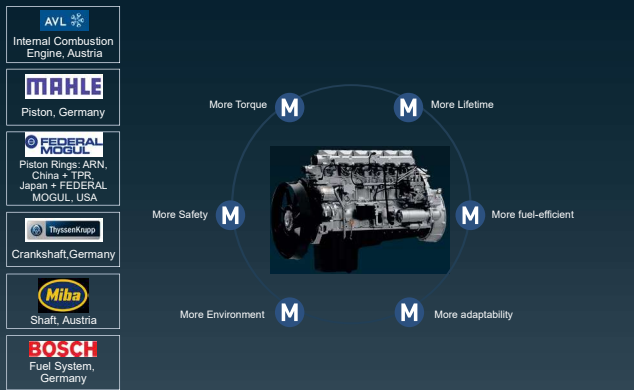


# JH6 4×2 420HP TRACTOR MT (Heavy Function)



## FAW CA6DM2

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



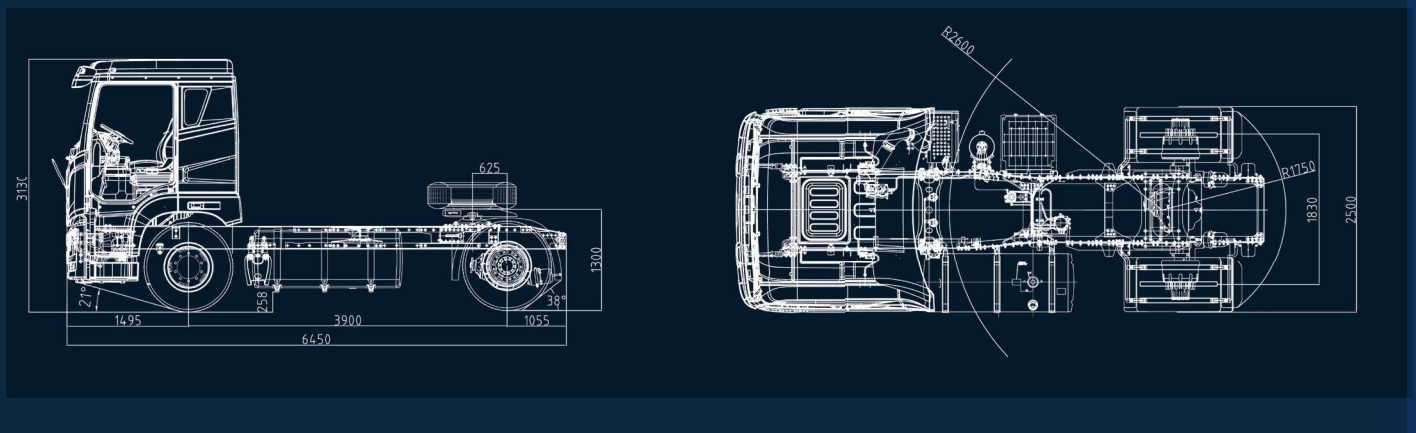
### ZF16S2235 TO

The elaborately designed speed ratio difference can optimize the gear selection so as to make the engine stay in the green fuel economy zone. Gearshift comfortability is enhanced. Gearshift noise is reduced.



### 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.
- Raised Fifth Wheel Corrugated Board: Fits all kinds of trailers easily and stably.
- 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:** CA4180P26K2E5A80 4X2 420HP Tractor(LHD)  
 ► **Running Conditions:** on road

- **Recommend Areas:** GCW45000kg  
 ► **Selling points:** MT

Items	Parameters
<b>PARAMETERS</b>	
<b>MASS</b>	
GVW (kg)	45T
Curb Weight of Chassis (kg)	6900
Max. drawing Capacity (kg)	38100
Total weight with trailer (kg)	45000
Max. Axle Load Distribution(Front/Kg)	9T
Max. Axle Load Distribution(Rear/Kg)	16T
<b>DIMENSIONS</b>	
Length (mm)	6450
Width (mm)	2570
Height (mm)	3550
Wheel Base (mm)	3900
Wheel Track Front /Rear (mm)	2020/1847
Overhang Front /Rear (mm)	1495/1055
<b>PERFORMANCE</b>	
Max.Speed (km/h)	120
Max.Grade Ability (%)	25
Approach Angle (°)	17
Departure Angle (°)	40
Parking Brake Grade Angle (%)	12
Min.Ground Clearance (mm)	222
Min.Steering Radius (m)	≤15
Braking Distance(from 30km/h)(m)	
Sliding Distance(from 50km/h)(m)	
Fuel Consumption (L/100km)	33
Fuel Tank Capacity (L)	725
<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+5)
Suspension Type	Leaf spring(Front 10/Rear 9+6)
<b>BODY</b>	
Fifth Wheel Type (inch)	2.0 inch
Turning Radius Front (mm)	2200
Turning Radius Rear (mm)	1850
Fifth Wheel Height Empty Load (mm)	1350
Fifth Wheel Height Full Load (mm)	1300

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	ZF16S2235 TO
Type	Overdrive/MT
Forward Gear Ratio	i1=13.8,i2=11.54,i3=9.49,i4=7.93, i5=6.53,i6=5.46,i7=4.57,i8=3.82, i9=3.02,i10=2.53,i11=2.08,i12=1.74, i13=1.43,i14=1.2,i15=1,i16=0.84;
Reverse Gear Ratio	Ri1=12.92,Ri2=10.8;
<b>CLUTCH</b>	
Driven Plate Dia.	Φ430
Type	Pull type diaphragm clutch
<b>STEERING</b>	
Model	TRW
Type	15Mpa
Ratio	23.30
<b>REAR AXLE</b>	
Model	300 model
Type	Double reduction/Rated load16000kg
Ratio	4.1
<b>BRAKE</b>	
Driving Brake	Dual circuit air braking system
Parking Brake	Manual valve spring cylinder storage brake
Auxiliary Brake	Engine brake
<b>WHEEL</b>	
Tire Model	12.00R24
Tyre Rim	24*8.5
Tire Type	Radial/Tube
<b>MISCELLANEOUS</b>	
WABCO ABS	