydraulic system is closed circuit type without any control element between hydraulic pump and hydraulic cylinder, featuring high efficiency, large flow, and reliable and stable operation. The elastic packing on the S-valve can compensate partial wear of the abrasion part. The temperature detecting of the cooling system is automatically controlled with safeguard.
- All hydraulic elements are worldwide well-known brands like German REXROTH, etc.
- Power system: engine → gearbox → transmission shaft → transfer case → each hydraulic pump → each cylinder and motor to perform varied functions. It is full-power output of the engine.
- Stable boom during pumping.
- All pumping and distributing operations can be controlled by wireless remote control.
- There is an emergency stop switch on main control panel, remote-control board and both sides of the pump truck to prevent any accident



3. Powerful ISUZU chassis with heavy carrying capacity

Special ISUZU CXZ51Q chassis for concrete pump truck, with advanced technology, strong maneuverability, and excellent comfort.

- Engine output: 287KW
 - Truck frame dimensions: 320×90× (8+7) (double layer), with 8mm (upper part) and 12mm (lower part) reinforced plates. The actual section thickness is 340mm.
 - Engine model: In-line, 6-cylinder ISUZU-6WF, Euro II
- Engine type: 4-stroke, water-cooled, direct injection, turbocharged
- Comfortable, roomy, and open cab
- Easy and reliable electric-powered and hand-operated cab tilting mechanisms.
 - Open view with large windscreen and door.
 - New instrument panel with alarming lights of each control system.
 - Crew cab with built-in bed.
 - Luxury air conditioner and music center inside the cab.
 - The position and height of the seat and the angle of the backrest can be adjusted.
 - Comfortable suspension system.

4. Specifications

Model		KHHNJ5261THB					
Items	Unit	Main Technical Data					
Pumping system	Max. theoretical output	m ³ /h	136				
	Output pressure	MPa	7.4				
	Max. aggregate size (inner diameter of conveying pipe: Φ125mm) Pebble Gravel	mm	Pebble: 45 Gravel: 40				
	Concrete falling height	cm	8~23				
	Concrete cylinder diameter	mm	230				
	Piston stroke	mm	2100				
	Max. pumping frequency	times/min	25.9				
	Rated pressure of pumping hydraulic system	MPa	40				
	Hopper capacity	L	600				
	Hopper capacity	mm	1400				
	ilt valve	mm	S-valve				
	Inner diameter of conveying pipe	mm	Φ125				
	Origin of main pump, master valve and collecting valve		Germany				
Boom system	Boom type		Roll-and-fold				
	Boom sections		5				
	Unfolding angle range of the boom	°	I 93	II 180	III 180	IV 180	V 233
	Vertical pumping height	m	36.4				
	Turning radius of the boom	m	32.6				
	Turning angle of the boom	°	360°full turn				
	Pressure of the hydraulic system	MPa	35				
Fuel tank capacity	L	350					

Water supply system	Capacity of water tank	L/min	60
	Max pressure	MPa	1.6
	Volume of water pump	L	550
Chassis	Model		ISUZU-CXZ51Q
	Wheel base	mm	4595+1310
	Wheel track front / rear	mm	2065/1855
	Max. running speed	km/h	92
	Min. turning diameter	m	9.3
	Min. clearance	mm	255
Engine	Engine mode		ISUZU-6WF1
	Engine power	kW	287 (1800r/min)
	Chassis mode	N·m	1863 (1100r/min)
Environmental standard			Environmental standard Euro II
Total weight		kg	25020
Overall dimensions(L×W×H)		mm	11600×2490×3950

5. Tool list free charge

S/N	Name	Qty
1.	Jack	1 pc
2.	monkey wrench	1 pc
3.	hammer	1 pc
4.	Grease guns	1 pc
5.	Tyre wrench ,remove bar	Each one 1 pc
6	Casing wrench (5 model)	1 box
7	— shape screwdriver	1pc
8.	pinchers	1pc
9.	Press bar	1pc
10	clean ball	1pc
11.	Driver Foot pad	1pc
12.	Crank	1pc
13.	Kits : Cross screwdriver big and small each one has 1 pc open end wrench 8-10、10-12、14-17、24-27	1set
14.	Oil Filter core, diesel oil filter core air, filter core	1set

6. Price of Common Fragile pieces

SN	PART NAME	specification	part number	Price USD	
1	Cutting ring		B174087	850.00	
2	piston head	DN230	WAI100175	650.00	
3	S valve seal around the bearing bushings interior	“O” shape ring	260×5	WAI101588	16.00
		“O” shape ring	244×3	WAI103365	18.00



	components	“O” shape ring	205×3	WAI100625	13.00
		“O” shape ring	265×3	WAI100481	11.00
		“O” shape ring	124×3	WAI100486	9.00
		“O” shape ring	95×7	WAI100485	13.00
4	Mixing System sealed bushings	O-ring	THBW37.15.5-5	B253029	39.00
		“O” shape ring	13×2	WAI103064	0.40
		“O” shape ring	174×3	WAI103063	9.00
		“O” shape ring	59×3	WAI103249	3.00
		Yx shape seal ring	85×100×11.5	WAI102544	21.00

7. Documents with this vehicle we supply

1. KHHNJ5261THB37M Isuzu Pump Truck operation instruction
2. certificate of conformity of product
3. export certificate of customs office of the People's Republic of China
4. Import motor vehicle inspection sheet
5. tool list with this vehicle
6. 1 pc of invoice

8. Service and warranty

One year quality about 37M Isuzu Pump Truck

Service: After one year we can supply free service but the hotel and food, air ticket, truck fitting should pay additional money.

9. Quotation sheet

The price contains this pump truck and tool list , and 2 pc of piston head for per vehicle.

Item No.	KHHNJ5261THB 37M Isuzu Pump Truck
Size(mm)	11600×2490×3950
Gross Weight(kg)	25020
Price FOB TIANJIN	\$342, 308.00
Payment	By T/T ,40%deposit before production ,60% balance against the copy of B/L
Price valid	30days
Shipment	45days after received the deposit

42M Isuzu Pump Truck

1. Introduce

The hydraulic system has an open loop. Every subsystem is equipped with overflow valve for fear of overloading.

The driving elements of the hydraulic system are all imported from Germany with original packaging. The pumping oil tank of concrete pump (Pumping production of concrete), i.e. Duty-cycle operation frequency of piston is controlled by changing speed of engine or adjusting discharge capacity of main oil pipe.

2. Product Features Imported German Wait zinger Superstructure

Box-structure five-section roll-and-fold boom, made of high-strength steel, is light, safe and reliable.

- The whole work device is mainly made up of pumping cell (mainly comprises hopper, a pair of concrete cylinders, a pair of master cylinders, control valve, tilt cylinder, and S tube valve, etc.), outrigger and rotating support, boom and hydraulic system, etc. The extension of the boom is controlled by hydraulic proportional valve with self-locking function.
- The rotating support is rolling bearing type. The boom swing is driven by hydraulic motor and planetary gear reducer with a stable revolving angle of 364°.
- Specially designed S-valve has little resistance to concrete. The elastic end face seal on the outlet of S-valve has excellent sealing performance and long service life.
- All hydraulic elements are worldwide well-known German REXROTH products. Motor is German REXROTH, American Sauer-Sandstrand-Danfoss and Eaton.
- Power system: engine → gearbox → transmission shaft → transfer case → each hydraulic pump → each cylinder and motor to perform varied functions. It is full-power output of the engine.
- Stable boom during pumping.
- All pumping and distributing operations can be controlled by wired and wireless remote control.
- There is an emergency stop switch on main control panel, remote-control board and both sides of the bump truck to prevent any accident.
- Pumping system: sensor → PLC → electro-hydraulic directional valve. There are also two spare controls: sensor → relay → electro-hydraulic directional valve, pressure relay → PLC → solenoid valve system. The valve is American P+F and German BALLUFF product



3. Powerful Volvo chassis with heavy carrying capacity

Special ISUZU-CXH50T chassis for concrete pump truck, with advanced technology, strong maneuverability, and excellent comfort.

- Engine: In-line, 6-cylinder, turbocharged, inter-cooled, electronic control, 380hp diesel engine, low fuel consumption, Euro II, intensified cooling system with fixed fan, upright air intake system.
- Clutch: Hydraulically-assisted single dry disc with a diameter of 430mm.
- Gearbox: VT2009B, 9 full synchronizing gears (with creep gear and two reverse gears)
- Rear axle: Double rear axle drives, single reduction with rim reduction differential lock.
- Braking system: Two-circuit compressed air brake, spring parking brake on the rear wheel, engine exhaust brake.
- Suspension: Front one: parabolic spring, vibration damper; rear one: leaf spring, vibration damper.
- Easy and reliable electric-powered and hand-operated cab tilting mechanisms.
- Open view with large windscreen and door.
- New instrument panel with alarming lights of each control system.
- Luxury air conditioner and music center inside the cab with skylight and backlight
- The position and height of the seat and the angle of the backrest can be adjusted.

4. Specification

Model		KHHNJ5420THB	
Items		Unit	Main Technical Data
Pumping system	Max. theoretical output	m ³ /h	125/75
	Output pressure	MPa	5.5/9.4
	Max. aggregate size (inner diameter of conveying pipe: Φ 125mm) Pebble Gravel	mm	Pebble: 45 Gravel: 40
	Concrete falling height	cm	14~23
	Concrete cylinder diameter	mm	230
	Piston stroke	mm	2000
	Max. pumping frequency	times/min	25/15
	Rated pressure of pumping hydraulic system	MPa	32
	Hopper capacity	L	600
	Hopper capacity	mm	1400
	ilt valve	mm	S-valve
	Inner diameter of conveying pipe	mm	Φ 125
	Origin of main pump, master valve and collecting valve		Germany
Boom system	Boom type		Roll-and-fold
	Boom sections		5
	Unfolding angle range of the boom	°	I 96 II 180 III 270 IV 180 V 270
	Vertical pumping height	m	41.6
	Turning radius of the boom	m	37.6
	Turning angle of the boom	°	364°(full turn)
	Pressure of the hydraulic system	MPa	32
Fuel tank capacity	L	350+350	
Water supply	Capacity of water tank	L/min	60



system	Max pressure	MPa	2.0
	Volume of water pump	L	600
Chassis performance parameter	Model		ISUZU-CXH50T
	Wheel base	mm	1850+4670+1310
	Wheel track front / rear	mm	2055/1855
	Max. running speed	km/h	90
	Min. turning diameter	m	11.2
	Min. clearance	mm	255
Engine Parameter	Engine mode		ISUZU-6WA1
	Engine maximum power	kW	265 (2000r/min)
	Chassis mode	N·m	1422 (1400r/min)
	fuel consumption / 100 kilometers	L/100km	32
Total weight		kg	38255
Overall dimensions(L×W×H)		mm	12880×2490×3990

5. Tool list free charge

S/N	Name	Spec and model	Qty & Remark	Upper part of the vehicle (free charge)
1.	Inner hexagonal wrench	2, 2.5, 3, 4, 5, 6, 8, 10, 12, 14, 17, 27-30,21-24,20-22,18-19, 16-17,14-15,12-13,10-11, 8-9,6-7	1 pc each	
2.	Hand Hammer		1pc	
3.	screwdriver		3pc	
4.	Sleeve spanner	13×17	1pc	
5.	Clean ball	Soft and hare	1pc each	
6.	outrigger tie plate		4pc	
7.	Glycerin gun		1pc	
8.	nozzle oil gun and Tie-in		1set	
9.	squirt gun and joint		1set	
10.	wired remote control		1set	
11.	remote control		1set (contain 2 batteries)	
12.	O ring	95×7	3pc	
13.	conveying pipe clamp	125	1pc	
14.	hydraulic oil Filter core		3pc	
15.	Aprons	125	5pc	
16.	O belt		1pc	
17.	workbasket		1pc	
18.	Hook spanner		1pc	
19.	glycerol		1 barrel	
S/N	Name	Spec and model	Qty & Remark	



1.	open end wrench	24-27,19-22,14-17,10-12 8-10	1pc each
2.	Cross screwdriver	Big size and small size	1pc each
3.	monkey wrench		1pc
4.	pinchers		1pc
5.	— shape screwdriver		1pc
6.	Hand hammer		1pc
7.	Jack		1pc
8.	Press bar		1pc
9.	Casing spanner	5 model lengthen bar	1box 3pc
10.	Wheel wrench and move bar		1pc each
11.	Tire inflatable hose		1 bundle
12.	Cab foot pad		1pc
13.	crank		1pc
14.	Chassis instruction book and disc		1set
15.	3 filter		1set
16.	Spare tyre		1pc
17.	Pump head		2pc
18.	Cutting ring		2pc
19.	elastic ring		1pc
20.	Pump pipe		1set

6. Price of Common Fragile pieces

SN	Name	Spec and model	Part no.	Price USD	
1	Cutting ring		B174087	807	
2	piston head	DN230	WAI100175	620	
3	S valve around Seal indoor parts bearing bushings	“O” ring	260×5	WAI101588	10
		“O” ring	244×3	WAI103365	17
		“O” ring	205×3	WAI100625	13
		“O” ring	265×3	WAI100481	10
		“O” ring	124×3	WAI100486	9
		“O” ring	95×7	WAI100485	13
4	Mixing system Seal bushings	Seal ring	THBW37.15.5-5	B253029	37
		“O” ring	13×2	WAI103064	0.37
		“O” ring	174×3	WAI103063	9
		“O” ring	59×3	WAI103249	2.4
		Yx type seal ring	85×100×11.5	WAI102544	21



7. Documents with this vehicle we supply

1. KHHNJ5380THB 42M Isuzu Pump Truck operation instruction
2. certificate of conformity of product
3. Import certificate of customs office of the People's Republic of China
4. Import motor vehicle inspection sheet
5. tool list with this vehicle
6. 1 pc of invoice

8. Service and warranty

One year quality about 42M Isuzu Pump Truck

Service: After one year we can supply free service but the hotel and food, air ticket, truck fitting should pay additional money.

9. Quotation sheet

The price contains this pump truck and tool list.

Item No.	KHHNJ5380THB 42M Isuzu Pump Truck
Size(mm)	12880×2490×3990
Gross Weight(kg)	38255
Price FOB TIANJIN	\$480, 780.00
Payment	By T/T ,40%deposit before production ,60% balance against the copy of B/L
Price valid	30days
Shipment	45days after received the deposit