

# A300D

## DUMP TRUCK

- Maximum payload: 28000kg
- Gross vehicle weight: 51500kg
- Body capacity – heaped: 16.8m<sup>3</sup> (SAE 2:1)
- Engine gross power: 246kW @2100rpm
- Maximum torque: 1674Nm @1400rpm

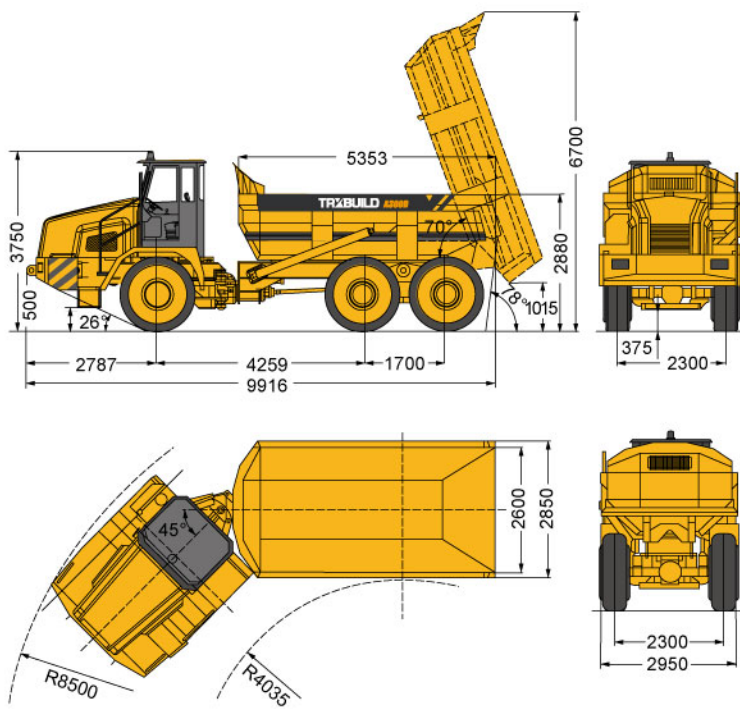


### Engineered for challenging terrain.

Engineered with a flexible chassis, the A300D Articulated Dump Truck manoeuvres freely in and out of harsh conditions with sheer ease. Coupled with dual circuit disc brakes for optimum braking performance and 6x6 drive configuration for any terrain, it is one revolutionary machine. The TRXBUILD A300D – a revolution in articulation.

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A Brand of Singapore Technologies Kinetics Ltd



## Specifications

Model	A300D
Drive	6x6
NVW (kg)	23500
Payload (kg)	28000
GVW (kg)	51500
Overall Length (mm)	9916
Overall Width (mm)	2950
Overall Height (mm)	3750
Wheelbase (mm)	4359
Track Front/Rear (mm)	2300 / 2300
Top Speed (Km/Hr)	42
Max Gradability (%)	> 43
Approach Angle (deg)	26
Departure Angle (deg)	78
Min Turning Diameter (m)	< 19m
Body Capacity struck (m <sup>3</sup> )	12.9
Body Capacity Heap (SAE 2:1) (m <sup>3</sup> )	16.8
Tyre Size	23.5R25
Rim Size	19.95/2.5-25

Note: Specifications are subject to change by the manufacturer without prior notice.

### ENGINE

Make/Model: Cummins QSM 11.  
Type: 4-cycle water-cooled electronic control; turbocharged and charged water cooled.  
Cylinders/Configuration: 6 in-line.  
Displacement: 10.8 litres.  
Maximum power: 246kW @ 2100 rpm.  
Maximum torque: 1674 Nm @ 1400 rpm.

### TRANSMISSION

Make/Model: ZF 6WG260.  
Type: Electronically controlled automatic transmission, with torque converter and hydraulic retarder.  
6 forward speed and 3 Reverse.

### FRAME

Comprises of front chassis, articulated joint and rear chassis.

### AXLES - FRONT AND DRIVE

Brand: Meritol.  
Each axle is installed with reducer gear and hub reduction gear box.  
Each individual axle is equipped with automatic differential locks.  
Disc brakes are used on all wheels.

### STEERING

Full hydraulic steering system.  
Emergency steering pump to provide maximum 10 minutes steering for safe parking.

### BRAKES

Dual circuit, air over hydraulic disc brake.  
Service brake-disc brake system.  
Parking brake-on drive shaft using Carlisle G1 component.  
Supplementary brake-transmission hydraulic retarder.

### SUSPENSION

Front: Air-over-hydraulic cylinder filled with hydraulic oil and nitrogen.  
Rear: Two rocker beams, connecting the rear axles attached to rubber damper connected by eight torque rods to the chassis.

### HOIST

Two single stage double-acting cylinders mounted on the outer side of chassis frame.  
Body raise/lower time: 12 seconds/10 seconds.

### CABIN

Ergonomically designed, all steel construction, middle positioned cabin. Insulated against heat and noise. Comprehensive Instrumentation suite.  
Good all round visibility and fully protected by automotive glass, complying with FOPS & ROPS standard. Integrated air conditioner with heater.  
Spring suspension driver seat with 2 point safety belt.

### BODY

Constructed from high strength steel with large box section stiffeners and a high tensile steel floor. Rubber cushion between body and frame.

### OTHERS

Electrical system: 24 volt, negative control.  
Batteries: 2 units.  
Water separator equipped.  
Radio with MP3 player.  
Pull down sunshade.

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