



# Why PA Mining Dump Truck?

## PA Mining Dump Truck

## Others Truck

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### Clutch

Branded and reliable clutch.  
Excellent Ratio Combination of  
Engine Transmission and Bogie.

Valeo



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### Wheel Hub Structure

5 Planetary Pinions



汉德车桥  
HANDE AXLE

4 Planetary Pinions



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### Weight Balance

Safety of unloading.



4

### Traction Bar

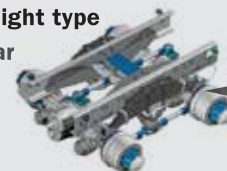
Unique combination  
V-type traction bar structure  
Wider and thicker spring.

V-type  
8 Bar



32mm(t)  
100mm(w)

Straight type  
6 Bar



28mm(t)  
80mm(w)

5

### Excellent Combination

Excellent Combination of  
Engine Transmission and Bogie.

Gear 4  
to climb



Gear 2  
to climb



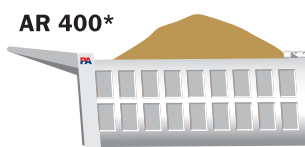
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### Climbing Performance

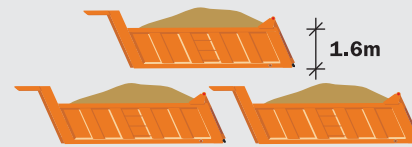
Outstanding powerful engine.



AR 400\*



1.9m/2.1m



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### Bucket

63ton - 5.7m X 3m X 1.9m  
88ton - 5.7m X 3.2m X 2.1m

8

### Chassis

Stronger and stabile.

1 Piece (450mm height)



450mm

2 pieces joint



225mm

225mm

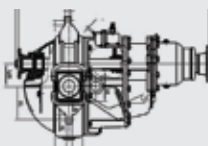
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### Technology of Drive Reduction

More reasonable structure and the active  
tapered gear has more reliable support structure.



European  
design



Asean  
design

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### Air Filter

New type air filter used in desert.

WP多级复合滤芯



Model		YZT3860	YZT3630	YZT3530
Gross Mass (kg)		88,000	63,000	53,000
Kerb Mass (kg)		23,000	20,000	19,000
Drive Type		6 X 4		4 X 2
Cab Pattern		Left or Right cab		
Body Status		Unilateral Driving cab		
Air Conditioner		Yes		
Engine		WD12.420 (420hp)	WD12.375 (375hp)	WD12.336 (336hp)
Rated Power (kw/rpm)		309/2,200	276/2,200	247/2,200
Max Torque		1,750	1,500	1,350
Fuel Injection System		Mechanical Pump		
Displacement		11.596L		
Clutch		Valeo 430 diaphragm of pulling and reinforced type		
Operation Form		Hydraulic controlled air booster		
Transmission		10JSD180K	9JSD180K	7DS135
Speed Operation		Double flexible shaft with manual manipulation		
Suspension	Front	Longitudinal steel spring + Cylindrical shock absorber		
	Rear	Longitudinal steel spring + Balancing suspension		Dominant and assistant structure
Axle (kg)	Front	18,000	13,000	18,000
	Rear	35,000 + 35,000	25,000 + 25,000	35,000 + 35,000
Brake		Drum Type		
Tyre		14.00-25 36PR	14.00-24 28PR	14.00-24 28PR
Rim		10.0-25	10.0-24	10.0-24
Bucket		Design by PA		
Air Filter		Electric 3 level dust filter and WP multistage compound dust filter		
Steering Device		Jiangmen 130 fixed ratio of hydraulic power steering device		
Frame (mm)	Outer Width	1,200	1,020	1,020
	Cross Section	450 X 130		
Brake system	Service Brake	2 circuit drum type with foot control		
	Parking Brake	Spring energy storage expired in braking and also emergency brake		
	Auxiliary Brake	WEVB Engine Exhaust Braking / Retarder Brake (Optional)		
Fuel Tank		400L, cold reduced sheet square tank		
Muffler		Longitudinal square		
Inner Dimensions of Cargo (mm)		L5,700 X W3,200 X H2,100	L5,700 X W3,200 X H1,900	
Overall Dimensions (mm)		L8,726 X W3,400 X H4,050	L8,141 X W3,200 X H4,010	L7,550 X W3,305 X H3,235
Overall Dimensions of Chasis (mm)		L8200 X W3310 X H3270		
Wheel Base (mm)		3,800 + 1,550		4,200
Track (mm)	Front	2,512		
	Rear	2,500		
Maximum Gradeability (%)		>35		
Minimum Turning Diameter (m)		≤18		
Minimum Ground Clearance (mm)		≤370		



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