



Articulated Dump Truck Brochure 2013

Articulated Dump Truck A300D

A300D Main Technical Parameters

Weight Parameters

Driving Type	6X6
Rated Payload	28000kg
Kerb Weight	23500kg
G.V.W	51500kg

Size Parameters

Overall Dimensions L×W×H	9916x2950x3755mm
Wheel Base	(4359+1700)mm
Track Width	2300mm
Approach Angle	26°
Departure Angle	78°
Minimum Ground Clearance without Load/Load	418/375mm
Dump Body Ground Clearance (Dump position)	6700/1015mm
Max. Tipping Angle	70°

Performance Parameters

Top Speed load	42km/h
Max Grade Ability	>43%
Max Steering Angle	45°
Min. Turning Diameter (Front outer wheel)	≤17000mm
Brake Distance (From 32km/h to stop)	≤16000mm
Tipping Time	< 12sec
Lowering Time	< 10sec
Body Capacity Struck	12.9m ³
Heaped (SAE 2:1)	16.8m ³

Engine

	Cummins QSM11-335
Max. Power	250kw/2100r/min
Max. Torque	1704N.m/1400r/min

Transmission

Model	ZF 6WG260
Style	Electronically-controlled automatic transmission

Drive Axle

Type Heavy duty axles with fully-floating axle shafts and outboard planetary reduction gearing

Total Reduction Ratio	18 : 28 : 1
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Frame

Rectangular box-section beams forming the main side and cross members

Suspension

Front Suspension Hydro pneumatic suspension
Rear Suspension Each axle is couple to the frame by four rubber-bushed links, pivoting inter-axle balance beams equalize load on each rear axle

Steering

Full hydraulic steering system

Brakes

Dual circuit, air over hydraulic disc brake

Dump Body

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

Body Hoist System

Two single stage double acting cylinders mounted on the outer chassis frame

Electrical and Gauge

Voltage Rating	24V
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