

# SHANTUI

## MINING DUMP TRUCKS

LET'S MAKE CONSTRUCTION EASIER

GROUP PRODUCTS



 **PT. BADAQ PRIMA LESTARI**

Kawasan Industri Millenium, Jl. Millenium 15 Blok I-2 No. 3A, Desa Peusar, Kecamatan Panongan,  
Kabupaten Tangerang, Banten 15710 INDONESIA  
Tel: +62 59986616 / 30 , Fax.: +62 59986847  
E-mail: sales@badakprima.co.id

[www.badakprima.co.id](http://www.badakprima.co.id)

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## WALK-AROUND

### CAB

Options include 3100mm offset type, 3300mm wide body and new imitated center cab.

### POWER SYSTEM

Choose Weichai Power, Weichai Engine + Fast Gearbox + Hande Widebody Mine Axle.

### INTAKE SYSTEM

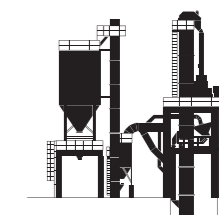
It adopts electric multistage dust rate and has four-stage filter device, which can effectively improve the quality of intake air and filter efficiency, and is more suitable for harsh working conditions; optional oil bath filter and installation of backblowing air filter.

### CARGO BOX

According to the requirements of different working conditions, rectangular boxes, rock boxes, and no tailgate boxes can be selected. The box material can be professionally designed and manufactured with wear-resistant plates and high-strength plates, with high strength, strong toughness, strong overall bearing capacity and impact resistance and tear.

### TIRES

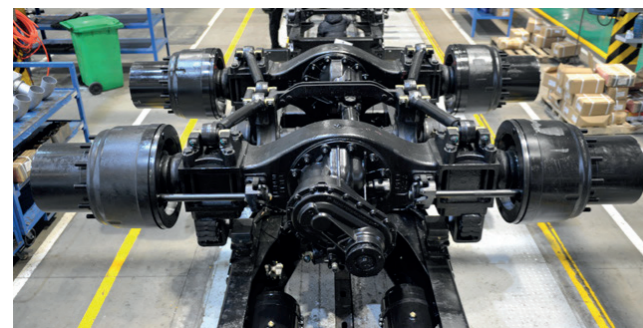
Choose international and domestic well-known brand engineering tires, and choose steel tires and bias tires according to different working conditions, so that the tires can obtain sufficient traction and improve the passing performance of the vehicle.





**CAB**

The door use an full double-sealed structure, excellent sound insulation and noise reduction, according to the test result from NVH, the noise is lower than the standard level of passenger cars; Wide view cabin, doors and windows, left side driving and right side driving both optional, Super large windshield has a wider view and improves the safety.



**ELECTRIC SYSTEM**

Highly modular & platform design, more functions, high application. Military and Aviation standards connectors for the wiring harness of the chassis and cabin, advanced AMP electrical component adopters, which makes electric system reliable and long life.

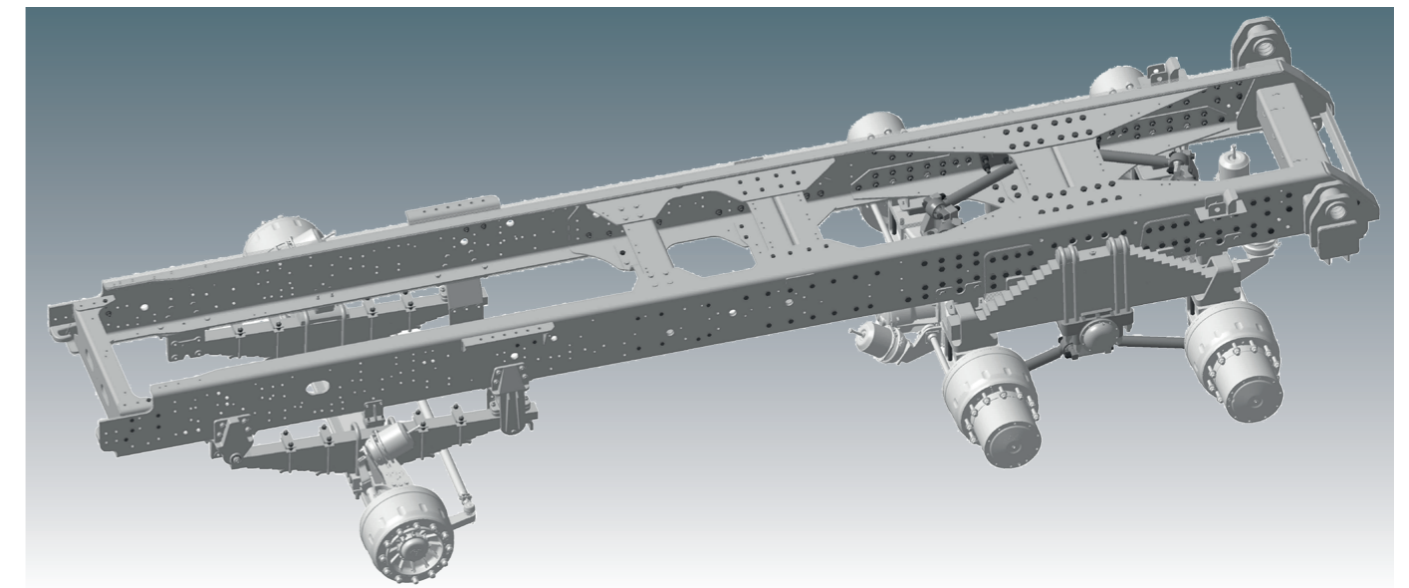
**GOLD POWER INDUSTRY CHAIN**

With the characteristics of low speed, high torque, high loadbearing, heavy start and strong climbing ability. The Heavy-duty driving system technology won the First prize of 2018 National Science and Technology Award.



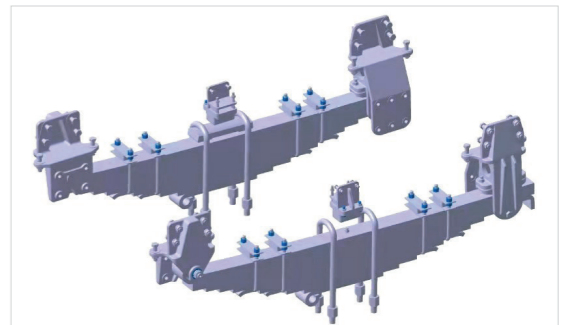
**VOSS BRAKING SYSTEM**

The first domestic industry to adopt German VOSS quick plug. Systematized brake piping system, highly modular design. Reliable valves, three relay valves, independent control of each bridge. Quick braking response and better braking performance.



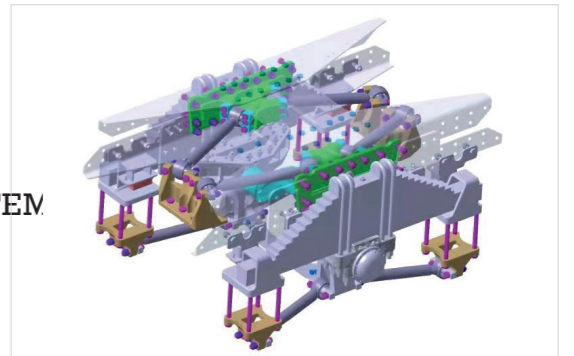
**HIGH-STRENGTH FLEXIBLE CHASSIS**

The cross-section of the main beam is higher and stronger, chassis is wider, driving more stable without load. High strengthen bolts on chassis and Self-Locking Nuts on balance frame to prevent loosening.



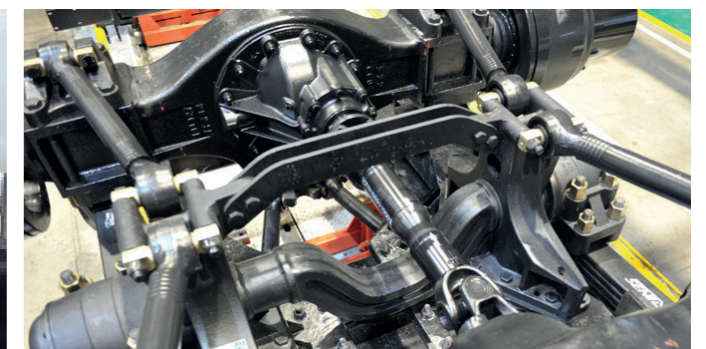
**NEW SWING TYPE FRONT AXLE**

New swing type front axle has good stress and higher reliability; the front band springs use slide plate type high-strength structure on front and rear bracket, The stress release is faster and the lateral stability is better; the front band springs have same thickness, it keeps the combination more strengthen. Band springs clip & rubber block structure to improve the reliability; double-tube shock absorber is more comfortable.



**NEW 8 TYPE THRUST ROD REAR SUSPENSION SYSTEM**

Integral frame type structure with balance rod, mature technology, stable and reliable. Thrust rod has good dynamic characteristics, eliminating the interference force of rod system movement; high-strength 15 pieces. Band springs with same thickness makes higher bearing strength and longer life.



Model		SK90-C6		SK90A-C6	
Vehicle parameters	Total mass(kg)	90000		90000	
	Curb weight(kg)	30000		30000	
	Load capacity(kg)	60000		60000	
	Length x Width x Height(mm)	9050×3550×4050		9050×3550×4050	
	Drive type	6×4		6×4	
	Case volume(m3)(SAE2:1)	32/40		32/40	
	Axle distance(mm)	3800+1550		3800+1550	
	Wheelbase(mm)	2606(Front2712)		2606(Front2712)	
	Max-speed(km/h)	40	45	45	
	Gradeability(%)	30		30	
	Min turning diameter(m)	22		22	
Ground clearance(mm)	380		380		
Axle load	Fully loaded(t)	20/35/35		20/35/35	
Engine	Model	WP12G430E310(III)	WP12G460E310(III)	WP12G460E310(III)	
	Power/Speed(kW r/min)	316/2100	338/2100	338/2100	
	Torque/Speed(N*m /rpm)	1870/(1200-1600)	2000/(1200-1600)	2000/(1200-1600)	
Clutch	Type	430 single piece pull type, hydraulic and pneumatic assist		/	
Gearbox	Model	7DS200K	8DS240A	FC6A210	
	Type	Central and wheel side planetary double-stage speed reduction with inter-axis differential lock		Central and wheel side planetary double-stage speed reduction with inter-axis differential lock	
Drive axle	Rated axle load(kg)	35000		35000	
	Air filter	Type	Electric multi-stage dust air filter		Electric multi-stage dust air filter
Radiator	Structure	Plate-fin radiator		Plate-fin radiator	
Fuel system	Capacity(L)	600L		600L	
Steering system	Power steering	Hydraulic power steering, hydraulic cylinder assist		Hydraulic power steering, hydraulic cylinder assist	
	System pressure(MPa)	17		17	
	Flow(L/min)	25		25	
Braking system	Service brake	Double circuit drum air brake		Double circuit drum air brake	
	Parking brake	Spring energy-storage shut-off brake and emergency brakee		Spring energy-storage shut-off brake and emergency brakee	
	Auxiliary brake	Engine exhaust brake + WEVB		Engine exhaust brake + WEVB	
	System pressure(bar)	10		10	
Suspension	Standing slope(°)	30(Upohill)/20(Dowanhill)		30(Upohill)/20(Dowanhill)	
	Front suspension	Longitudinal leaf spring		Longitudinal leaf spring	
	Leaf spring thickness/width/number	20/100/13		20/100/13	
	Rear suspension	Leaf spring balanced suspension		Leaf spring balanced suspension	
Dump lifting mechanism	Leaf spring thickness/width/number	29/100/15		29/100/15	
	Cylinder diameter	196		196	
CAB	Type	Single side left, semi-floating, forward 46°		Single side left, semi-floating, forward 46°	
	Damping seat	Adjustable up and down, front and rear, adjustable backrest angle		Adjustable up and down, front and rear, adjustable backrest angle	
Frame	Type	High-strength steel flexible frame(12+12)		High-strength steel flexible frame(12+12)	
Wheel	Tyre model	14.00-25		14.00-25	
	Rim model	10.00-25		10.00-25	

SK95-C1		SK95A-C1		SK105-C1		SK105A-C1	
Vehicle parameters	Total mass(kg)	95000		95000		105000	
	Curb weight(kg)	32000		32000		32500	
	Load capacity(kg)	63000		63000		67500	
	Length x Width x Height(mm)	9300×3650×4380		9300×3650×4380		9300×3650×4380	
	Drive type	6×4		6×4		6×4	
	Case volume(m3)(SAE2:1)	35/44		35/44		38/48	
	Axle distance(mm)	3885+1780		3885+1780		3885+1780	
	Wheelbase(mm)	2610(Front2712)		2610(Front2712)		2630(Front2712)	
	Max-speed(km/h)	45	45	45	45	45	
	Gradeability(%)	30		30		30	
	Min turning diameter(m)	24		24		24	
Ground clearance(mm)	400		400		400		
Axle load	Fully loaded(t)	25/35/35		25/35/35		25/40/40	
Engine	Model	WP12G460E310(III)	WP12G460E310(III)	WP13G530E310(III)		WP13G530E310(III)	
	Power/Speed(kW r/min)	338/2100	338/2100	390/2100		390/2100	
	Torque/Speed(N*m /rpm)	2000/(1200-1600)	2000/(1200-1600)	2300/(1200-1600)		2300/(1200-1600)	
Clutch	Type	430 single piece pull type, hydraulic and pneumatic assist		/		430 single piece pull type, hydraulic and pneumatic assist	
Gearbox	Model	8DS240A	FC6A210	8DS240A		FC6A250	
	Type	Central and wheel side planetary double-stage speed reduction with inter-axis differential lock		Central and wheel side planetary double-stage speed reduction with inter-axis differential lock		Central and wheel side planetary double-stage speed reduction with inter-axis differential lock	
Drive axle	Rated axle load(kg)	35000		35000		40000	
	Air filter	Type	Electric multi-stage dust air filter		Electric multi-stage dust air filter		Electric multi-stage dust air filter
Radiator	Structure	Plate-fin radiator		Plate-fin radiator		Plate-fin radiator	
Fuel system	Capacity(L)	600L		600L		600L	
Steering system	Power steering	Full hydraulic steering		Full hydraulic steering		Full hydraulic steering	
	System pressure(MPa)	17		17		17	
	Flow(L/min)	40		40		40	
Braking system	Service brake	Double circuit drum air brake		Double circuit drum air brake		Double circuit drum air brake	
	Parking brake	Spring energy-storage shut-off brake and emergency brakee		Spring energy-storage shut-off brake and emergency brakee		Spring energy-storage shut-off brake and emergency brakee	
	Auxiliary brake	Engine exhaust brake + WEVB		Engine exhaust brake + WEVB		Engine exhaust brake + WEVB	
	System pressure(bar)	10		10		10	
Suspension	Standing slope(°)	30(Upohill)/20(Dowanhill)		30(Upohill)/20(Dowanhill)		30(Upohill)/20(Dowanhill)	
	Front suspension	Longitudinal leaf spring		Longitudinal leaf spring		Longitudinal leaf spring	
	Leaf spring thickness/width/number	20/100/15		20/100/15		20/100/15	
	Rear suspension	Leaf spring balanced suspension		Leaf spring balanced suspension		Leaf spring balanced suspension	
Dump lifting mechanism	Leaf spring thickness/width/number	32/100/15		32/100/15		32/100/15	
	Cylinder diameter	196		196		196	
CAB	Type	Single side left, semi-floating, forward 46°		Single side left, semi-floating, forward 46°		Single side left, semi-floating, forward 46°	
	Damping seat	Adjustable up and down, front and rear, adjustable backrest angle		Adjustable up and down, front and rear, adjustable backrest angle		Adjustable up and down, front and rear, adjustable backrest angle	
Frame	Type	High-strength steel flexible frame(12+12)		High-strength steel flexible frame(12+12)		High-strength steel flexible frame(12+12)	
Wheel	Tyre model	16.00-25		16.00-25		16.00-25	
	Rim model	11.25-25		11.25-25		11.25-25	