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6X6



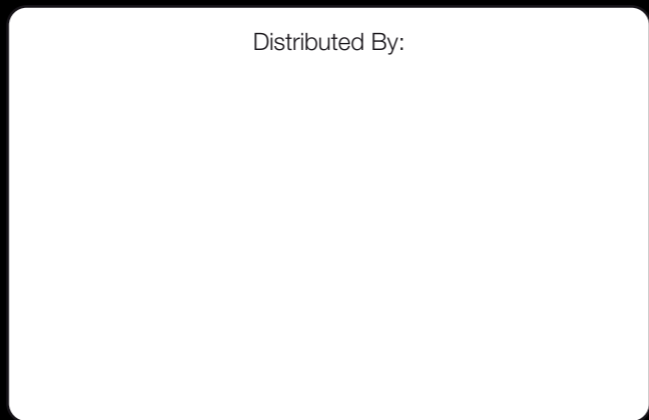
International Division

POWERPLUS GROUP PTE. LTD.
Powerplus Building
39 Ubi Crescent, Singapore 408587
Tel: (65) 63399333
Fax: (65) 63399933
Email: enquiry@powerplus.us

Research & Development Facility

POWERPLUS GROUP INC., U.S.A.
2130 N. Arrowhead Avenue,
San Bernardino, CA 92405, USA
Tel: (1) 909 300 3333
Fax: (1) 909 323 3333
Email: hq@powerplus.us

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**HEAVY DUTY
DUMP TRUCK**

PD3845ZA-II

CORPORATE OVERVIEW

POWERPLUS GROUP INC., USA, a leading global manufacturer of a comprehensive range of construction equipment, is part of Worldwide Techno-Equipment Group (1973) Pte Ltd. Established since 1973, POWERPLUS GROUP has evolved into a world-renowned organization that offers machinery unparalleled in price, quality and performance.

POWERPLUS machinery is manufactured with enhanced capacities to exceed even the most stringent international standards of quality and safety. With the aim of producing machinery that is able to withstand even the most extreme climatic conditions and rugged terrains, POWERPLUS Research & Development team which has its Headquarters in the United States, has been the backbone behind all its innovative engineering solutions.

Optimizing the best of technology from the United States, Europe and Japan, POWERPLUS machinery is configured to its ideal technical capabilities. A multinational team of engineers analyzes the data collected from our network of distributors worldwide and are on the constant lookout for ways to maximize the life-span of POWERPLUS machinery.

Today the Company's clientele spans over 100 countries across 6 continents.

At the forefront of setting quality standards, every POWERPLUS machine undergoes a technical review after 2 years and is tested rigorously before a new model is churned out of its production facility.

With an emphasis on delivering value and excellent after-sales service to our customers, the POWERPLUS experience outshines and outclasses its competitors in all aspects.



ERGONOMICALLY DESIGNED FOR COMFORT AND INCREASED PRODUCTIVITY

POWERPLUS Dump Truck cabins are shock and noise resistant to reduce operator fatigue. They also come equipped with an adjustable suspension seat, MP3 player and air-conditioning for prolonged working comfort.

What's more, a streamlined dashboard and wide operational view provides both ease of use and improved safety when in operation.



ENGINEERED FOR OPTIMAL DURABILITY



• ENGINE
Optimized performance, proven reliability, fuel efficiency.



• TRANSMISSION
Automatic transmission, high reliability & efficiency, excellent acceleration performance.



• LIFTING DEVICE
HYVA hydraulic lifting system, powerful lifting performance.



• MAIN FRAME
Strengthened chassis frame built to increase durability.



• AXLE ASSEMBLY
Robust single casting axle housing, double reduction. High torque efficiency & reliability.



• SAFETY

Roll Over Protection System (ROPS) and Falling Object Protection System (FOPS).



• ERGONOMIC CABIN

Well organized instrument panel, adjustable steering wheel, suspension seat and high capacity all-climate air conditioner provide convenience and comfort to the operator.



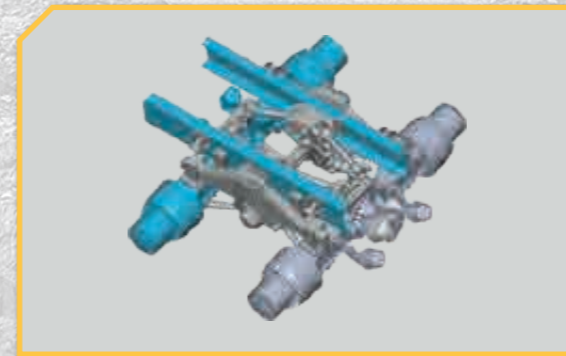
• AXLE DRIVE

Our 6x6 heavy duty axles improves stability and provides equal weight distribution to accommodate all job applications.



• FRAME

Heavy-duty rigid frames have been designed for severe off-road operations and durability.



• SUSPENSION

The front suspension adopts independent hydro-pneumatic suspension, which provides the driver with better stability and comfort. The rear suspension adopts leaf spring balance.



• HOISTING

HYVA hoisting system deliver precise dumping control and faster cycle times.



• DUMP BODY

The dump body is made of high tensile strength wear resistant steel. The U-shaped body increases load retention & maintains a low center of gravity.



• TIRE

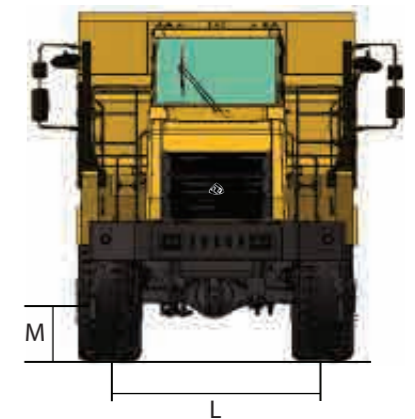
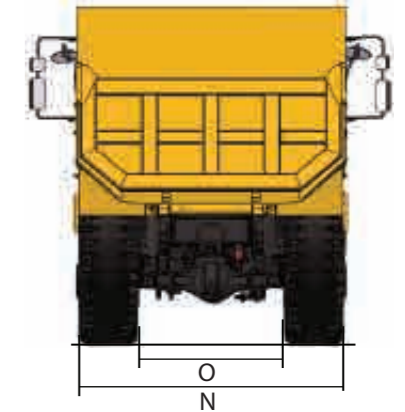
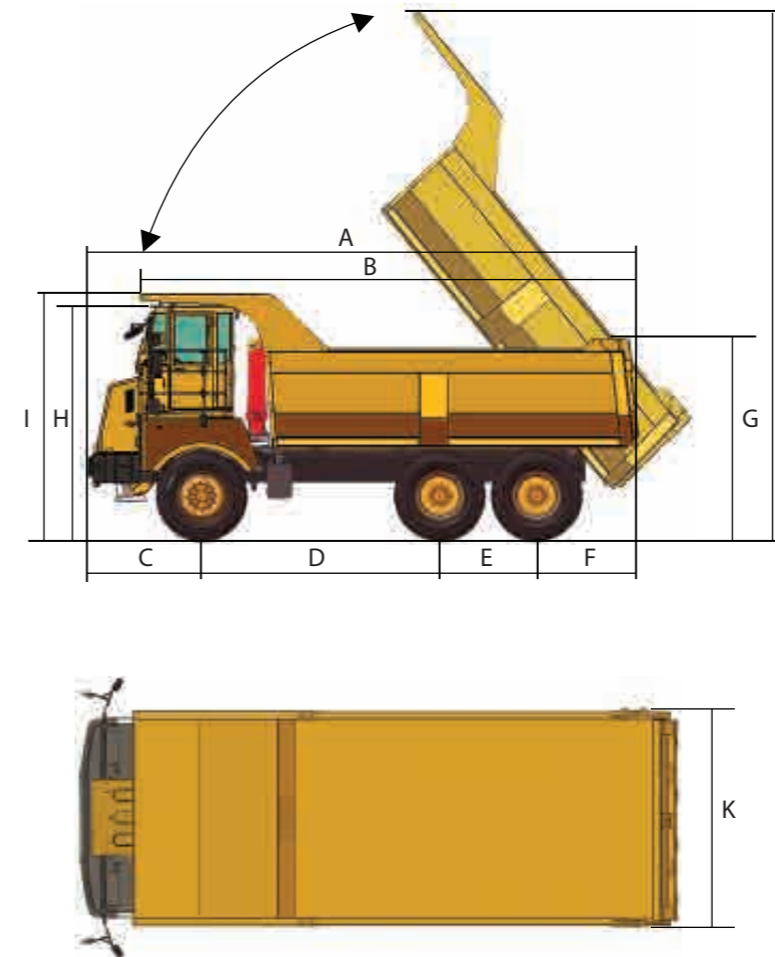
Special mining tires with longitudinal and transverse groove design provides excellent comfort, grip and performance.



PD3845ZA-II

MAIN SPECIFICATIONS		
Kerb Mass	kg	27000
Maximum Laden Mass	kg	45000
GVM	kg	72000
Axle Drive		6x6
Overall Length	mm	9350
Overall Width	mm	3485
Overall Height	mm	4350
Max. Height Of Lifting Cargo Body	mm	9245
Max. Angle Of Lifting Cargo Body	°	50
Gradeability	%	45
Maximum Speed	km/h	48
Working Pressure	MPa	23
ENGINE		
Model	WEICHAI WP12G460E310	
Rated Power	hp	460
Rated Speed	rpm	2100
Emission Standard	Euro III	
Displacement	L	11.596
TRANSMISSION		
Model	FC6A210PT	
Gears	6 Forward, 1 Reverse	
Type	Automatic	
DUMP BODY		
Bottom Plate Thickness	mm	12
Rear Plate Thickness	mm	12
Front Plate Thickness	mm	8
Side Plate Thickness	mm	8
Loading Volume (Struck/Heaped)	m ³	26.6 / 31.0
DUMPING SYSTEM		
Hydraulic Lifting System	HYVA	
Lifting Time For Cargo Body	sec	≤25
Falling Time For Cargo Body	sec	≤30

AXLE		
Make	HANDE	
Type	Double-stage reduction steering drive axle	
WEIGHT DISTRIBUTION		
Empty Payload		
Front Axle	kg	9500
Rear Axle	kg	17500
Total Weight (50% Fuel)	kg	27000
Heavy Payload		
Front Axle	kg	18000
Rear Axle	kg	54000
Total Weight	kg	72000
SUSPENSION		
Front Suspension	Independent hydro-pneumatic suspension	
Rear Suspension	Leaf spring balance	
STEERING SYSTEM		
Steering Type	Front axle full hydraulic steering	
Turning Radius	mm	9500
BRAKE SYSTEM		
Service Brake	Dual circuit air brake	
Parking Brake	Air shut-off spring brake	
Braking Distance	12m @ 30km/h	
SERVICE REFILL CAPACITIES		
Fuel Tank	L	400
Engine Oil	L	25
Transmission Oil	L	43
Differential & Final Drive Oil (Front, Middle, Rear)	L	Front Axle: 20 Mid Axle: 24.6 Rear Axle: 22.1
Hydraulic Oil	L	180
TIRE		
Tire Size (Front / Rear)	23.5R25 / 750/65R25	
Rims Size (Front / Rear)	19.5/2.5-25/ 24/3-25	



NO.	DIMENSION		
A	Overall Length	mm	9265
B	Total Dump Body Length	mm	8525
C	Front Overhang	mm	1890
D + E	Wheelbase	mm	4100 + 1800
F	Rear Overhang	mm	1475
G	Height (To Dump Body)	mm	3530
H	Height (To Cabin)	mm	4080
I	Overall Height	mm	4350
J	Dump Body Fully Tipped	mm	9245
K	Width (Dump Body)	mm	3450
L	Track Width	mm	2847
M	Ground Clearance	mm	540
N	Width (Outside Tires)	mm	3447
O	Width (Inner Tires)	mm	2247



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