

JH6 4x2 420HP TRACTOR MT (Multi-function)



FAW CA6DM2

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



Internal Combustion Engine, Austria



Piston, Germany



Piston Rings: AFRN, China, FR, Japan + FEDERAL MOGUL, USA



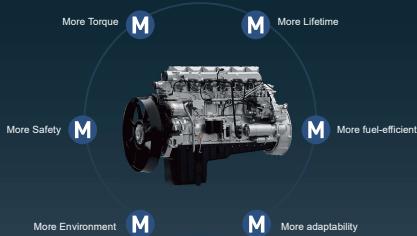
Crankshaft, Germany



Shaft, Austria



Fuel System, Germany



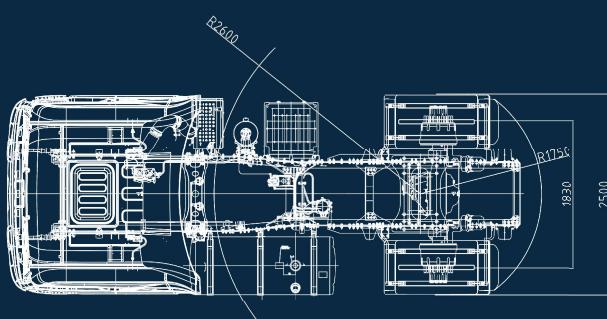
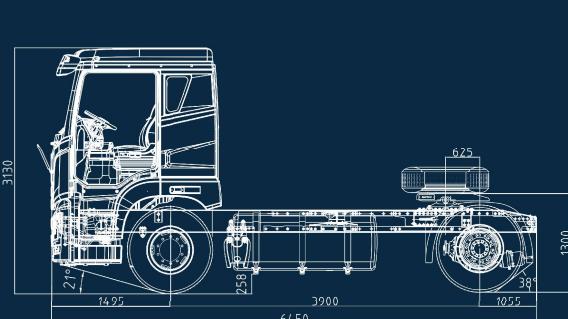
ZF16S2235 TO

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.



498 axle

With the strong bearing capacity (13 tons), strong driving capacity (output torque: 50000N·m), wide speed ratio (speed ratio range: 2.688-4.875), light weight and other characteristics, it is a highly competitive product in the standard load transportation market.



- 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)
- Recommend Areas: GCW4500kg
- Running Conditions: on road
- Selling points: MT

Items	Parameters	Items	Parameters
PARAMETERS		CONFIGURATION	
MASS			ENGINE
GVW (kg)	45T	Model	FAW CA6DM2-42E52
Curb Weight of Chassis (kg)	6900	Type	6 in-line/Water-cooling/Four stroke/ Intercooling/Direct injection
Max. drawing Capacity (kg)	38100	Displacement (L)	11.05
Total weight with trailer (kg)	45000	Max Output Power (Kw/rpm)	312/1900
Max. Axle Load Distribution(Front/Kg)	7T	Max Torque (Nm / (r/min))	2100/1100-1400
Max. Axle Load Distribution(Rear/Kg)	13T	Horsepower (Ps)	420
DIMENSIONS		EMISSION LEVEL	
Length (mm)	6450	Model	ZF16S2235 TO
Width (mm)	2570	Type	Overdrive/MT
Height (mm)	3550	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;
Wheel Base (mm)	3900	Reverse Gear Ratio	Ri1=12.92,Ri2=10.8;
Wheel Track Front /Rear (mm)	2020/1847	CLUTCH	
Overhang Front /Rear (mm)	1495/1055	Driven Plate Dia.	Φ430
PERFORMANCE		Type	Pull type diaphragm clutch
Max.Speed (km/h)	120	STEERING	
Max.Grade Ability (%)	25	Model	TRW
Approach Angle (°)	17	Type	15Mpa
Departure Angle (°)	40	Ratio	23.30
Parking Brake Grade Angle (%)	12	REAR AXLE	
Min.Ground Clearance (mm)	222	Model	498 model
Min.Steering Radius (m)	≤15	Type	Single reduction/Rated load 13000kg
Braking Distance(from 30km/h)(m)		Ratio	4.1
Sliding Distance(from 50km/h)(m)		BRAKE	
Fuel Consumption (L/100km)	33	Driving Brake	Dual circuit air braking system
Fuel Tank Capacity (L)	800	Parking Brake	Manual valve spring cylinder storage brake
STRUCTURES		Auxiliary Brake	Engine brake
CAB		WHEEL	
Category	JH6 Raised floor	Tire Model	Front:385/65R22.5,Rear:315/80R22.5
	Flat roof	Tyre Rim	9.00×22.5
Seat	2	Tire Type	Radial/Tubeless
FRAME		MISCELLANEOUS	
Structures	Side rails/roll-in/riveted	WABCO ABS	
Main Rail Section (mm)	300*80*(8+5)		
Suspension Type	Leaf spring(Front 10/Rear 9+6)		
BODY			
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		