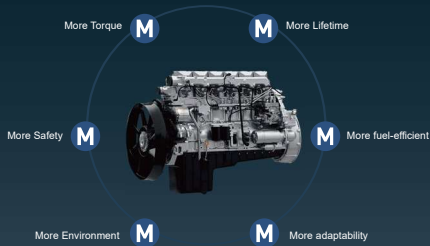


# JH6 8×4 420HP TIPPER (LHD)



## FAW CA6DM2

Designed by AVL List GmbH (Overhead camshaft + single-cylinder four-valve)



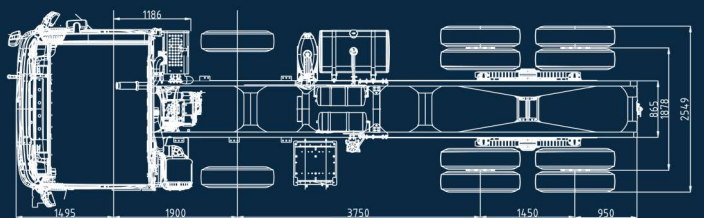
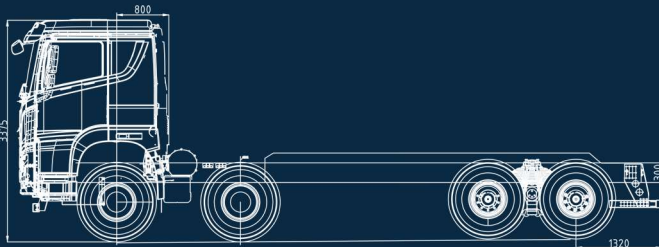
## MT

It adopts advanced hydraulic coupling technology and electronic control system, which can achieve the advantages of smooth speed change, quick response, and fuel economy. The electronic control system realizes the quick response and smoothness of gear shifting, improving driving comfort and safety.



## 300 Axle

The axle housing adopts the technology of cold rolling internal expansion (16 tons) and integral casting (16 tons). The max.output torque is 60.000Nm; the rear axle has a wide speed ratio range of 4.444-6.733 it is the most competitive axle for engineering vehicles.



- B10>1.2 million km & GCC Compliant: Ensures low maintenance and long service life.
- It has a three-layer structure for frame, four U-bolts to fix leaf spring for increased load-bearing capacity.
- Customized Engine Design for KSA: Handles long-term idle conditions well.
- Cabin Temperature Isolation Design: Beats the heat and provides a cool and refreshing ride.
- Top-notch Components: Adopts WABCO oil separator cartridge and EATON clutch.

## Main Specifications

- **Model:** CA3310P27K2L4T4EA80 8X4 420HP Tipper(LHD)  
 ► **Running Conditions:** on /off road

- **Recommend Areas:** Full-load≤80t  
 ► **Selling points:** MT

Items	Parameters
<b>PARAMETERS</b>	
<b>MASS</b>	
GVW (kg)	50T
Curb Weight of Chassis (kg)	12000
Front Axle load distribution (unload)	7280
Rear Axle load distribution (unload)	4720
Payload	19000
Permissible Max.Axle Load Front/Rear	9T*2/16T*2
<b>DIMENSIONS</b>	
Overall Length X Width X Height(Chassis)	9095*2550*3400
Wheel Base	1900+3750+1450
Overhang(Chassis)Front &Rear	1495/850
Wheel Track Front &Rear	2055/2055&1878/1878
Back of Cab to Rear Axle Center	5225
Height of chassis above ground	1120
<b>PERFORMANCE</b>	
Max.Speed (km/h)	84
Max.Grade Ability (%)	35
Approach Angle (°)	18
Departure Angle (°)	40
Parking Brake Grade Angle (%)	
Min.Ground Clearance (mm)	314
Min.Steering Radius (m)	≤19.7
Braking Distance(from 30km/h)(m)	
Sliding Distance(from 50km/h)(m)	
Fuel Consumption (L/100km)	≤40
Fuel Tank Capacity (L)	400L
<b>STRUCTURES</b>	
<b>CAB</b>	
Category	JH6 Raised Floor
	Flat Roof
Seat	2
<b>FRAME</b>	
Structures	Side rails/roll-in/riveted
Main Rail Section (mm)	300*80*(8+8+5)
Suspension Type	Leaf Spring
	(Front 11/Rear 11/13)
<b>MISCELLANEOUS</b>	
WABCO ABS	

Items	Parameters
<b>CONFIGURATION</b>	
<b>ENGINE</b>	
Model	FAW CA6DM2-42E52
Type	6 in-line/Water-cooling/Four stroke
	/Intercooling/Direct injection
Displacement (L)	11.05
Max Output Power (Kw/rpm)	312/1900
Max Torque (Nm / (r/min))	2100/1100-1400
Horsepower (Ps)	420
Emission Level	Euro 5
<b>TRANSMISSION</b>	
Model	FAST 12JSDX220TA-B
Type	MT
Forward Gear Ratio	i1=15.527,i2=12.072,i3=9.386,i4=7.330, i5=5.726,i6=4.462,i7=3.480,i8=2.706, i9=2.104,i10=1.643,i11=1.283,i12=1.000;
Reverse Gear Ratio	Ri1=14.852,Ri2=3.329;
<b>CLUTCH</b>	
Driven Plate Dia.	Φ430
Type	Pull type diaphragm clutch
<b>STEERING</b>	
Model	JIULONG
Type	17Mpa
Ratio	26
<b>REAR AXLE</b>	
Model	300 model (Double-Reduction)
Type	Hub reduction/Rated load 16000kg
Ratio	5.921
<b>BRAKE</b>	
Driving Brake	Dual circuit air braking system
Parking Brake	Manual valve spring cylinder storage brake
Auxiliary Brake	Engine brake,Exhaust brake
<b>WHEEL</b>	
Tire Model	12.00R24
Tyre Rim	24*8.5
Tire Type	Radial/Tube