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DUMP TRUCK



Q U A L I T Y C H A N G E S T H E W O R L D

SANY INTRODUCTION

SANY was founded in 1989;

Group assets: **\$28** billion;

Construction machinery manufacturing rank;

CHINA **NO.1** and WORLD **NO.2**;

3 Listed companies in the group;

10,146 international authorized patents, **13,140** patent applications, and **219** breakthrough key technologies;

More than **54000** employees all around the world.

DUMP TRUCK OF SANY ENGINEERING VEHICLE INSTITUTE

Sany started the international tipper business in 2018, and the international sales volume reached 1,868 units in 2022, which is the fastest growth rate in the industry.

SANY HONOR



WORLDWIDE TOP SUPPLIERS

Set high requirements on suppliers and expect to provide high quality products and services.



THE RIGHT TRUCK FOR THE RIGHT APPLICATION

For different scenarios such as urban construction and mining, we provide a wide variety of configurations to perfectly match our customers' various requirements.

Engine: 340-490hp, Euro2/3/5

Transmission: 10/12 gears, MT/AMT

Rear axle: i= 4.77/5.26/5.92/6.73

Main frame: 316×90 ×(8+8) / (8+8+4)

Suspension Front: 11/13 tons

Suspension Rear: 22/26 tons

Body: City/Mine; U/Rectangle;

GVW: 55~78tons

URBAN
TRANSPORTATION

ROAD
CONSTRUCTION

PITHEAD
TRANSPORTATION

STRIP
MINING



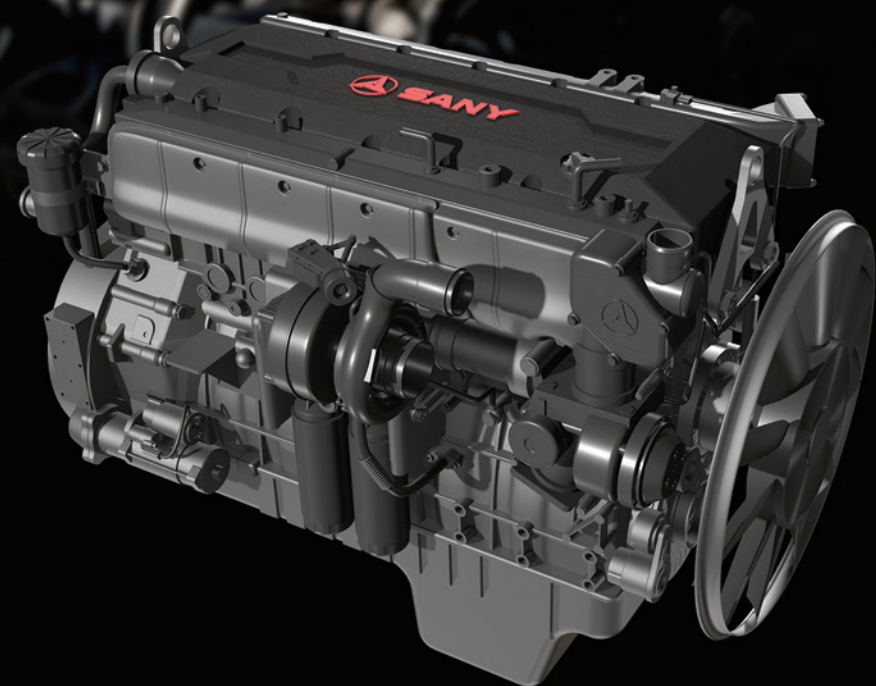
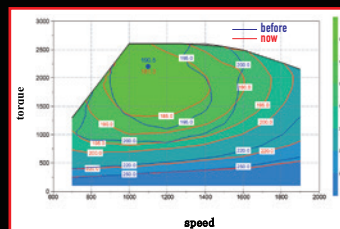
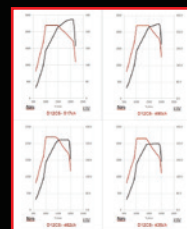
FOCUS ON CUSTOMER PROFITABILITY

INCOME EXTRA 10%

- Horse power range covers **380~490HP** , maximum torque **2200N·m** , strong climb ability, travel fast ,more economical ;
- Power upgrade, great unstuck capability and gradeability, overloading without worries;
- Simulation calculation and road spectrum acquisition improves vehicle performance.

COST SAVINGS UP TO 10%

- **Double vortex combustion chamber**: reduce fuel consumption;
- **Optimized CAM axis**: the camshaft profile design with intake valve closing early and exhaust valve opening early achieve the trade-off between optimal fuel consumption and emission;
- **Economic zone speed**: expand **400** to save fuel ;
- **Active breathing system, oil and gas separator**: free of maintenance ;
- **High transmission efficiency**: optimal matching, to ensure that the actual conditions of the customer vehicle commonly used speed in the economic range.



ROBUST DESIGN

Sany takes into full consideration of the possible tough work condition in harsh environment of the dump trucks, assures the reliability of the product through rigorous testing, super load bearing capacity design, and keeps the vehicle in good working state at all times.

TOUGH ROAD TEST

- **15,000KM** strict full load test on intensive road at SANY vehicle testing site.
- Over **3000km** cold area test and over **10,000km** extremely tough test in Baokang dump truck test site with full load.

HIGH STRENGTH SUSPENSION SYSTEM

- **316mm** height and 8mm+8mm thickness chassis frame, stronger than competitors;
- 9 tons front axle (capacity **12T**) + **2×16T** rear axle (capacity **2×22T**), reliable carrying capacity ;
- 10 leaf springs front suspesion system and **12** leaf springs rear suspension system. GVW ranges from **55** tonnes to **78** tonnes. Increase payload with **20%**.

COMPREHENSIVE PROTECTION SYSTEM

- Equipped with radiator protection, oil pan protection plate, headlight and taillight shield.

TRANSMISSION TORQUE REDUNDANCY (20% UP) TO IMPROVE ANTI-ROUGHNESS



COLD REGION TEST



ROUGH ROAD



HEAVY LOAD UP&DOWN HILL



WADING TEST



SPRAY WATER RESISTANCE TEST



OUTSTANDING CROSSING ABILITY

OFFROAD WORKING OPTIMIZATION, STRONGER TRAFFICABILITY PERFORMANCE

- Approach angle $\geq 26^\circ$, departure angle $\geq 34^\circ$, minimum ground clearance $\geq 300\text{mm}$, chassis core components such as fuel tank, air storage, air filter height $\geq 550\text{mm}$, radiator $\geq 650\text{mm}$.
- Optional **12.00 R24** tires, higher ground clearance, better passability.
- Well protection of chassis components assures the safety under off road working condition, smaller turning radius, ensures crossing in small space.

UNSTUCK CAPABILITY FOR COMPLICATED GROUND

- Standard with wheel differential lock, axial differential lock, Hub-reduction driving axle;
- Optional: Acceleration Slip Regulation (**ASR**) system, improve the drive performance of slippery road conditions.



COMFORTABLE DRIVING

Through ergonomic optimization design, it is convenient for the driver to operate.

- Multifunctional steering wheel
- Cruise (above Euro III)-optional
- LCD screen -optional
- Electric window lifts
- Electric rearview mirror -optional
- Air suspension seat
- Sleeper and storage space
- Air conditioning/independent heater(optional for cold area)
- Pneumatic Gear Shift Assistance



SAFETY FIRST

Efficient braking system and safety assistance, to ensure the safe operation of drivers and vehicles.

RELIABLE BRAKING SYSTEM

- Rated pressure **12bar**;
- **KNORR** parts;
- Match **engine braking** technology for Euro 3 and above models;
- **Bimetal** brake drum.

DRIVING SAFETY

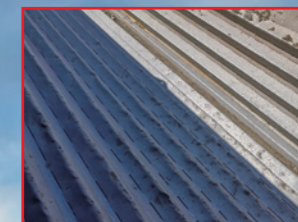
- No dead Angle view mirror, optional **360°** view
- Standard with **ABS**
- Optional **ASR**
- Optional **LDWS/FCWS**
- Optional **TPS/BAWS**



RELIABLE AND DURABLE SUPERSTRUCTURE

Chassis mounted integration, a variety of container specifications, suitable for different working conditions.

- City construction and mining applications
- A wide selection of materials and thicknesses
- Special superstructure for large stones
- U shape/rectangle
- Four flip/six flip lift is stable and reliable
- Straight tail door/diagonal tail door
- Long life: high strength materials/robot welding/powder spraying technology



INDONESIA

STRONG POWER AND BETTER DRIVE EXPERIENCE

Higher horse power engine ranges from 380 to 430 horse power, higher efficiency powertrain with strong load capability gives you confidence to overcome tough work conditions everywhere.Comfortable 318 cabin offers better experience for drivers.

ROBUST DESIGN WITH HIGH DURABILITY IN HARSH ENVIRONMENT

Outstanding adaptability ensures stable operation under harsh working conditions in mining area. Reinforced 316mm height, 8mm+8mm thickness chassis frame offers outstanding durability. Sufficient tests and scientific simulations ensure reliability and trustworthy quality.

INTELLIGENT AND SAFETY

MachineLink+ Terminal allows operators to monitor truck's state and location in real time.This helps operators to improve drive habit in order to reduce fuel consumption. The truck's GPS location can be tracked by managers, which helps to trace the truck's journey or set geofence.Result in safe operation of the trucks.



Indonesia series dump truck model configuration and working conditions recommended 2023-5						
type			SYZ324C-8W (R)		SYZ324C-8Y (R)	
			Nickel ore transportation			
			Standard Model Direct transmission i=5.92		Standard Model Direct transmission i=5.92	
			ZZX100000379		ZZX100000359	
Vehicle parameters	Dimension (LxWxH)mm		8800×2540×3540		8800×2540×3540	
	Wheel base mm		4000+1400		4000+1400	
	Curb Weight		16.2t		16.2t	
	Full Load Weight		55t		55t	
	Economic speed range		41-55		37-51	
	Rated maximum speed		75		75	
	Permissible maximum speed		88		77	
Cargo	24m³ (5800*2300*1800mm)		●		●	
Cargo	20m³ (5800*2300*1500mm)		X		X	
Cargo	31m³ (6200*2500*2000mm)		X		X	
Cargo	Rectangular		X		X	
	U-Type		●		●	
	Flat floor		●		●	
	Upwarp floor		○		○	
	Tail door		○		●	
	No tail door		X		X	
Cab	Cab Model		318 Lengthened flat roof			
	Door lock and window		Remote key, central lock, electric glass lifting			
	Other configuration		Single sleeper, wraparound instrument table, air conditioner, radio (with Bluetooth, USB and SD card interface, can connect with mobile phone to make calls, play music), sun visor, 2kg fire extinguisher, three steps (third level activity)			
Chassis parameters	Engine	Model	WP10.380E32, Euro II , 9.726		YC6MK400-33, Euro II , 10.338	
		Rated power/speed (kW/rpm)	280/2200		294/2200	
		Maximum torque/speed (N.m/rpm)	1460/1200-1600		1800/1100-1500	
	Clutch		φ 430			
	Transmission		12/SD200T-B (Fast), Ratio 15.53-1			
	Front axle	Type	9.5T (HANDE)			
		Others	waterproof axle			
	Drive axle	Type	16T (HANDE) i=5.92			
		Differential lock	Differential lock between wheels and shafts			
		Others	waterproof axle			
	Tyre		12.00R20 PR22 Mine tyre		12.00R20 PR18 Mine tyre	
	Frame		940-860×316×(8+8)			
	front suspension		10 leafs (width 80mm, thickness 18mm multiple-leaf spring+ shock absorber)			
	rear suspension		12 leafs (width 90mm, thickness 28mm+25mm multiple-leaf spring+Four horse integrated balance shaft)			
	Breaking		Pneumatic double circuit drum brake			
	Fuel tank		300L (aluminum)			
	Battery		Low temperature 165Ah			
Optional	Tree Root IoT Terminal		●		●	
	12.00R20 PR22 Mine tyre		●		○	
	Intercooler protection		●		●	
	Headlight and side light guard mesh		●		●	
			Typical scene: No-urban road/Nickel ore transportation Typical road: unpaved, pothole/soft/compact-dominated, paved road with small proportion, no turning radius restriction. GVW: ≤55t General used speed: Full load 10-30km/h (off highway) Empty load 20-40km/h (off highway) Maximum speed: no typical demand, ≤70km/h			
Note: X- does not adopt; ○ - Optional (Class C orders); ● - Standard; The above configuration parameters are for reference. The manufacturer reserves the right to change them without prior notice. The right to interpret them is reserved by the manufacturer						

Indonesia series dump truck model configuration and working conditions recommended 2023-5					
type		SYZ320C-8W (R)		SYZ331C-8W (R)	
		Mine stripping transportation		Coal transportation	
		Standard Model Direct transmission i=5.92		Standard Model Direct transmission i=5.92	
		ZZX100000440		ZZX100000377	
Vehicle parameters	Dimension (LxWxH)mm	8800×2540×3580		9150×2690×3680	
	Wheel base mm	4200+1400		4200+1400	
	Curb Weight	16.2t		16.5t	
	Full Load Weight	65t		65t	
	Economic speed range	34-48		34-48	
	Rated maximum speed	65		65	
	Permissible maximum speed	75		75	
Cargo	24m³ (5800*2300*1800mm)	X		X	
Cargo	20m³ (5800*2300*1500mm)	●		X	
Cargo	31m³ (6200*2500*2000mm)	X		●	
Cargo	Rectangular	X		●	
	U-Type	●		X	
	Flat floor	●		●	
	Upwarp floor	X		X	
	Tail door	X		●	
	No tail door	●		X	
Cab	Cab Model	318 Lengthened flat roof			
	Door lock and window	Remote key, central lock, electric glass lifting			
	Other configuration	Single sleeper, wraparound instrument table, air conditioner, radio (with Bluetooth, USB and SD card interface, can connect with mobile phone to make calls, play music), sun visor, 2kg fire extinguisher, three steps (third level activity)			
Chassis parameters	Engine	Model	WP12.430E201, Euro II , 11.596		
		Rated power/speed (kW/rpm)	316/1900		
		Maximum torque/speed (N.m/rpm)	2000/1000-1400		
	Clutch		φ 430		
	Transmission		12JSDX240T (Fast),Ratio 13.15-1		
	Front axle	Type	9T (SANHUAN)		
		Others	waterproof axle		
	Drive axle	Type	16T (BEIBEN)i=5.92		
		Differential lock	Differential lock between wheels and shafts		
		Others	waterproof axle		
	Tyre		12.00R20 PR18 Mine tyre		
	Frame		940-860×316×(8+8)		
	front suspension		10 pieces (width 90mm, thickness 20mm multi-piece spring + shock absorber)		
	rear suspension		12 pieces (width 90mm, thickness 30mm+28mm multi-spring + four-horse integrated balance shaft)		
	Breaking		Pneumatic double circuit drum brake		
	Fuel tank		400L (aluminum)		
	Battery		Low temperature 165Ah		
Optional	Tree Root IoT Terminal	●		●	
	12.00R20 PR22 Mine tyre	○		○	
	Intercooler protection	●		●	
	Headlight and side light guard mesh	●		●	
		Typical scene: No-urban road/Mine stripping transportation Typical road: unpaved, pothole/soft/compact-dominated, paved road with small proportion, no turning radius restriction. GVW: ≤65t General used speed: Full load 10-30km/h (off highway) Empty load 20-40km/h (off highway) Maximum speed: no typical demand, ≤70km/h		Typical scene: No-urban road-coal transportation Typical road: unpaved, pothole/soft/compact-dominated, paved road with small proportion, no turning radius restriction. GVW: ≤65t General used speed: Full load 10-30km/h (off highway) Empty load 20-40km/h (off highway) Maximum speed: no typical demand, ≤70km/h	
Note: X- does not adopt; ○ - Optional (Class C orders); ● - Standard; The above configuration parameters are for reference. The manufacturer reserves the right to change them without prior notice. The right to interpret them is reserved by the manufacturer					

Indonesia series dump truck model configuration and working conditions recommended 2023-5				
type		SYZ440C-8W(R)		SYZ434C-8W (R)
		Coal transportation		Nickel ore transportation
		Standard Model Direct transmission i=5.92		Standard Model Direct transmission i=5.92
		ZZX100000376		ZZX100000442
Vehicle parameters	Dimension (LxWxH)mm	11600×2540×3680		11000×2540×3680
	Wheel base mm	2000+4600+1400		2000+4200+1400
	Curb Weight	20t		20t
	Full Load Weight	78t		78t
	Economic speed range	34-48		34-48
	Rated maximum speed	65		65
	Permissible maximum speed	75		75
Cargo	34m³ (8000*2350*1800mm)	X		●
Cargo	40m³ (8600*2350*2000mm)	●		X
Cargo	Rectangular	●		●
	U-Type	X		X
	Flat floor	●		●
	Upwarp floor	X		X
	Tail door	●		●
	No tail door	X		X
Cab	Cab Model	318 Lengthened flat roof		
	Door lock and window	Remote key, central lock, electric glass lifting		
	Other configuration	Single sleeper, wraparound instrument table, air conditioner, radio (with Bluetooth, USB and SD card interface, can connect with mobile phone to make calls, play music), sun visor, 2kg fire extinguisher, three steps (third level activity)		
Chassis parameters	Engine	Model	WP12.430E201, Euro II , 11.596	
		Rated power/speed (kW/ rpm)	316/1900	
		Maximum torque/speed (N.m/rpm)	2000/1000-1400	
	Clutch		φ 430	
	Transmission		12JSDX240T (Fast),Ratio 13.15-1	
	Front axle	Type	9.5T (HANDE)	
		Others	Self-adjusting arm, waterproof axle	
	Drive axle	Type	16T (HANDE) i=5.92	
		Differential lock	Differential lock between wheels and shafts	
		Others	Self-adjusting arm, waterproof axle	
	Tyre		12.00R20 PR18 Mine tyre	
	Frame		940-860×316×(8+8)	
	front suspension		10 pieces (width 90mm, thickness 20mm multi-piece spring + shock absorber)	
	rear suspension		12 pieces (width 90mm, thickness 30mm+28mm multi-spring + four-horse integrated balance shaft)	
	Breaking		Pneumatic double circuit drum brake	
	Fuel tank		400L (aluminum)	
	Battery		Low temperature 165Ah	
Optional	Tree Root IoT Terminal	●		●
	12.00R20 PR22 Mine tyre	○		○
	Intercooler protection	●		●
	Headlight and side light guard mesh	●		●
		Typical scene:No-urban road-coal transportation Typical road: unpaved, pothole/soft/compact-dominated, paved road with small proportion, no turning radius restriction. GVW: ≤78t General used speed: Full load 10-20km/h (off highway) Empty load 20-30km/h (off highway) Maximum speed: no typical demand, or ≤70km/h	Typical scene: No-urban road/Nickel ore transportation Typical road: unpaved, pothole/soft/compact-dominated, paved road with small proportion, no turning radius restriction. GVW: ≤78t General used speed: Full load 10-20km/h (off highway) Empty load 20-30km/h (off highway) Maximum speed: no typical demand, or ≤70km/h	
Note: X- does not adopt; ○ - Optional (Class C orders); ● - Standard; The above configuration parameters are for reference. The manufacturer reserves the right to change them without prior notice. The right to interpret them is reserved by the manufacturer				

VIETNAM

LIGHT WEIGHT DESIGN

The chassis with strong innovated steel is designed 5% lighter than its competitors, which makes the truck carry extra load for each trip and helps the customer to gain extra profit.

HIGH QUALITY

With the ergonomic design of SANY 318 cab, it is comfortable, intelligent, and easy to drive. The cab meets the European standard regulation that requires a robust cabin structure.

LOWER FUEL CONSUMPTION

SANY Deutz D09 Engine with German quality, high horsepower, and high torque, its fuel consumption is 10% lower than its competitors. Thus, the SYZ414 also provides its customer higher profit and shorter payback cycle.



Vietnam SYZ414			
Product Model			SYZ414C-8S(V)
			Standard Model
			ZZX100000466
Vehicle Parameters	Dimension (L×W×H)(mm)		9300×2500×3450
	Wheel Base(mm)		2000+2800+1400
	Curb Weight(kg)		14.5t
	Full Load Weight(kg)		50t
	Economic Speed Range (Maximum Gear)		37-58
	Permissible Maximum Speed-2200rpm		80
Truck Body	14m³		●
	Rectangle Cargo		○
	U type Cargo		●
Cabin	Type		318 Standard Roof with Single Sleeper
	Other		Single sleeper, wraparound instrument table, air conditioner, radio (with Bluetooth, USB and SD card interface, can connect with mobile phone to make calls, play music), sun visor, 2kg fire extinguisher, three steps (third level activity)
Chassis Parameter	Engine	Type	D09C5-380E3, Euro V , 8.7L
		Rated Power(kW/rpm)	280/1900
		Maximum Torque (N.m/rpm)	1700/1100-1500
	Clutch	type	φ 430
		Transmission	Type
	Differential Ratio		12.10 - 0.78
	Front Axle	Type	7.5T
		Other	ABS, waterproof axle
	Middle and Rear Axle	Type	13T
		Differential Ratio	5.73
		Differential Lock	●
	Tires	Size	12.00R20
	Frame		940-860×300×(8+4)
	Front Suspension		8 Leaf Springs
	Rear Suspension		10 Leaf Springs
	Braking	Type	Pneumatic double circuit, front and rear drum type,ABS
	Fuel Tank	Volume	400L (Aluminum)
	Battery	Capacity	165Ah
	Optional	Headlamp and Taillights Protection	
Chassis Tool Box		○	
Applicable Scenarial (Recommend)			Typical Scene: Urban Construction, Suburban Transfer Typical Road: Paved Road, Highway, Minimal Turning Radii Limitation Designed Gross Vehicle Weight: ≤50t Regular Speed: Full Load 50-80km/h (Highway) Empty Load: 60-90km/h (Heighway) Maximum Speed: Usually ≤100km/h
Note: X- does not adopt; ○ - Optional (Class C orders); ● - Standard; The above configuration parameters are for reference. The manufacturer reserves the right to change them without prior notice. The right to interpret them is reserved by the manufacturer			

RUSSIA

STRONG POWER AND FAST CLIMBING SPEED

460 horsepower , great climbing ability in highway and mine transportation application. Extra trip every day for better profit.

MORE LOADING. MORE DURABLE

9.5T front axle, 16T rear axle, 316 height, 8 + 8 double layer frame, T55 balance suspension, four turn stronger bearing capacity, high strength wear resistant steel. The tail gate is also strengthened for bertter superstrcture.

EXTREMELY SAFE AND SECURE

Reliability test is carried out in various working conditions, which ensures the normal operation of vehicles for a long life cycle.
Cold area package configuration ensures more reliable operation under low temperature environment. Metal frame structure and white body guarantees personal safety.



Russia Dumper configuration and work condition recommendation 6×4				
Product Model			SYZ320C-85(V) (Main Selling)-Deutz Engine	
			Standard Model Direct transmission i=5.26	Luxury Model Direct transmission i=5.26
			ZZX200000271ZZX100000474	
Vehicle parameter	Dimension (L×W×H)(mm)		8800×2540×3580	
	Wheel Base(mm)		4000+1400	
	Curb Weight(kg)		16500	
	Full Load Weight(kg)		55000-65000	
	Economic Speed Range (Maximum Gear)		37-58	
	Rated Maximum Speed-1900rpm		71	
Permissible Maximum Speed-2200rpm		82		
Body	20m³ (5800*2350*1500mm)		●	●
	27m³ (5800*2350*2000mm)		○	○
	Rectangle Cargo		●	●
	U type Cargo		○	○
Cab	Cab Model		318 cab, Standard Roof with single bed	
	Others		Remote Key, Central Lock, Electric Glass Lifting Independent warm air (Jingwei 4kw)	
Chassis	Engine	Model	D12C5-462E0 (Deutz, 12.12L, Euro V , Engine-Brake)	
		Rated power (kW/rpm)	340/1900	
		Maximum torque (N.m/rpm)	2200/1000-1400	
		Clutch	φ 430	
	Gearbox		12JSDX240T (Fast), Ratio 13.15-1	
	Front axle	Type	9.5T (HANDE)	
		Others	Self-adjusting arm, ABS, brake pad wear alarm, waterproof axle	
	Drive axle	Type	16T (HANDE) i=5.26	
		Differential lock	Differential lock between wheels and differential lock between shafts	
		Others	Self-adjusting arm, ABS, brake pad wear alarm, waterproof axle	
	Tyre		315/80R22.5 ● 12.00R20 ○	
	Frame		940-860×316×(8+8)	
	Front suspension		10 leafs (width 80mm, thickness 18mm multiple-leaf spring)	
	Rear suspension		12 leafs (width 90mm, thickness 28mm+25mm multiple-leaf spring+Four horse integrated balance shaft)	
	Braking		Pneumatic double circuit drum brake, ABS+ESC	
	Fuel tank		400L (aluminum)	
	Battery		Low temperature 180Ah	
Cold region configuration	Tank heating, fuel heating, inlet preheating (cold start)		●	●
Optional	LCD multimedia screen (body)		×	●
	Multifunctional steering wheel		×	●
	360 view		×	●
	Integral rearview mirror (body)		×	●
	Electric cab lift (body)		×	●
	Ignition key integration (body)		×	●
Applicable Scene (Recommend)			Mine/urban foundation trench	
			Typical mine: gold mine short mileage transportation, mine stripping Typical road: unpaved, pothole/soft/compact dominated, paved road accounts for a small proportion GVW: 55-65t General used speed: Full load 10~20km/h (off highway) Empty load 20~30km/h (off highway) Maximum speed: no typical demand, or ≤70km/h	
Note: X-without; ○ -Optional; ● -Standard ; The above configuration parameters are for reference. The manufacturer reserves the right to change them without prior notice. The right to interpret them is reserved by the manufacture				

Russia Dumper configuration and work condition recommendation 6x4					
SYZ320C-85(V) (Main Selling)-Deutz Engine				SYZ320C-8W(V) -Weichai Engine	
Standard Model Overdrive transmission i=5.26	Luxury Model Overdrive transmission i=5.26	Standard Model Overdrive transmission i=4.77	Luxury Model Overdrive transmission i=4.77	Standard with overdrive gear i=5.92	
by class C orders	by class C orders	by class C orders	by class C orders	ZZX200000270	
8800×2540×3580					
4000+1400					
16500				16500	
55000-65000				45000-55000	
48-74		53-82		42-66	
91		100		81	
105 (SW speed limited at 90)		116 (Limit speed 90 by software)		94 (SW speed limited at 90)	
●	●	●	●	●	
○	○	○	○	○	
●	●	●	●	●	
○	○	○	○	○	
318 cab、 Standard Roof with single bed					
Remote Key, Central Lock, Electric Glass Lifting					
Independent warm air (Jingwei 4kw)					
D12C5-462E0 (Deutz, 12.12L, Euro V , Engine-Brake)				WP10.336E53 (Weichai, 9.726L, Euro V , Exhaust braking)	
340/1900				247/1900	
2200/1000-1400				1550/1200-1500	
φ 430				φ 430	
12JSDX240TA (Fast), Ratio 13.15-1		12JSDX240TA(Fast), Ratio 12.10-0.78		12JSD160TA (Fast), Ratio 12.10-0.78	
9.5T (HANDE)				7.5T(HANDE)	
Self-adjusting arm, ABS, brake pad wear alarm, waterproof axle				Self-adjusting arm, ABS, brake pad wear alarm, waterproof axle	
16T (HANDE) i=5.26		16T (HANDE) i=4.77		16T (HANDE) i=5.92	
Differential lock between wheels and differential lock between shafts				Differential lock between wheels and differential lock between shafts	
Self-adjusting arm, ABS, brake pad wear alarm, waterproof axle				Self-adjusting arm, ABS, brake pad wear alarm, waterproof axle	
315/80R22.5 ● 12.00R20 ○				12.00R20	
940-860×316×(8+8)				940-860×316×(8+8)	
10 leafs (width 80mm, thickness 18mm multiple-leaf spring)				10 leafs (width80mm, thickness18mm)	
12 leafs (width 90mm, thickness 28mm+25mm multiple-leaf spring+F our horse integrated balance shaft)				12leafs (width 90mm, thickness 28mm+25mm)	
Pneumatic double circuit drum brake, ABS+ESC				Pneumatic double circuit drum brake, ABS+ESC	
400L (aluminum)				400L (aluminum)	
Low temperature 180Ah				Low temperature 180Ah	
●	●	●	●	●	
x	●	x	●	x	
x	●	x	●	x	
x	●	x	●	x	
x	●	x	●	x	
x	●	x	●	x	
x	●	x	●	x	
Urban road construction		Urban road construction		Urban road construction	
Typical scene: muck road transportation around Moscow Typical road: non-paved road both loading and unloading sides, accounting for a small proportion, in and out of the compact road , good condition; The middle is paved with asphalt, two - way fast lane General used speed:km/h Full load 30 (off highway), 65 (highway) Empty load 50 (off highway), 70 (highway) Maximum speed: km/h Full load 80 (highway), Empty load 90 (highway)		Typical scene: muck road transportation around Moscow Typical road: non-paved road both loading and unloading sides, accounting for a small proportion, in and out of the compact road , good condition; The middle is paved with asphalt, two - way fast lane General used speed:km/h Full load 30 (off highway), 65 (highway) Empty load 50 (off highway), 70 (highway) Maximum speed: km/h Full load 80 (highway), Empty load 100 (highway)		Typical scene: around Moscow Typical road: non-paved road both loading and unloading sides, accounting for a small proportion, in and out of the compact road , good condition; The middle is paved with asphalt, two - way fast lane GVW: 45-55t General used speed:km/h Full load 30 (off highway), 65 (highway) Empty load 50 (off highway), 70 (highway) Maximum speed: km/h Full load 70 (highway), Empty load 90 (highway)	
Note: X-without; ○ -Optional, ● -Standard ; The above configuration parameters are for reference. The manufacturer reserves the right to change them without prior notice. The right to interpret them is reserved by the manufacture					

RUSSIA

STRONG POWER AND FAST CLIMBING SPEED

460 horsepower , great climbing ability in highway and mine transportation application. Extra trip every day for better profit.

MORE LOADING. MORE DURABLE

9.5T front axle, 16T rear axle, 316 height, 8 + 8 double layer frame, T55 balance suspension, four turn stronger bearing capacity, high strength wear resistant steel. The tail gate is also strengthened for berttter superstrcuture resistance.

EXTREMELY SAFE AND SECURE

Reliability test is carried out in various working conditions, which ensures the normal operation of vehicles for a long life cycle.
Cold area package configuration ensures more reliable operation under low temperature environment. Metal frame structure and white body guarantees personal safety.



Russia Dumper configuration and work condition recommendation 8×4				
type			SYZ436C-8S(V) Sany Deutz Engine (main sales)	
			Standard Model Direct transmission i=5.26	Luxury Model Direct transmission i=5.26
			ZZX200000460	vehicle numbel Waiting for application
Vehicle parameters	Dimension (LxWxH)mm	standard	10600×2550×3680 (length of cargo 7600)	
		optional	10200×2550×3680 (length of cargo 7200), 11000×2550×3680 (length of cargo 8000), 11200×2550×3680 (length of cargo 8200)	
	Wheel base mm	standard	2000+3900+1400 (length of cargo 7600)	
		optional	2000+3600+1400 (length of cargo 7200), 2000+4200+1400 (length of cargo 8000,8200)	
	Curb Weight(kg)		23500	
	Full Load Weight(kg)		70000	
	Economic speed range		37-58	
	Rated maximum speed (1900rpm)		71	
Permissible maximum speed (2200rpm)		82		
Body 2350mm width	2000mm high		36m³ (7600mm length) ● , 34m³ (7200mm length) ○ , 38m³ (8000mm length) ○ , 39m³ (8200mm length) ○	
	1500mm high		27m³ (7600mm length) ○ , 26m³ (7200mm length) ○ , 28m³ (8000mm length) ○ , 29m³ (8200mm length) ○	
Cargo Type	Type		Rectangular ● , U-Type ○	
	Tail		Vertical Tailgate ● , Inclined Tailgate ○	
Cab	Model		318 cab,Standard Roof with single bed	
	Others		Remote Key, Central Lock, Electric Glass Lifting; Independent warm air (4kw)	
Chassis parameters	engine	Model	D12C5-490E0 (Deutz, 12.12L, Euro V , Engine-Brake)	
		Rated power (kW/rpm)	360/1900	
		Maximum torque (N.m/rpm)	2200/1000-1400	
	clutch		ϕ 430	
	transmission		12JSDX240TB (Fast), Ratio 15.53-1	
	front axle	Model	9.5T (HANDE)	
		other	Self-adjusting arm, ABS, brake pad wear alarm, waterproof axle	
	Drive axle	Model	16T (HANDE) i=5.26	
		Differential lock	Differential lock between wheels and differential lock between shafts	
		other	Self-adjusting arm, ABS, brake pad wear alarm, waterproof axle	
	Tyre		315/80R22.5 ● , 12.00R20 ○	
	frame		940-860 * 316 * (8 + 8 + 4)	
	front suspension		10 leafs (width 80mm, thickness 18mm multi-piece spring + shock absorber)	
	rear suspension		12 leafs (width 90mm, thickness 28mm+25mm multi-spring + four-horse integrated balance shaft)	
	brake		Pneumatic double circuit drum brake, ABS+ESC	
fuel tank		400L ● (aluminum) , 600L ○ (aluminum)		
battery		Low temperature 180Ah		
Cold region configuration	Tank heating, fuel heating, inlet preheating (cold start)		●	●
Optional	LCD multimedia screen (body)		×	●
	Multifunctional m³ directional disk		×	●
	360 view		×	●
	Integral rearview mirror (body)		×	●
	Electric cab lift (body)		×	●
	Ignition key integration (body)		×	●
Application Scenario (Recommended)			Mine/urban foundation trench	
			Typical mine: gold mine short mileage transportation, mine stripping Typical road: unpaved, pothole/soft/compact dominated, paved road accounts for a small proportion GVW: 55-65t General used speed: Full load 10-20km/h (off highway) Empty load 20-30km/h (off highway) Maximum speed: no typical demand, or ≤70km/h	
Note: X- does not adopt; ○ - Optional (Class C orders); ● - Standard; The above configuration parameters are for reference. The manufacturer reserves the right to change them without prior notice. The right to interpret them is reserved by the manufacturer				

Russia Dumper configuration and work condition recommendation 8x4					
SYZ436C-8S(V) Sany Deutz Engine (main sales)				SYZ436C-8W(V) Weichai Engine(non-main sales)	
Standard Model Overdrive transmission i=5.26	Luxury Model Overdrive transmission i=5.26	Standard Model Overdrive transmission i=4.77	Luxury Model Overdrive transmission i=4.77	standard Direct transmission i=5.26	standard Overdrive transmission i=5.26
by class C orders	vehicle numbel Waiting for application	by class C orders	vehicle numbel Waiting for application	by class C orders	ZZX200000461
10600×2550×3680 (length of cargo 7600)					
10200×2550×3680 (length of cargo 7200), 11000×2550×3680(length of cargo 8000), 11200×2550×3680 (length of cargo 8200)					
2000+3900+1400 (length of cargo 7600)					
2000+3600+1400 (length of cargo 7200), 2000+4200+1400 (length of cargo 8000, 8200)					
23500				23500	
70000				70000	
48-74		53-82		37-58	
91		100		71	
105 (Limit speed 90 by software)		116 (Limit speed 90 by software)		82	
36m³ (7600mm length) ● , 34m³ (7200mm length) ○ , 38m³ (8000mm length) ○ , 39m³ (8200mm length) ○					
27m³ (7600mm length) ○ , 26m³ (7200mm length) ○ , 28m³ (8000mm length) ○ , 29m³ (8200mm length) ○					
Rectangular ● , U-Type ○					
Vertical Tailgate ● , Inclined Tailgate ○					
318 cab- Standard Roof with single bed					
Remote Key, Central Lock, Electric Glass Lifting; Independent warm air (4kw)					
D12C5-490E0 (Deutz, 12.12L, Euro V , Engine-Brake)				WP12.430E50 (Weichai, 11.596L, Euro V , Exhaust breaking)	
360/1900				316/1900	
2200/1000-1400				2060/1000-1400	
ϕ 430				ϕ 430	
12JSDX240TA (Fast) , Ratio 12.1-0.78		12JSDX240TA (Fast), Ratio 12.1-0.78		12JSDX240TB (Fast), Ratio 15.53-1	12JSDX240TA (Fast), Ratio 12.1-0.78
9.5T (HANDE)					
Self-adjusting arm, ABS, brake pad wear alarm, waterproof axle				Self-adjusting arm, ABS, brake pad wear alarm, waterproof axle	
16T (HANDE) i=5.26		16T (HANDE) i=4.77		16T (HANDE) i=5.26	
Differential lock between wheels and differential lock between shafts				Differential lock between wheels and differential lock between shafts	
Self-adjusting arm, ABS, brake pad wear alarm, waterproof axle				Self-adjusting arm, ABS, brake pad wear alarm, waterproof axle	
315/80R22.5 ● , 12.00R20 ○ 940-860 * 316 * (8 + 8 + 4)				315/80R22.5 ● , 12.00R20 ○ 940-860 * 316 * (8 + 8 + 4)	
10 leafs (width 80mm, thickness 18mm multi-piece spring + shock absorber)				10 leafs (width 80mm, thickness 18mm multi-piece spring + shock absorber)	
12 leafs (width 90mm, thickness 28mm+25mm multi-spring + four-horse integrated balance shaft)				12 leafs (width 90mm, thickness 28mm+25mm multi-spring + four-horse integrated balance shaft)	
Pneumatic double circuit drum brake, ABS+ESC				Pneumatic double circuit drum brake, ABS+ESC	
400L ● (aluminum), 600L ○ (aluminum)				400L (aluminum)	
Low temperature 180Ah				Low temperature 180Ah	
●	●	●	●	●	●
x	●	x	●	x	x
x	●	x	●	x	x
x	●	x	●	x	x
x	●	x	●	x	x
x	●	x	●	x	x
x	●	x	●	x	x
Urban road construction		Urban road construction		Mine/urban foundation trench	
Typical scene: muck road transportation around Moscow Typical road: non-paved road both loading and unloading sides, accounting for a small proportion, in and out of the compact road , good condition; The middle is paved with asphalt, two - way fast lane General used speed:km/h Full load 30 (off highway), 65 (highway) Empty load 50 (off highway), 70 (highway) Maximum speed: km/h Full load 80(highway), Empty load 90(highway)		Typical scene: muck road transportation around Moscow Typical road: non-paved road both loading and unloading sides, accounting for a small proportion, in and out of the compact road , good condition; The middle is paved with asphalt, two - way fast lane General used speed:km/h Full load 30 (off highway), 65 (highway) Empty load 50 (off highway), 70 (highway) Maximum speed: km/h Full load 80(highway), Empty load 100(highway)		Typical mine: gold mine short mileage transportation, mine stripping Typical road: unpaved, pothole/soft/compact dominated, paved road accounts for a small proportion GVW: 55-65t General used speed: Full load 10-20km/h (off highway) Empty load 20-30km/h (off highway) Maximum speed: no typical demand, or ≤70km/h	
Typical road: non-paved road both loading and unloading sides, accounting for a small proportion, in and out of the compact road , good condition; The middle is paved with asphalt, two - way fast lane General used speed:km/h Full load 30 (off highway), 65 (highway) Empty load 50 (off highway), 70 (highway) Maximum speed: km/h Full load 80(highway), Empty load 90(highway)		Typical road: non-paved road both loading and unloading sides, accounting for a small proportion, in and out of the compact road , good condition; The middle is paved with asphalt, two - way fast lane General used speed:km/h Full load 30 (off highway), 65 (highway) Empty load 50 (off highway), 70 (highway) Maximum speed: km/h Full load 80(highway), Empty load 90(highway)		Typical road: non-paved road both loading and unloading sides, accounting for a small proportion, in and out of the compact road , good condition; The middle is paved with asphalt, two - way fast lane General used speed:km/h Full load 30 (off highway), 65 (highway) Empty load 50 (off highway), 70 (highway) Maximum speed: km/h Full load 80(highway), Empty load 90(highway)	
Note: X- does not adopt; ○ - Optional (Class C orders); ● - Standard; The above configuration parameters are for reference. The manufacturer reserves the right to change them without prior notice. The right to interpret them is reserved by the manufacturer					

SAUDI ARABIA/MIDDLE EAST

STRONG POWER AND BETTER DRIVE EXPERIENCE

Higher horse power engine offers up to 490 horse power, higher efficiency powertrain with strong load capability gives you confidence to overcome tough work conditions everywhere.Comfortable 318 cabin offers better experience for drivers.

ROBUST DESIGN WITH HIGH DURABILITY IN HARSH ENVIRONMENT

Run well in 50 C higher environment with heavy payload, Air intake filter designed for working in dusty area.Sufficient tests and scientific simulations ensure its reliable and trustworthy quality.

INTELLIGENT AND SAFE

MachineLink+ Terminal allows operators to monitor truck's state and location in real time.This helps operators to improve drive habit in order to reduce fuel consumption.
The truck's GPS location can be tracked by managers, which helps to trace the truck's journey or set geofence.Result in safe operation of the trucks.



Saudi Arabia Dumper configuration and work condition recommendation 6x4				
Product Model			SYZ320C-8Y	
			Standard Model (Mine Work condition)	Optional Model (City Work Condition)
			ZZX100000462	By Order
Vehicle parameter	Dimension (L×W×H)(mm)		8800×2540×3580	8800×2540×3580
	Wheel Base (mm)		4000+1400	
	Curb Weight (kg)		16500	
	Full Load Weight (kg)		55000	
	Economic Speed Range (Top gear)		30-56	48-74
	Rated Maximum Speed (1900rpm)		71	91
	Permissible Maximum Speed (2100rpm)		82	105 (limited to 90 by software)
Cargo	20m³ (5800*2300*1500mm)		●	
	Rectangle-Type		●	
	24m³ (5800*2300*1800mm)		○	
	U-Type		○	
Cabin	Cabin Model		318Lcabin、 Standard Roof with single bed	
	Others		Remote Key, Central Lock, Electric Window Lifting,Air Condition,Multimedia Player with Radio, Air Suspension driver seat, Multifunction Dashboard with LED screen Display	
Chassis	Engine	Model	YC6MK400-30 (Yuchai,Euro III, 10.338L)	
		Rated power (kW/rpm)	294/1900	
		Maximum torque (N.m/ rpm)	1800/1100-1500	
		Auxiliary brake	Exhaust Brake	
	Clutch		Ø430	
	Trasmission		12J5D200T-B (Fast), Ratio 15.53-1	12JSDX240TA(Fast), Ratio 12.1-0.78
	Front axle		9T	
			ABS, waterproof axle	
	Drive axle		2×16T, i=5.26	
			Differential lock between wheels and differential lock between shafts	
			ABS, waterproof axle	
	Tyre		315/80R22.5 ● 12.00R20 ○	
	Frame		610L high strength steel frame (940-860)×316×(8+8)	
	Front suspension		10 leafs spring with shock absorber	
	Rear suspension		12 leafs spring	
	Braking		Pneumatic double circuit drum brake, ABS	
	Fuel tank		300L (aluminum)	
	Battery		2×12V-165Ah	
Optional	LCD multimedia screen (body)		○	
	Headlamp and Taillights Protection		●	
	MachineLink+		●	
	Electric cabin lift		○	
Applicable Scene (Recommend)a			Typical mine: mine short mileage transportation, mine stripping, payload less than 38t Typical road: unpaved, pothole/soft/compact dominated, paved road accounts for a small proportion GVW:55t General used speed: Full load 10-20km/h (offroad) Empty load 20-30km/h (offroad) Maximum speed: usuallyy ≤70km/h	Typical scene: muck road transportation around city, high speed drive needed Typical road: Road has high speed condition with load General used speed:km/h Full load 30 (offroad), 65 (highway) Empty load 50 (offroad), 70 (highway)) Maximum speed: km/h Full load 80(highway), Empty load 90(highway)
Note: X- does not adopt; ○ - Optional (Class C orders); ● - Standard; The above configuration parameters are for reference. The manufacturer reserves the right to change them without prior notice. The right to interpret them is reserved by the manufacturer				

Saudi Arabia Dumper configuration and work condition recommendation 8x4				
type			SYZ428C-8S(V)	
			Standard Model (Mine Work condition)	Optional Model (City Work Condition)
			ZZX200000448	By Order
Vehicle parameters	Dimension (LxWxH)mm	standard	11000×2540×3580	
	Wheel base mm	standard	2000+4200+1400	
	Curb Weight		21600	
	Full Load Weight		78000	
	Economic speed range (Top gear)		32-57	48-74
	Rated maximum speed (1900rpm)		74	91
	Permissible maximum speed (2200rpm)		82	105 (limited to 90 by software)
Body Size	28m³ (8000*2350*1500mm)		●	
Body Shape	Rectangle-Type		●	
	U-type		○	
Cabin	Cabin Model		318Lcabin, Standard Roof with single bed	
	Others		Remote Key, Central Lock, Electric Window Lifting,Air Condition,LCD screen Multimedia Player, Air Suspension driver seat, Multifunction Dashboard with LED screen Display	
Chassis parameters	engine	Model	D12C5-490E0 (Sany Deutz Power ,Euro V , 12.12L)	
		Rated power (kW/rpm)	360/1900	
		Maximum torque (N.m/rpm)	2200/1000-1400	
		Auxiliary brake	Engine Brake	
	Clutch		Ø430	
	Transmission		12JSDX240T (Fast), Ratio 13.15-1	12JSDX240TA(Fast), Ratio 12.1-0.78
	1st/2nd axle		9T	
			ABS, waterproof axle	
	Drive axle	Model	2×16T , i=5.26	
		Differential lock	Differential lock between wheels and shafts	
		other	ABS, waterproof axle	
	Tyre		12.00R20 ● 315/80R22.5 ○	
	Frame		940/860×316× (8+8)	
	front suspension		10 leafs spring with shock absorber	
	rear suspension		12 leafs spring	
	brake	type	Pneumatic double circuit drum brake, ABS	
	fuel tank	volume	400L (aluminum)	
	battery	capacity	2×12V-165Ah	
Optional	LCD multimedia screen (body)		●	
	Headlamp and Taillights Protection		○	
	Tree Root IoT Terminal		●	
	Electric cab lift (body)		○	
Applicable Scene (Recommend)		Typical mine: mine short mileage transportation, mine stripping, payload less than 55t Typical road: unpaved, pothole/soft/compact dominated, paved road accounts for a small proportion GVW: 78t General used speed: Full load 10-20km/h (offroad) Empty load 20-30km/h (offroad) Maximum speed: usuallyy ≤70km/h	Typical scene: muck road transportation around city, high speed drive needed Typical road: Road has high speed condition with load General used speed:km/h Full load 30 (offroad), 65 (highway) Empty load 50 (offroad), 70 (highway) Maximum speed: km/h : Full load 80(highway), Empty load 90(highway)	
Note: X- does not adopt; ○ - Optional (Class C orders); ● - Standard; The above configuration parameters are for reference. The manufacturer reserves the right to change them without prior notice. The right to interpret them is reserved by the manufacturer				

AFRICA

STRONG POWER AND BETTER DRIVE EXPERIENCE

Offers up to 400 horse power, stronger power, higher efficiency powertrain with strong load capability gives you confidence to overcome tough work conditions everywhere. Comfortable 318 cabin offers better experience for drivers.

ROBUST DESIGN WITH HIGH DURABILITY IN HARSH ENVIRONMENT

Air intake filter designed for working in dusty area. Reinforced 316mm height,8mm+8mm thickness chassis frame, T55 rear suspension and reinforced 4-joint tipping axle offer outstanding durability. Sufficient tests and scientific simulations ensure reliability and trustworthy quality.

INTELLIGENT AND SAFETY

MachineLink+ Terminal allows operators to monitor truck's state and location in real time.This helps operators to improve drive habit in order to reduce fuel consumption. The truck's GPS location can be tracked by managers, which helps to trace the truck's journey or set geofence.Result in safe operation of the trucks.



Africa Dumper configuration and work condition recommendation 6x4				
Product Model		SYZ320C-8Y(II) LH		
		Mine/urban foundation trench		Urban road construction
		ZZX100000450		By orders
		Direct transmission		Overdrive transmission
Vehicle parameter	Dimension (L×W×H)(mm)		8800×2540×3580	
	Wheel Base(mm)		4000+1400	
	Curb Weight(kg)		16.5t	
	Full Load Weight(kg)		55t	
	Economic Speed Range (Maximum Gear)		42-58	55-75
Body Size	Rated Maximum Speed-1900rpm		73	95
	20m³ (5800*2350*1500mm)		●	●
	23m³ (5800*2350*1700mm)		○	○
Cargo Type	Rectangular		●	●
	U-Type		○	○
Cab	Cab Model		318 cab (Left Handle), Standard Roof with single bed	
	Others		Remote Key, Electric Glass Lifting	
Chassis	Engine	Model	YC6MK400-33 (Yuchai), Euro II , 10.338L	
		Rated power (kW/rpm)	294/1900	
		Maximum torque (N.m/ rpm)	1800/1100-1500	
		Auxiliary braking	exhaust brake	
	Clutch		φ 430	
	Gearbox		12JSD200T-B (Fast), Ratio 15.53-1	12JSDX240TA (Fast), Ratio 12.10-0.78
	Front axle	Type	9T	
		Others	Self-adjusting arm, waterproof axle	
	Drive axle	Type	2×16T _i =5.26	
		Differential lock	Differential lock between wheels and differential lock between shafts	
		Others	manual adjustment arm, brake pad wear alarm, waterproof axle	
	Tyre		12.00R20 ● 315/80R22.5 ○	
	Frame		940-860×316×(8+8)	
	Front suspension		10 leaves (width 90mm, thickness 18mm multiple-leaf spring)	
	Rear suspension		12 leaves (width 90mm, thickness 28mm+25mm multiple-leaf spring+Four horse integrated balance shaft)	
	Breaking		Pneumatic double circuit drum brake	
	Fuel tank		300L ● (aluminum)	
Battery		165Ah frigestable		
Optional	Undertank protection		●	
	Headlight and side light guard mesh		○	
Applicable Scene (Recommend)		Typical mine: gold mine short mileage transportation, mine stripping Typical road: unpaved, pothole/soft/compact dominated, paved road accounts for a small proportion GVW: 55t General used speed: Full load 10-20km/h (off highway) Empty load 20-30km/h (off highway) Maximum speed: no typical demand, or ≤70km/h	Typical scene: muck road transportation around city Typical road: non-paved road both loading and unloading sides, accounting for a small proportion, in and out of the compact road , good condition; The middle is paved with asphalt, two - way fast lane General used speed:km/h Full load 30 (off highway), 65 (highway) Empty load 50 (off highway), 70 (highway) Maximum speed: km/h Full load 80(highway), Empty load 90(highway)	
Note: ○ -Optional; ● -Standard ; The above configuration parameters are for reference. The manufacturer reserves the right to change them without prior notice. The right to interpret them is reserved by the manufacture				

Africa Dumper configuration and work condition recommendation 6x4				
Product Model			SYZ320C-8Y(II) RH	
			Mine/urban foundation trench	Urban road construction
			ZZX100000382	By orders
			Direct transmission	Overdrive transmission
Vehicle parameter	Dimension (L×W×H)(mm)		8800×2540×3580	
	Wheel Base(mm)		4000+1400	
	Curb Weight(kg)		16.5t	
	Full Load Weight(kg)		55t	
	Economic Speed Range (Maximum Gear)		42-58	55-75
Body Size	Rated Maximum Speed-1900rpm		73	95
	20m³ (5800*2350*1500mm)		●	●
	23m³ (5800*2350*1700mm)		○	○
Cargo Type	Rectangular		●	●
	U-Type		○	○
Cab	Cab Model		318 cab(Right Handle), Standard Roof with single bed	
	Others		Remote Key, Electric Glass Lifting	
Chassis	Engine	Model	YC6MK400-33 (Yuchai), Euro II , 10.338L	
		Rated power (kW/rpm)	294/1900	
		Maximum torque (N.m/rpm)	1800/1100-1500	
		Auxiliary braking	exhaust brake	
	Clutch		φ 430	
	Gearbox		12JSD200T-B (Fast), Ratio 15.53-1	12JSDX240TA (Fast), Ratio 12.10-0.78
	Front axle	Type	9T	
		Others	Self-adjusting arm, waterproof axle	
	Drive axle	Type	2×16T _i =5.26	
		Differential lock	Differential lock between wheels and differential lock between shafts	
		Others	manual adjustment arm, brake pad wear alarm, waterproof axle	
	Tyre		12.00R20 ● 315/80R22.5 ○	
	Frame		940-860×316×(8+8)	
	Front suspension		10 leafs (width 90mm, thickness 18mm multiple-leaf spring)	
	Rear suspension		12 leafs (width 90mm, thickness 28mm+25mm multiple-leaf spring+Four horse integrated balance shaft)	
	Breaking		Pneumatic double circuit drum brake	
	Fuel tank		300L ● (aluminum)	
	Battery		165Ah frigostable	
Optional	Undertank protection		●	
	Headlight and side light guard mesh		○	
Applicable Scene (Recommend)		Typical mine: gold mine short mileage transportation, mine stripping Typical road: unpaved, pothole/soft/compact dominated, paved road accounts for a small proportion GVW: 55t General used speed: Full load 10-20km/h (off highway) Empty load 20-30km/h (off highway) Maximum speed: no typical demand, or ≤70km/h	Typical scene: muck road transportation around city Typical road: non-paved road both loading and unloading sides, accounting for a small proportion, in and out of the compact road , good condition; The middle is paved with asphalt, two - way fast lane General used speed:km/h Full load 30 (off highway), 65 (highway) Empty load 50 (off highway), 70 (highway) Maximum speed: km/h Full load 80 (highway), Empty load 90 (highway)	
Note: ○ -Optional; ● -Standard ; The above configuration parameters are for reference. The manufacturer reserves the right to change them without prior notice. The right to interpret them is reserved by the manufacture				

AFRICA

STRONG POWER AND BETTER DRIVE EXPERIENCE

Offers up to 430 horse power, stronger power, higher efficiency powertrain with strong load capability gives you confidence to overcome tough work conditions everywhere. Comfortable 318 cabin offers better experience for drivers.

ROBUST DESIGN WITH HIGH DURABILITY IN HARSH ENVIRONMENT

Air intake filter designed for working in dusty area. Reinforced 316mm height,8mm+8mm thickness chassis frame, T55 rear suspension and reinforced 4-joint tipping axle offer outstanding durability. Sufficient tests and scientific simulations ensure reliability and trustworthy quality.

INTELLIGENT AND SAFETY

MachineLink+ Terminal allows operators to monitor truck's state and location in real time.This helps operators to improve drive habit in order to reduce fuel consumption. The truck's GPS location can be tracked by managers, which helps to trace the truck's journey or set geofence.Result in safe operation of the trucks.



Africa Dumper configuration and work condition recommendation 8×4						
Product Model			SYZ428C-6W(II) LH			
			Mine/urban foundation trench		Urban road construction	
			ZZX100000452(Left)		By orders	
			Direct transmission		Overdrive transmission	
Vehicle parameter	Dimension (L×W×H)(mm)	standard	11000×2540×35800 (length of cargo 8000)			
		optional	10200×2540×35800 (length of cargo 7200)			
	Wheel Base(mm)	standard	2000+4200+1400 (length of cargo 8000)			
		optional	2000+3600+1400 (length of cargo 7200)			
	Curb Weight(kg)		22.6t			
	Full Load Weight(kg)		78t			
	Economic Speed Range (Maximum Gear)		42-58		55-75	
Body	Rated Maximum Speed-1900rpm		73		95	
	28m³ (8000*2350*1500mm length)		●		●	
	25m³ (7200*2350*1500mm length)		○		○	
Cargo Type	Rectangular		●		●	
	U-Type		○		○	
Cab	Cab Model		318 cab、Standard Roof with single bed			
	Others		Remote Key, Electric Glass Lifting manual adjustment Rearview Mirror			
Chassis	Engine	Model	WP12.430E201 (Weichai) , Euro II ,11.596L			
		Rated power (kW/rpm)	316/1900			
		Maximum torque (N.m/ rpm)	2000/1000-1400			
		Auxiliary braking	exhaust brake			
	Clutch		φ 430			
	Gearbox		12JSDX240T (Fast), Ratio 13.15-1	12JSDX240TA (Fast), Ratio 12.10-0.78		
	Front axle	Type	9.5T			
		Others	Self-adjusting arm, waterproof axle			
	Drive axle	Type	2×16T, i=5.26 (Optionl 4.77/5.92)			
		Differential lock	Differential lock between wheels and differential lock between shafts			
		Others	manual adjustment arm, brake pad wear alarm, waterproof axle			
	Tyre		12.00R20 ● 315/80R22.5 ○			
	Frame		940-860×316×(8+8)			
	Front suspension		10 leafs (width 90mm, thickness 20mm multiple-leaf spring)			
	Rear suspension		12 leafs (width 90mm, thickness 28mm+30mm multiple-leaf spring+Four horse integrated balance shaft)			
	Breaking		Pneumatic double circuit drum brake			
	Fuel tank		400L ● (aluminum)			
	Battery		165Ah frigostable			
	Optional	Undertank protection		●		
		Headlight and side light guard mesh		○		
Applicable Scene (Recommend)			Typical mine: gold mine short mileage transportation, mine stripping Typical road: unpaved, pothole/soft/compact dominated, paved road accounts for a small proportion GVW: 78t General used speed: Full load 10-20km/h (off highway) Empty load 20-30km/h (off highway) Maximum speed: no typical demand, or ≤70km/h	Typical scene: muck road transportation around city Typical road: non-paved road both loading and unloading sides, accounting for a small proportion, in and out of the compact road , good condition; The middle is paved with asphalt, two - way fast lane General used speed:km/h Full load 30 (off highway),65 (highway) Empty load 50 (off highway),70 (highway) Maximum speed: km/h Full load 80(highway),Empty load 90(highway)		
Note: ○ -Optional; ● -Standard; The above configuration parameters are for reference. The manufacturer reserves the right to change them without prior notice. The right to interpret them is reserved by the manufacture						

Product Model			SYZ428C-6W(II) RH	
			Mine/urban foundation trench	Urban road construction
			By orders	By orders
			Direct transmission	Overdrive transmission
Vehicle parameter	Dimension (L×W×H) (mm)	standard	11000×2540×35800 (length of cargo 8000)	
		optional	10200×2540×35800 (length of cargo 7200)	
	Wheel Base(mm)	standard	2000+4200+1400 (length of cargo 8000)	
		optional	2000+3600+1400 (length of cargo 7200)	
	Curb Weight(kg)		22.6t	
	Full Load Weight(kg)		78t	
	Economic Speed Range (Maximum Gear)		42-58	55-75
Body	Rated Maximum Speed-1900rpm		73	95
	28m³ (8000*2350*1500mm length)		●	●
	25m³ (7200*2350*1500mm length)		○	○
Cargo Type	Rectangular		●	●
	U-Type		○	○
Cab	Cab Model		318 cab、Standard Roof with single bed	
	Others		Remote Key, Electric Glass Lifting manual adjustment Rearview Mirror	
Chassis	Engine	Model	WP12.430E201 (Weichai) , Euro II , 11.596L	
		Rated power (kW/rpm)	316/1900	
		Maximum torque (N.m/rpm)	2000/1000-1400	
		Auxiliary braking	exhaust brake	
	Clutch		φ 430	
	Gearbox		12JSDX240T (Fast), Ratio 13.15-1	12JSDX240TA (Fast), Ratio 12.10-0.78
	Front axle	Type	9.5T	
		Others	Self-adjusting arm, waterproof axle	
	Drive axle	Type	2×16T,i=5.26 (Optionl 4.77/5.92)	
		Differential lock	Differential lock between wheels and differential lock between shafts	
		Others	manual adjustment arm, brake pad wear alarm, waterproof axle	
		Tyre	12.00R20 ● 315/80R22.5 ○	
	Frame		940-860×316×(8+8)	
	Front suspension		10 leafs (width 90mm、 thickness 20mm multiple-leaf spring)	
	Rear suspension		12 leafs (width 90mm、 thickness 28mm+30mm multiple-leaf spring+Four horse integrated balance shaft)	
	Breaking		Pneumatic double circuit drum brake	
	Fuel tank		400L ● (aluminum)	
	Battery		165Ah frigestable	
	Optional	Undertank protection		●
Headlight and side light guard mesh		○		
Applicable Scene (Recommend)		Typical mine: gold mine short mileage transportation, mine stripping Typical road: unpaved, pothole/soft/compact dominated, paved road accounts for a small proportion GVW: 78t General used speed: Full load 10-20km/h (off highway) Empty load 20-30km/h (off highway) Maximum speed: no typical demand, or ≤70km/h		Typical scene: muck road transportation around city Typical road: non-paved road both loading and unloading sides, accounting for a small proportion, in and out of the compact road , good condition; The middle is paved with asphalt, two - way fast lane General used speed:km/h Full load 30 (off highway), 65 (highway) Empty load 50 (off highway), 70 (highway) Maximum speed: km/h Full load 80(highway), Empty load 90(highway)
Note: ○ -Optional; ● -Standard; The above configuration parameters are for reference. The manufacturer reserves the right to change them without prior notice. The right to interpret them is reserved by the manufacture				

PHILIPPINES

STRONG POWER AND BETTER DRIVE EXPERIENCE

Higher horse power engineranges from 400 to490 horse power, higher efficiency powertrain with strong load capability gives you confidence to overcome tough work conditions everywhere.Comfortable 318 cabin offers better experience for drivers.

ROBUST DESIGN WITH HIGH DURABILITY IN HARSH ENVIRONMENT

Outstanding adaptability ensures stable working in -20 C to 50 C environment with heavy payload, Air intake filter designed for working in dusty area. Reinforced 316mm height,8mm+8mm thickness chassis frame and offers outstanding durability. Sufficient tests and scientific simulations ensure reliability and trustworthy quality.

INTELLIGENT AND SAFETY

MachineLink+ Terminal allows operators to monitor truck's state and location in real time.This helps operators to improve drive habit in order to reduce fuel consumption. The truck's GPS location can be tracked by managers, which helps to trace the truck's journey or set geofence.Result in safe operation of the trucks.



Philippines Dump vehicle configuration and work condition recommendation				
Product Model			Yuchai Engine	
			SYZ320C-8Y	SYZ320C-8Y(V)
			Direct transmission i=5.26	Direct transmission i=5.26
			ZZX100000450	ZZX100000446
Vehicle parameter	Dimension (L×W×H)(mm)		8800×2540×3580	
	Wheel Base(mm)		4000+1400	
	Curb Weight(kg)		16200	
	Full Load Weight(kg)		45000-55000	
	Economic Speed Range (Maximum Gear)		41-56	
	Rated Maximum Speed		71	
	Permissible Maximum Speed		82	
Body	BOX		20m³ (5800*2350*1500mm)	
	Cargo		Rectangle ● U type ○	
Cab	Cab Model		318 cab, Standard Roof with single bed	
	Others		Remote Key, Central Lock, Electric Glass Lifting,air-conditioning Hand Flip ● Electric Flip ○	
Chassis	Engine	Model	YC6MK400-33 , Euro II , 10.338L	YC6MK400-50 , Euro V , 10.338L
		Rated power (kW/rpm)	294/1900	
		Maximum torque (N.m/rpm)	1900/1100-1500	
		Auxiliary braking	Exhaust-Brake	Engine-Brake
	Clutch		φ 430	
	Gearbox		12JSD200T-B (Fast), Ratio 15.53-1	
	Front axle	Type	9T	
		Others	Hand-adjusting arm, waterproof axle	
	Drive axle	Type	2×16T i=5.26	
		Differential lock	Differential lock between wheels and differential lock between shafts	
		Others	Hand-adjusting arm, waterproof axle, Cast steel axle housing, Double reduction	
		Tyre		12.00R20 ● 315/80R22.5 ○
	Frame		940-860×316×(8+8)	
	Front suspension		10 leafs (width 80mm, thickness 18mm multiple-leaf spring)	
	Rear suspension		12 leafs (width 90mm, thickness 28mm+25mm multiple-leaf spring+Four horse integrated balance shaft)	
	Braking		Pneumatic double circuit drum brake, ABS, KNORR	
	Fuel tank		300L ● (aluminum)	
	Battery		165Ah	
Optional	Mine tyre		○	○
	Tarpaulin system		○	○
	360 view		○	○
	ASR		○	○
	Wear-resistant cargo box		○	○
Applicable Scene (Recommend)			Mine/urban foundation trench	
			Scene 1: Typical mine:Nickel ore transportation Typical road: unpaved, pothole/soft/compact dominated, paved road accounts for a small proportion GVW: 45-55t General used speed: Full load 10-30km/h (off highway) Empty load 20-40km/h (off highway) Maximum speed: no typical demand, or ≤70km/h Scene 2: Typical scene: country/city, mend road, Park construction Typical road: non-paved road both loading and unloading sides, accounting for a small proportion, in and out of the compact road , good condition; The middle is paved with asphalt, two - way fast lane GVW: 45-55t General used speed: Full load 10-30km/h (off highway), 20-45km/h (highway) Empty load 20-40km/h (off highway), 30-50km/h (highway) Maximum speed: no typical demand, or ≤70km/h	
Note: X-without; ○ -Optional; ● -Standard ; The above configuration parameters are for reference. The manufacturer reserves the right to change them without prior notice. The right to interpret them is reserved by the manufacture				

Philippines Dump vehicle configuration and work condition recommendation						
Product Model			Deutz Engine		Weichai Engine	
			SYZ322C-8S(V)	SYZ428C-8S(V)	SYZ428C-6W	
			Direct transmission i=5.26	Direct transmission i=5.26	Direct transmission i=5.26	
			ZZX100000447	ZZX100000448	ZZX100000452	
Vehicle parameter	Dimension (L×W×H)(mm)		9150×2540×3580			
	Wheel Base(mm)		4200+1400			
	Curb Weight(kg)		16900			
	Full Load Weight(kg)		55000-65000			
	Economic Speed Range (Maximum Gear)		37-52			
	Rated Maximum Speed		71			
	Permissible Maximum Speed		82			
Body	BOX		22m³ (6200×2350×1500)			
	Cargo		Rectangle ● U type ○			
Cab	Cab Model		318 cab- Standard Roof with single bed			
	Others		Remote Key, Central Lock, Electric Glass Lifting,air-conditioning			
			Hand Flip ● Electric Flip ○			
Chassis	Engine	Model	D12C5-462E0 , Euro V , 12.12L		D12C5-490E0, Euro V , 12.12L	WP12.430E201 , Euro II , 11.596L
		Rated power (kW/rpm)	340/1900		360/1900	316/1900
		Maximum torque (N.m/rpm)	2200/1000-1400		2000/1000-1400	
		Auxiliary braking	Engine-Brake		Exhaust-Brake	
	Clutch		φ 430			
	Gearbox		12JSDX240T (Fast), Ratio 13.15-1			
	Front axle	Type	9T			9.5T (HANDE)
		Others	Hand-adjusting arm, waterproof axle			Hand-adjusting arm, waterproof axle
	Drive axle	Type	2×16T i=5.26			2×16T (HANDE) i=5.26
		Differential lock	Differential lock between wheels and differential lock between shafts			Differential lock between wheels and differential lock between shafts
		Others	Hand-adjusting arm, waterproof axle, Cast steel axle housing, Double reduction			Hand-adjusting arm, waterproof axle, Cast steel axle housing, Double reduction
	Tyre		12.00R20 ● 315/80R22.5 ○			
	Frame		940-860×316×(8+8)			
	Front suspension		10 leafs (width 80mm, thickness 20mm multiple-leaf spring)			
	Rear suspension		12 leafs (width 90mm, thickness 30mm+28mm multiple-leaf spring+ Four horse integrated balance shaft)			
	Braking		Pneumatic double circuit drum brake, ABS, KNORR			
	Fuel tank		400L ● (aluminum)			
	Battery		165Ah			
Optional	Mine tyre		○	○	○	
	Tarpaulin system		○	○	○	
	360 view		○	○	○	
	ASR		○	○	○	
	Wear-resistant cargo box		○	○	○	
Applicable Scene (Recommend)			Mine/urban foundation trench		Mine/urban foundation trench	
			Scene 1: Typical mine: Nickel/Gold/ ore transportation Typical road: unpaved, pothole/soft/compact dominated, paved road accounts for a small proportion GVW:55-65t General used speed: Full load 10-30km/h (off highway) Empty load 20-40km/h (off highway) Maximum speed: no typical demand, or ≤70km/h Scene 2: Typical scene: country/city, mend road, Park construction Typical road: non-paved road both loading and unloading sides, accounting for a small proportion, in and out of the compact road , good condition; The middle is paved with asphalt, two - way fast lane GVW:55-65t General used speed: Full load 10-30km/h (off highway), 20-45km/h (highway) Empty load 20-40km/h (off highway), 30-50km/h (highway) Maximum speed: no typical demand, or ≤70km/h		Scene 1: Typical mine: Coal transportation Typical road: unpaved, pothole/soft/compact dominated, paved road accounts for a small proportion GVW 50-75t General used speed: Full load 10-30km/h (off highway) Empty load 20-40km/h (off highway) Maximum speed: no typical demand, or ≤70km/h Scene 2: Typical scene: country/city,mend road, Park construction, Finite weight requirement Typical road: non-paved road both loading and unloading sides, accounting for a small proportion, in and out of the compact road , good condition; The middle is paved with asphalt, two - way fast lane GVW: 50-75t General used speed: Full load 10-30km/h (off highway), 20-45km/h (highway) Empty load 20-40km/h (off highway), 30-50km/h (highway) Maximum speed: no typical demand, or ≤70km/h	
Note: X-without; ○ -Optional; ● -Standard ; The above configuration parameters are for reference. The manufacturer reserves the right to change them without prior notice. The right to interpret them is reserved by the manufacture						

THAILAND

CORE ASSEMBLY WITH TOP SUPPLIERS

Suppliers are well-known manufactures in the industry such as CATL battery, Ivkon motor transmission and INOVANCE five-in-one control unit.

OUTSTANDING POWER AND GRADEABILITY

Industry leading battery system with maximum motor power 460 kw, the maximum torque of 2900 nm. Gradability can reach more than 30%, dynamic performance far exceeds the fuel dump truck.

INTELLIGENT AND SAFETY

MachineLink+ Terminal allows operators to monitor truck's state and location in real time.This helps operators to improve drive habit in order to reduce fuel consumption. Electronic braking system and parking system, 8 optional auxiliary driving package, active and passive safety functions ensure a much safer driving environment.



Thailand series dump truck model configuration and working conditions recommended 2023-5 6X4 E-TIPPER		
Type		SYZ323C-8LRBEV
		Standard Greenland EM310H46+ 4 gears AMT +6.73
		EZX100000206
Vehicle parameters	Dimension (L×W×H)(mm)	9500×2540×3500
	Wheel Base(mm)	4550+1500
	Curb Weight(kg)	22500
	Full Load Weight(kg)	62500
	Rated Maximum Speed	100
	Permissible Maximum Speed	100
Dump body	Volume	23m³ (6500*2350*1500mm)
	Type	Rectangle
	Thickness (mm)	Bottom 12 side 10
	Lift cylinder type	4TG179×4450
Cabin	Type	318 Flat top right hand rudder
	Other configurations	Single sleeper, surround-type instrument platform, air conditioner, voice entertainment central control large screen (with Bluetooth function, navigation function, radio function, USB and SD card interface, can connect with mobile phone to make and make calls, USB disk media playback function), sun visor, 2kg fire extinguisher, three steps (third level activity)
drive motor	Type	permanent magnet synchronous EM310H46
	Rated/peak power (kW)	315/460
	Rated/peak torque (N.m)	1650/2900Nm
Gearbox	Type	AMT
Power battery	Type	Energy type lithium iron phosphate battery
	Rated capacity (kWh)	350
	Arrangement type	Side
	Recharge time (SOC:20%-100%, 240kW double gun)	≤80min
Frame	Basic size (mm)	940-860/316/8+8+4
front axle	Specification	9.5T
Middle and rear axle	Specification	16T
	Speed ratio	6.73
suspension system	Balance shaft assembly type	T55
	Number of Leaf Springs	14/12
	Rear stabilizer bar (with/without)	with
	Material (steel/aluminum alloy)	Steel
rim	Specification	8.75 reinforced
tyre	Type	Full wire radial tyre
	Specification	12.00R24
braking system	Type	Pneumatic double circuit, front and rear drum type,ABS
steering gear	Specification	Integral cycle ball type
	Crawl control	●
Other configurations	ASR drive non-slip	●
	Energy recovery regulation	●
	OTA	●
Application site (recommendation)		Mine
Typical scenario: mine short inverted transportation, with the characteristics of high power, high load, high passage, high protection, high reliability, high safety, low energy consumption products, meet the requirements of complex working conditions in mining areas. Typical road: unpaved, pothole/soft/compact-dominated, paved road accounts for a small proportion Total weight of vehicle and cargo GVW: ≤62.5 tons Commonly used speed: Full load 20-30km/h (off road) No-load 20-40km/h (off highway) Maximum speed: speed limit ≤100km/h (Thailand regulations, specific speed shall be subject to the actual requirements of mining area)		
Note: X- does not adopt; ○ - Optional (Class C orders); ● - Standard; The above configuration parameters are for reference. The manufacturer reserves the right to change them without prior notice. The right to interpret them is reserved by the manufacturer		

Thailand series dump truck model configuration and working conditions recommended 2023-5 8X4 E-TIPPER		
Type		SYZ428C-8LRBEV
		Standard Greenland EM310H46+ 4 gears AMT +6.73
		EZX100000207
Vehicle parameters	Dimension (L×W×H)(mm)	11200×2540×3500
	Wheel Base(mm)	2000+4150+1500
	Curb Weight(kg)	24500
	Full Load Weight(kg)	7500
	Rated Maximum Speed	100
	Permissible Maximum Speed	100
Dump body	Volume	28.2m³ (8000*2350*1500mm)
	Type	Rectangle
	Thickness (mm)	Bottom 12 side 10
	Lift cylinder type	5TG202×5390
Cabin	Type	318 Flat top right hand rudder
drive motor	Other configurations	Single sleeper, surround-type instrument platform, air conditioner, voice entertainment central control large screen (with Bluetooth function, navigation function, radio function, USB and SD card interface, can connect with mobile phone to make and make calls, USB disk media playback function), sun visor, 2kg fire extinguisher, three steps (third level activity)
drive motor	Type	permanent magnet synchronous EM310H46
	Rated/peak power (kW)	315/460
	Rated/peak torque (N.m)	1650/2900Nm
Gearbox	Type	AMT
Power battery	Type	Energy type lithium iron phosphate battery
	Rated capacity (kWh)	350
	Arrangement type	Side
	Recharge time (SOC:20%-100%, 240kW double gun)	≤80min
Frame	Basic size (mm)	940-860/316/8+8+4
front axle	Specification	9.5T
Middle and rear axle	Specification	16T
	Speed ratio	6.73
suspension system	Balance shaft assembly type	T55
	Number of Leaf Springs	14/14/12
	Rear stabilizer bar (with/without)	with
	Material (steel/aluminum alloy)	Steel
rim	Specification	8.75 reinforced
tyre	Type	Full wire radial tyre
	Specification	12.00R24
braking system	Type	Pneumatic double circuit, front and rear drum type,ABS
steering gear	Type	
	Specification	Integral cycle ball type
Other configurations	Crawl control	●
	ASR drive non-slip	●
	Energy recovery regulation	●
	OTA	●
Application site (recommendation)		Mine
Typical scenario: mine short inverted transportation, with the characteristics of high power, high load, high passage, high protection, high reliability, high safety, low energy consumption products, meet the requirements of complex working conditions in mining areas. Typical road: unpaved, pothole/soft/compact-dominated, paved road accounts for a small proportion Total vehicle and cargo weight GVW: ≤75 tons Commonly used speed: Full load 20-30km/h (off road) No-load 20-40km/h (off highway) Maximum speed: speed limit ≤100km/h (Thailand regulations, specific speed shall be subject to the actual requirements of mining area)		
Note: X- does not adopt; ○ - Optional (Class C orders); ● - Standard; The above configuration parameters are for reference. The manufacturer reserves the right to change them without prior notice. The right to interpret them is reserved by the manufacturer		

UZBEKISTAN

STRONG POWER AND BETTER DRIVE EXPERIENCE

Higher horse power engine ranges from 400 to 490 horse power, higher efficiency powertrain with strong load capability gives you confidence to overcome tough work conditions everywhere.Comfortable 318 cabin offers better experience for drivers.

ROBUST DESIGN WITH HIGH DURABILITY IN HARSH ENVIRONMENT

Outstanding adaptability ensures stable working in -20 C to 50 C environment with heavy payload, Air intake filter designed for working in dusty area. Reinforced 316mm height,8mm+8mm thickness chassis frame and offers outstanding durability. Sufficient tests and scientific simulations ensure reliability and trustworthy quality.

INTELLIGENT AND SAFETY

MachineLink+ Terminal allows operators to monitor truck's state and location in real time.This helps operators to improve drive habit in order to reduce fuel consumption. The truck's GPS location can be tracked by managers, which helps to trace the truck's journey or set geofence.Result in safe operation of the trucks.



Uzbekistan Dump vehicle configuration and work condition recommendation			
Product Model			Yuchai Engine
			SYZ320C-8Y(V)
			Direct transmission i=5.26
			ZZX100000449
Vehicle parameter	Dimension (L×W×H)(mm)		8800×2540×3580
	Wheel Base(mm)		4000+1400
	Curb Weight(kg)		16200
	Full Load Weight(kg)		45000-55000
	Economic Speed Range (Maximum Gear)		41-56
	Rated Maximum Speed		71
	Permissible Maximum Speed		82
Body	BOX		20m³ (5800*2350*1500mm)
	Cargo		Rectangle ● U type ○
Cab	Cab Model		318 cab, Standard Roof with single bed
	Others		Remote Key, Central Lock, Electric Glass Lifting,air-conditioning
			Hand Flip ● Electric Flip ○
Chassis	Engine	Model	YC6MK400-50, Euro V , 10.338L
		Rated power (kW/rpm)	294/1900
		Maximum torque (N.m/rpm)	1900/1100-1500
		Auxiliary braking	Exhaust Brake
		Others	Intake preheating
	Clutch		φ 430
	Gearbox		12JSD200T-B (Fast), Ratio 15.53-1
	Front axle	Type	9T
		Others	Hand-adjusting arm, waterproof axle
	Drive axle	Type	2×16T i=5.26
		Differential lock	Differential lock between wheels and differential lock between shafts
		Others	Hand-adjusting arm, waterproof axle , Cast steel axle housing, Double reduction
		Tyre	
	Frame		940-860×316×(8+8)
	Front suspension		10 leafs (width 80mm, thickness 18mm multiple-leaf spring)
	Rear suspension		12 leafs (width 90mm, thickness 28mm+25mm multiple-leaf spring+ Four horse integrated balance shaft)
	Braking		Pneumatic double circuit drum brake, ABS, KNORR
	Fuel tank		300L ● (aluminum)
	Battery		165Ah
Optional	Mine tyre		○
	Tarpaulin system		○
	360 view		○
	ASR		○
	Wear-resistant cargo box		○
Applicable Scene (Recommend)			Mine/urban foundation trench
			Scene 1:
			Typical mine: Coal/copper transportation
			Typical road: unpaved, pothole/soft/compact dominated, paved road accounts for a small proportion
			GVW: 45-55t
			General used speed:
			Full load 10-30km/h (off highway)
			Empty load 20-40km/h (off highway)
			Maximum speed: no typical demand, or ≤70km/h
			Scene 2:
			Typical scene: country/city, mend road, Park construction
			Typical road: non-paved road both loading and unloading sides, accounting for a small proportion, in and out of the compact road , good condition; The middle is paved with asphalt, two - way fast lane
GVW: 45-55t			
General used speed:			
Full load 10-30km/h (off highway), 20-45km/h (highway)			
Empty load 20-40km/h (off highway), 30-50km/h (highway)			
Maximum speed: no typical demand, or ≤70km/h			
Note: X-without; ○ -Optional; ● -Standard ; The above configuration parameters are for reference. The manufacturer reserves the right to change them without prior notice. The right to interpret them is reserved by the manufacture			

Uzbekistan Dump vehicle configuration and work condition recommendation				
Product Model			Deutz Engine	
			SYZ322C-85(V)	SYZ428C-85(V)
			Direct transmission i=5.26	Direct transmission i=5.26
			ZZX100000447	ZZX100000448
Vehicle parameter	Dimension (L×W×H)(mm)		9150×2540×3580	11000×2540×3580
	Wheel Base(mm)		4200+1400	2000+4200+1400
	Curb Weight(kg)		16900	22600
	Full Load Weight(kg)		55000-65000	65000-78000
	Economic Speed Range (Maximum Gear)		37-52	37-52
	Rated Maximum Speed		71	71
	Permissible Maximum Speed		82	82
Body	BOX		22m³ (6200×2350×1500)	28m³ (8000×2350×1500)
	Cargo			Rectangle
Cab	Cab Model		318 cab, Standard Roof with single bed	
	Others		Remote Key, Central Lock, Electric Glass Lifting,air-conditioning	
			Hand Flip ● Electric Flip ○	
Chassis	Engine	Model	D12C5-462E0, Euro V , 12.12L	
		Rated power (kW/rpm)	340/1900	
		Maximum torque (N.m/rpm)	2200/1000-1400	
		Auxiliary braking	Engine Brake	
		Others	-	
	Clutch		φ 430	
	Gearbox		12JSDX240T (Fast), Ratio 13.15~1	
	Front axle	Type	9T	
		Others	Hand-adjusting arm, waterproof axle	
		Type	2×16T i=5.26	
	Drive axle	Differential lock	Differential lock between wheels and differential lock between shafts	
		Others	Hand-adjusting arm, waterproof axle, Cast steel axle housing, Double reduction	
		Tyre	12.00R20 ● 315/80R22.5 ○	
	Frame		940-860×316×(8+8)	
	Front suspension		10 leafs (width 80mm, thickness 20mm multiple-leaf spring)	
	Rear suspension		12 leafs (width 90mm, thickness 30mm+28mm multiple-leaf spring+ Four horse integrated balance shaft)	
	Braking		Pneumatic double circuit drum brake, ABS, KNORR	
	Fuel tank		400L ● (aluminum)	
	Battery		165Ah	
	Optional	Mine tyre		○
Tarpaulin system		○	○	
360 view		○	○	
ASR		○	○	
Wear-resistant cargo box		○	○	
Applicable Scene (Recommend)		Mine/urban foundation trench		Mine/urban foundation trench
		Scene 1: Typical mine: Coal/copper transportation Typical road: unpaved, pothole/soft/compact dominated, paved road accounts for a small proportion GVW: 55-65t General used speed: Full load 10-30km/h (off highway) Empty load 20-40km/h (off highway) Maximum speed: no typical demand, or ≤70km/h		Scene 1: Typical mine: Coal/copper transportation Typical road: unpaved, pothole/soft/compact dominated, paved road accounts for a small proportion GVW: 65-78t General used speed: Full load 10-30km/h (off highway) Empty load 20-40km/h (off highway) Maximum speed: no typical demand, or ≤70km/h
		Scene 2: Typical scene: country/city, mend road, Park construction Typical road: non-paved road both loading and unloading sides, accounting for a small proportion, in and out of the compact road , good condition; The middle is paved with asphalt, two - way fast lane GVW: 55-65t General used speed: Full load 10-30km/h (off highway), 20-45km/h (highway) Empty load 20-40km/h (off highway), 30-50km/h (highway) Maximum speed: no typical demand, or ≤70km/h		Scene 2: Typical scene: country/city,mend road, Park construction, Finite weight requirement Typical road: non-paved road both loading and unloading sides, accounting for a small proportion, in and out of the compact road , good condition; The middle is paved with asphalt, two - way fast lane GVW: 65-78t General used speed: Full load 10-30km/h (off highway), 20-45km/h (highway) Empty load 20-40km/h (off highway), 30-50km/h (highway) Maximum speed: no typical demand, or ≤70km/h
Note: X-without; ○ -Optional; ● -Standard ; The above configuration parameters are for reference. The manufacturer reserves the right to change them without prior notice. The right to interpret them is reserved by the manufacture				

MALAYSIA

STRONG POWER AND FAST CLIMBING SPEED

435 horsepower, great climbing ability in highway and construction application. It offers extra trips daily for more profit.

ROBUST AND DERABLE DESIGN

9T front axle, 16T rear axle and 8+8 frame combination provides strong fundation for an urban dump truck.

STRONG CARGO BODY WITH LIGHTWEIGHT DESIGN

With SANY innovation, the cargo is build with strong steel with lighter weight, which offers extra load capacity.



Malaysia			
type			SYZ311C-65 Sany Deutz Engine
			ZZX200000475
Vehicle parameters	Dimension (LxWxH)mm		9000×2540×3250
	Wheel base mm		4600+1400
	Curb Weight		15t
	Full Load Weight		50-55t
	Economic speed range		40-80
	Rated maximum speed (1900rpm)		90
	Permissible maximum speed (2200rpm)		110
cargo	11m³(6000*2300*760mm)		●
	Rectangular		●
	U-Type		○
Cab	Model		318 Standard Roof
	Other configuration		Single sleeper, wraparound instrument table, air conditioner, radio (with Bluetooth, USB and SD card interface, can connect with mobile phone to make calls, play music), sun visor, 2kg fire extinguisher, three steps
Chassis Parameter	engine	Model	D12C5-435E1
		brand	Sany Deutz Engine
		Displacement (L)	12.12 Euro V
		Rated power/speed (kW/rpm)	308/1900
		Maximum torque/speed (N.m/rpm)	2106/1000-1400
		Net engine weight (kg)	1150
		Auxiliary braking	In-cylinder braking
		Add blue tank volume (L)	35
	other		Direct injection, water cooling, four stroke, supercharged intercooling, high pressure common rail
	clutch		φ 430
	transmission		Fast 12JSDX240T-A (12.1-0.78)
	Front axle		7.5T with ABS and waterproof axle
	Medium axle	Model	16T with ABS and waterproof axle
		Speed ratio	4.77
		Differential lock	Differential lock between wheels and shafts
	Tires and rims		12.00 R20
	frame		940-860×316×(8+8)
	Front suspension		10 leafs (width 80mm, thickness 18mm multiple-leaf spring)
	Rear suspension		12 leafs (width 90mm, thickness 25mm multiple-leaf spring+Four horse integrated balance shaft)
	brake		Pneumatic double circuit drum brake, ABS
	fuel tank		400L (Aluminum)
	battery		165Ah
General configuration	Undertank protection		●
	Headlight and side light guard mesh		●
	Engine side baffle (body)		●
	Remove the crank type spare tire support		●
	Chassis toolbox		●
Applicable Scenarios (Recommend)			typical scene: city construction foundation pit /sand transportation conditons Typical road: Paved Road, Highway, Minimal Turning Radii Limitation Total weight of vehicle and cargo GVW: ≤55 tons Commonly used speed: Full load 30-60km/h (on road) No-load 40-70km/h (on road) Maximum speed: no typical demand, or ≤110km/h
Note: X-without; ○ -Optional; ● -Standard ; The above configuration parameters are for reference. The manufacturer reserves the right to change them without prior notice. The right to interpret them is reserved by the manufacture			

			Malaysia
type			SYZ415C-8S(R) sany deutz engine (8×4) ZZX200000472
Vehicle parameters	Dimension (LxWxH) mm	standard	11650×2550×3250 (length of cargo 8550)
	Wheel base mm	standard	2000+5200+1400 (length of cargo8550)
	Curb Weight		18t
	Full Load Weight		55-60t
	Economic speed range		40-80
	Rated maximum speed (1900rpm)		90
	Permissible maximum speed (2200rpm)		110
Cargo	15m³ (8600*2300*760mm)		●
	13m³ (7600*2300*760mm)		○
Cargo Type	Rectangular		●
	U-Type		○
Cab	Model		318 Standard Roof
	Other configuration		Single sleeper, wraparound instrument table, air conditioner, radio (with Bluetooth, USB and SD card interface, can connect with mobile phone to make calls, play music), sun visor, 2kg fire extinguisher, three steps
Chassis Parameters	engine	Model	D12C5-435E1
		brand	Sany Deutz Engine
		Displacement (L)	12.12 (Euro V)
		Rated power/speed (kW/rpm)	308/1900
		Maximum torque/speed (N.m/rpm)	2106/1000-1400
		Idle speed (rpm)	600±50
		Net engine weight (kg)	1150
		Auxiliary braking	In-cylinder braking
		Add blue tank volume (L)	35
	other	Direct injection, water cooling, four stroke, supercharged intercooling, high pressure common rail	
	clutch		⌀ 430
	transmission		Fast 12JSDX240T-A
	Front Axle		9T with ABS and Waterproof Axle
	Middle and Rear axle	Model	16T
		Speed ratio	4.77
		Differential lock	Differential lock between wheels and shafts
	Tires and rims	Model	12.00 R20
	frame	frame(mm)	940-860×316×(8+8)
	front suspension		8 pieces (width 90mm, thickness 18mm multi-piece spring + shock absorber)
	rear suspension		12 pieces (width 90mm, thickness 25mm multi-spring + four-horse integrated balance shaft)
	brake		Pneumatic double circuit drum brake, ABS
	fuel tank		400L (Aluminum)
	battery		165Ah
General configuration	Undertank protection		●
	Headlight and side light guard mesh		●
	Engine side baffle (body)		●
	Remove the crank type spare tire support		●
	Chassis toolbox		●
			Typical Scene: Urban Construction, Suburban Transfer Typical Road: Paved Road, Highway, Minimal Turning Radii Limitation Designed Gross Vehicle Weight: ≤60t Regular Speed: Full Load 50-80km/h (Highway) Empty Load: 60-90km/h (Heighway) Maximum Speed: Usually ≤110km/h
Note: X-without; ○ -Optional; ● -Standard; The above configuration parameters are for reference. The manufacturer reserves the right to change them without prior notice. The right to interpret them is reserved by the manufacture			

LATIN AMERICA

CUSTOMIZED DESIGN

To meet the market demand, SANY developed the modulated dump truck with selective engines for various working scenarios. The customizable configurations meet customers' diverse demands.

HIGH-QUALITY CARGO

The Strengthened cargo structure is durable for various working condition. Such design lengthens the lifetime of the cargo, which reduces the cost of maintenance.

DESIGNED FOR TRANSPORTATION

Adequate ground clearance for various working environment, and short wheelbase reduces the limitation of turning radius.



Latin America			
Product Model		SYZ316C-8S Deutz Engine (Main Selling)	
		Standard Model ZZX200000124	
Vehicle parameter	Dimension (L×W×H)(mm)		8600×2540×3250
	Wheel Base(mm)		4000+1400
	Curb Weight(kg)		12.4t
	Full Load Weight(kg)		50T
	Rated Maximum Speed-1900rpm		30-50
	Permissible Maximum Speed-2200rpm		80
Container Size	5600×2350×1200		●
	5200×2350×1350		○
	5400×2300×1500		○
	5400×2300×1200		○
	U type Cargo/Rectangle Cargo		U type Cargo
Cab	Cab Model		318 cab, Standard Roof with single bed
	Others		Remote Key, Central Lock, Electric Glass Lifting
Chassis	Engine	Model	D09C3-380E0, Deutz, Euro III, 10
		Rated power (kW/rpm)	265/2000
		Maximum torque (N.m/ rpm)	1506/1000-1500
		Auxiliary braking	Engine-Brake
	Clutch		12JSD200T-B
	Gearbox		FAST-12JSD200T-B.Ratio 15.53-1
	Front axle	Type	7.5T(BEIBEN)
		Others	Self-adjusting arm, ABS, brake pad wear alarm, waterproof axle
	Drive axle	Type	16T(BEIBEN)
		Differential lock	Differential lock between wheels and differential lock between shafts
		Others	Self-adjusting arm, brake pad wear alarm, waterproof axle
		Type	315/80R22.5 ○ 12.00R20 ●
	Frame		940-860×300×(8+4)
	Front suspension		8 leafs (width 80mm, thickness 18mm multiple-leaf spring)
	Rear suspension		12 leafs (width 90mm, thickness 28mm+25mm multiple-leaf spring+Four horse integrated balance shaft)
	Breaking		Pneumatic double circuit drum brake, ABS
	Fuel tank		300/400L
	Battery		165Ah
Cold region configuration	Tank heating, fuel heating, inlet preheating (cold start)		●
Optional	LCD multimedia screen (body)		○
	Multifunctional steering wheel		○
	360 look around		○
	Integral rearview mirror (body)		○
	Electric cab lift (body)		○
	Ignition key integration (body)		○
Applicable Scene (Recommend)		Urban road construction	
		Typical minemuck road transportation Typical road: non-paved road both loading and unloading sides, accounting for a small proportion, in and out of the compact road , GVW:40-50t	
		General used speed: Full load 30-40km/h (highway) Empty load 50-60km/h (highway)	
		Maximum speed: no typical demand, or ≤80km/h	
Note: X-without; ○ -Optional; ● -Standard; The above configuration parameters are for reference. The manufacturer reserves the right to change them without prior notice. The right to interpret them is reserved by the manufacture			

Latin America					
Product Model		SYZ316C-8S Deutz Engine (Main Selling)	SYZ315C-8S Deutz Engine	SYZ316C-8R Hino engine	
		Luxury Model ZZX100000468	Standard Model	ZZX100000444	
Vehicle parameter	Dimension (L×W×H)(mm)	8300×2540×3580	8450×2540×3250	8350×2550×3400	
	Wheel Base(mm)	3800+1400	3800+1400	3775+1440	
	Curb Weight(kg)	16.5t	12.4t	14.5t	
	Full Load Weight(kg)	60T	50T	50T	
	Rated Maximum Speed-1900rpm	30-50	30-50	30-50	
	Permissible Maximum Speed-2200rpm	80	80	80	
Container Size	5600×2350×1200	○	○	○	
	5200×2350×1350	●	○	○	
	5400×2300×1500	○	○	●	
	5400×2300×1200	○	●	○	
	U type Cargo/Rectangle Cargo	Rectangle Cargo	U type Cargo	Rectangle Cargo	
Cab	Cab Model		318 cab,Standard Roof with single bed		
	Others		Remote Key, Central Lock, Electric Glass Lifting		
Chassis	Engine	Model	D12C5-462E0 , Deutz, Euro V , 12.12	D09C3-380E0, Deutz, Euro III, 10	J08E-UP, hino, Euro III, 7.684
		Rated power (kW/rpm)	340/1900	265/2000	222/2500
		Maximum torque (N.m/ rpm)	2200/1000-1400	1506/1000-1500	1000/1200-1500
		Auxiliary braking	Engine-Brake		
	Clutch		φ 430	φ 430	φ 430
	Gearbox		FAST-12JSDX240TA.Ratio 12.10-1	FAST-12JSD200T-B.Ratio 15.53-1	FAST
	Front axle	Type	9.5T(HANDE)	7.5T(BEIBEN)	7.5T(HANDE)
		Others	Self-adjusting arm, ABS, brake pad wear alarm, waterproof axle		
	Drive axle	Type	16T(HANDE)	16T(BEIBEN)	16T(HANDE)
		Differential lock	Differential lock between wheels and differential lock between shafts		
		Others	Self-adjusting arm, brake pad wear alarm, waterproof axle		
		Type	315/80R22.5 ○ 12.00R20 ●	315/80R22.5 ○ 11.00R18 ●	315/80R22.5 ● 11.00R18 ○
	Frame		940-860×316×(8+8)	940-860×300×(8+4)	940-860×300×(8+8)
	Front suspension		10 leafs (width 80mm, thickness 18mm multiple-leaf spring)	8 leafs (width 80mm, thickness 18mm multiple-leaf spring)	10 leafs (width 80mm, thickness 18mm multiple-leaf spring)
	Rear suspension		12 leafs (width 90mm, thickness 28mm+25mm multiple-leaf spring+Four horse integrated balance shaft)	12 leafs (width 90mm, thickness 28mm+25mm multiple-leaf spring+Four horse integrated balance shaft)	12 leafs (width 90mm, thickness 28mm+25mm multiple-leaf spring+Four horse integrated balance shaft)
	Breaking		Pneumatic double circuit drum brake, ABS	Pneumatic double circuit drum brake, ABS	Pneumatic double circuit drum brake, ABS
	Fuel tank		400L	400L	400L
	Battery		180Ah frigostable	165Ah	165Ah
Cold region configuration	Tank heating, fuel heating, inlet preheating (cold start)		●	●	●
Optional	LCD multimedia screen (body)		○	○	○
	Multifunctional steering wheel		○	○	○
	360 look around		○	○	○
	Integral rearview mirror (body)		○	○	○
	Electric cab lift (body)		○	○	○
	Ignition key integration (body)		○	○	○
Applicable Scene (Recommend)		Urban road construction		Urban road construction	
		Typical minemuck road transportation Typical road: non-paved road both loading and unloading sides, accounting for a small proportion, in and out of the compact road , GVW:50-60t		Typical minemuck road transportation Typical road: non-paved road both loading and unloading sides, accounting for a small proportion, in and out of the compact road , GVW:40-50t	
		General used speed: Full load 30-40km/h (highway) Empty load 50-60km/h (highway)		General used speed: Full load 30-40km/h (highway) Empty load 50-60km/h (highway)	
		Maximum speed: no typical demand, or ≤80km/h		Maximum speed: no typical demand, or ≤80km/h	
Note: X-without; ○ -Optional; ● -Standard; The above configuration parameters are for reference. The manufacturer reserves the right to change them without prior notice. The right to interpret them is reserved by the manufacture					

GREEN, ZERO-EMISSION AND FUTURE-ORIENTED

- New generation of E-dumper has great advantage in the market.
- Market share No.1 in China of 2022.
- Outstanding cost efficiency: scenario like heavy duty downhill empty load uphill (gradient 10%) will have no electrical cost.
- Integrating solution for battery charging/swapping requirements.
- Five years 200,000km warranty for battery system, motor system and vehicle control system.



SERVICE VALUE

Innovation、Excellence、Clients、Cooperation、Respect、Passion、Honesty、Responsibility

Service mission: All for client, create value for customer

SERVICE VISION

Exceed customer expectation and industry standards

SERVICE COMMITMENT

- Reply customer within 15 minutes.
- Reach main service area within 2 hours.
- Solve general problems and provide regular parts within one day.
- Solve customer complaints with two days.
- Solve all issues within 7 days.

SERVICE ADVANTAGE

“Professional service power”: Sany has offices in over 200 countries and regions, with 11 subsidiaries and 35 service points in domestic together. Setting up the parts warehouse can cover the world range, Forming the four in one of parts supply and guarantee system by headquarters warehouse, regional center warehouse, provincial and prefecture-level city, Accommodating 80000 kinds of parts to ensure fully customer service requirements in time. “Professional operation and maintenance system”: Sany has invested tens of million of RMB to build “Sany Customer cloud APP” ,which enable customers to monitor the running status and parameters of the equipment in real time anywhere in the world. In addition, it provides online consultation, community communication, accessories mall, one-click repair, maintenance reservation, product knowledge learning and other value-added service. So the customer can easily enjoy the highest quality of service in any place of the world.

MORE THAN JUST MACHINES

SANY provides equipment you can rely on and trust in any situation. But that’s not all. We then blanket your machine with the kind of support you expect to keep you on the job – no matter where that job takes you. Backed by an industry-leading warranty and supported with local service you can count on, you’ll always be confident in your decision to partner with SANY. Because with SANY, you get more than just machines.

