

Special Purpose Vehicle Series Models Provide personalised modifications according to customer needs.



vehicle type Vehicle Features Overview

WCJ4BE Trackless rubber wheelbarrow

- ◆ The chassis is mature, stable and reliable;
- ◆ Adopting full-time four-wheel drive structure, it has better passability and can be better adapted to the low attachment working conditions in the underground working face;
- ◆ Adopting central articulated special structure, the turning radius is smaller, which can be better adapted to the operation in the narrow space of underground tunnel;
- ◆ The adoption of three sets of independent braking system can effectively ensure the stability and reliability of the braking system during the driving process to ensure driving safety.



WC50Y Racking trolley

- ◆ Strong power: the base engine is a Cummins engine, with more litre power;
- ◆ Good Fuel Economy: Adopt high pressure common rail engine, better fuel economy;
- ◆ Good adherence performance: it can be switched between four and six drives, which can better adapt to the low adherence road conditions on the working surface;
- ◆ Smaller Turning Radius: Adoption of the centre joint structure further reduces the turning radius of the vehicle.



WC5RJ Ambulance

- ◆ Vehicles are equipped with gas sensing alarms;
- ◆ Exhaust temperature above 68° C alarm and shutdown;
- ◆ Cooling water temperature is higher than 98° C alarm and shutdown;
- ◆ The water level of the wash tank is below the set level alarm and shutdown;
- ◆ Engine surface temperature above 150° C alarm and shutdown;
- ◆ Oil pressure below 69KPa alarm and shutdown.



Special Purpose Vehicle Series Parameter Summary Table

Vehicle Technical Parameters	Concrete mixer trucks	Ambulance WC5RJ	WC50Y Carrier
Dimensions (LxWxH)(mm)	(7570±225)X(1995±55)X(2235±65)	(5000±150)X(2000±50)X(2170±50)	(9700±290)X(3540±105)X(1900±55)
Engine Model	KC6102DZLQFB	KC494DZLDFB	KC4107DZLOFB(A)
Rating power(KW)	120	50	260
Maximum output torque(N·m)	700	225	1350
Clutch	Torque converter + gearbox	Diaphragm Spring Clutch	/
Gearbox		ZM6T82	/
Transmission form	/	/	Hydraulic drive
Service brake	4-Wheel Brake, Hydraulic Brake, Spring Release, Wet Brake	4-Wheel Brake, Hydraulic Brake, Spring Release, Wet Brake	Six-wheel brake, spring brake, hydraulic release, wet brake
Parking brake	Spring brake, hydraulic release, wet central brake (gearbox)	Spring-applied, hydraulically released, rear axle travelling wet brake	Fail-safe wet brake
Emergency braking	Spring brake, hydraulically released, wet central brake (rear axle)	Spring-applied, hydraulically released, rear axle travelling wet brake	Fail-safe wet brake
Drive form	4X4 long-time four-wheel drive	4x2	6X6 time-shared six-wheel drive (switchable between 2 and 6WD)
Vehicle structure type	Front and rear comparative bodywork	Monolithic	Front and rear comparative bodywork
Rated capacity (m³)	4	/	/
Rated load weight(Kg)	/	/	50000
Wheelbase(mm)	4000	2900	3170+1860
Wheelbase (front/rear)(mm)	1500/1500front/rear	1800/1740front/rear	14.00-20/16.00-25(front/middle/rear)
Minimum Ground Clearance(mm)	200	180	/
Maximum gradeability(%)	>25(14°)	>25(14°)	>25(14°)
Braking distance on flat road (Dry hard cement floor)	<8m(At an initial speed of 20 km/h)		
Emission standards	CO≤5.0g/kWh. HC+NOx≤4.0g/kWh. PM≤0.30g/kWh; Meet the GB20891-2014 non-road Stage III emission requirements		
Security protection system	The vehicle is equipped with a gas sensing alarm device; Alarm and shutdown for exhaust air temperature above 68° C; Cooling water temperature above 98° C alarm and shutdown; Alarm and shutdown when the water level in the wash tank falls below the set level; Engine surface temperature above 150° C alarm and shutdown; oil pressure below 69KPa alarm and shutdown		
Explosion-proof electrical system	Explosion-proof generator; Explosion-proof lighting; Explosion-proof signal lamp; Light switching mode: manual switching; Light range: 20m at the light brightness is not less than 4Lx		
Vehicle specialised parameters	Mixing method: rear tilting mixing, tank positive turning feeding, reversing outfeed Maximum speed of mixing tank (r/min): 12±2 Feed rate(m³/min): 3 Discharge speed(m³/min): 2 Discharge residue: 0.7%	Semi-partitions (between front and back rows), infusion hooks, fire extinguishers, Stretcher pods, automatic loading stretchers, integrated medical cabinets, LG Medical flooring, Frosted film, 10 litre oxygen cylinders (2), pressure reducing valve + humidifying cylinder Oxygen cylinder fixation frame, spade stretcher, folding stretcher and commonly used haemostatic bandaging medical instruments, etc.	/

*The right of interpretation of the above parameters belongs to Hubei SAFE SEIKO, and any modification will not be notified, and the illustrations in the text are not necessarily the standard models of this model.