



Vehicle Features Overview

WC20R(E) WC20R(E) 20-seater 4WD People Carrier

- Strong power: the base engine is Cummins engine, more power;
- Good fuel economy: adopting high pressure common rail engine, better fuel economy;
- Good adhesion performance: normal-time four-wheel drive, can be better adapted to the working surface of the low attached road conditions;
- Small turning radius: adopting central articulated structure, further reducing the turning radius of the vehicle;
- High safety: three sets of independent braking system to ensure the safety of vehicle operation.

WC20R Short head 4x2

- The short head structure design is more secure for driver's safety;
- Adopting Cummins base engine, strong power and good emission;
- Lower height of the whole vehicle, more height inside the passenger area: (<1320mm)
- Professional optimized steering trapezoidal structure, smaller turning radius;
- Professional CAE analysis of body and frame, small vehicle mass, high transport efficiency.

WC20R Flat head 4x2

- Mature chassis, stable and reliable;
- Ergonomics professional verification, good manoeuvring comfort;
- Adopting Cummins base engine, strong power, good emission;
- Totally enclosed reversible cab, convenient maintenance.

WC19RJ 19-seater 4WD People Mover

- Mature, stable and reliable chassis;
- Ergonomics professional verification, good manoeuvrability and comfort;
- Adopting Cummins base engine, strong power and good emission.



Human car series model parameter summary table

Vehicle Technical Parameters	WC20R(E) 20-seater 4WD People Carrier	WC20R short head 4x2	WC20R Flathead 4x2	WC19RJ
Dimensions (LxWxH)(mm)	(6150±180)(X)(2020±60) X(2300±65)	(6150±100)(X)(2000±50) X(2000±50)	(6150±100)(X)(1950±50) X(2230±50)	5850±170X1980±60X2250±65
Engine	Model Rated power(KW) Maximum output torque(N·m)	KC4107DZLQFB(A) 80 380	KC4107DZLDFB(A) 80 380	KC4107DZLQFB(B) 80kw / 2200r/min 385N·m/1500rpm
Clutch	Diaphragm Spring Clutch	Diaphragm Spring Clutch	Diaphragm Spring Clutch	Single Dry Diaphragm Clutch
Gearbox	Mechanical gearbox	Mechanical gearbox	Mechanical gearbox	Mechanical gearbox
Brake	Service brake Parking brake Emergency braking	Four-wheel braking hydraulic brake, Wet brake Fail-safe wet brake Fail-safe wet brake	Four-wheel braking hydraulic brake, Wet brake Fail-safe wet brake Fail-safe wet brake	Four-wheel braking hydraulic brake, Wet brake Fail-safe wet brake Fail-safe wet brake
Drive form	4X4 time-shift four-wheel drive	4x2	4x2	4X4 time-shift four-wheel drive
Vehicle structure type	Flathead Split Body	Short head unibody	Flathead Split Body	Flathead Split Body
Rated capacity	20 people	20 people	20 people	19 people
Wheelbase(mm)	3300	3400	3300	3100
Wheel base (front/rear)(mm)	1660/1660(front/rear)	1650/1570(front/rear)	1610/1600(front/rear)	1660/1660(front/rear)
Minimum ground clearance(mm)	200	180	180	200
Maximum gradeability(%)	≥ 25(14°)			
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 60° C; Cooling water temperature above 90° 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 680Pa alarm and shutdown			
Explosion-proof electrical systems	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			
Additional description of other technical parameters	Strong power: the original engine is a Cummins engine, with large litre power; good fuel economy: the adoption of high-pressure common rail engine, better fuel economy; good throughput: the adoption of four-wheel-drive structure, the adaptability of the road surface with a good; high security: three sets of independent braking system, to ensure the safety of the vehicle operation; high security: three sets of independent brake system, to ensure the safety of the vehicle operation;			

*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.