

A bright orange FHX AD30 off-road dump truck is shown from a front-three-quarter view. The truck features large, black, treaded tires with orange rims. The body is primarily orange with blue accents, including the 'FHX' logo on the side of the dump body and 'AD30' on the front fender. The truck has a high cab with multiple windows and mirrors. The background is a solid blue color.



Courtesy of Machine.Market

Specifications



Engine

Gross power 300 HP / 221 kW
Net flywheel power (SAE J1349) 284 HP / 209 kW
Net flywheel power (EEC80/1269) 209 kW
Stated net flywheel power is delivered up to 3600 m a.s.l.

Make and model CUMMINS QSM11-C reduced emission TIER 2
Type Diesel, 4 stroke, direct injection turbocharged
aftercooler

Total displacement 10.8 l
N° of cylinders 6
Bore x stroke 125 x 147 mm
Rated engine speed 2100 rpm
Maximum torque at 1400 rpm 131 kgm



Weights (kg)

Front axle load (unloaded) 9500 kg
Rear axle load (unloaded) 9700 kg
Total weight (unloaded) 19200 kg
Pay load 30 ton - 27 mton
Total weight 46200 kg



Transmission

The **ZF 6WG210** is a automatic powershift transmission with six forward and three reverse speeds all with lockup. It also features a lockable differential between front and rear drives. Transmission has the hydraulic retarder to limit application brakes on sloping ground.

Performances

Tyres 23.5 R 25 fitted to five piece rims

Gears	Forward (km/h)	Reverse (km/h)
1	5.0	5.3
2	7.7	13.1
3	12.4	31.3
4	19.1	
5	29.7	
6	45.6	



Frame

The frame consists of front and rear section connected by a heavy duty universal coupling which allows both articulation and oscillation between the two sections. Front and rear section are fabricated from high tensile steel. The universal coupling consists of high tensile steel plates and incorporates a heavy duty ball circle ring and four taper roller bearings.



Cab

The centrally located ROPS/FOPS steel cab is rubber mounted to enhance operator comfort. The engine cover ensures outstanding forward visibility.



Axle

Three rigid type drive axles incorporating limited slip differentials.

The central axle features an additional lockable differential for outstanding traction on rough and slippery terrain.

Traction 6x6



Suspension

The unique front suspension allows both vertical and oscillating movement and consists of long stroke integral oil/pneumatic cylinders to provide excellent damping.

Rear suspension is also a unique system with its load absorbing torque reaction for permanent traction and stability.



Steering

Hydraulically operated articulated frame steering. Twin double acting steering cylinders allow 45° of articulated steering in both directions.

Emergency steering supplied standard

Turning radius 8.1 m

Max steering angle 45°



Tyres

Tubeless type fitted to five piece rims on all six wheels.

Radials 23.5-25 XADN
660/65-25 XAD, 750/65-25 XAD



Brakes

Service brake is a dual circuit full hydraulic system with dry disc brakes on all wheels.

Parking brake is a spring applied and hydraulically released dry disc type fitted to the rear drive line.



Body

The body is hardened and tempered wear resistant steel plates for the floor, front and sides reinforced with hardox (360-440 HB) high tensile pressed steel. Twin multi stage double acting cylinders positioned inside the rear frame for maximum protection.

A tipping angle of 67° with power raise and lower for clean quick tipping cycles.

Tipping time Power raise 14 sec
Power lower 12 sec

Body plate Floor and Scow 15 mm
thickness Sides 12 mm
Front 8 mm

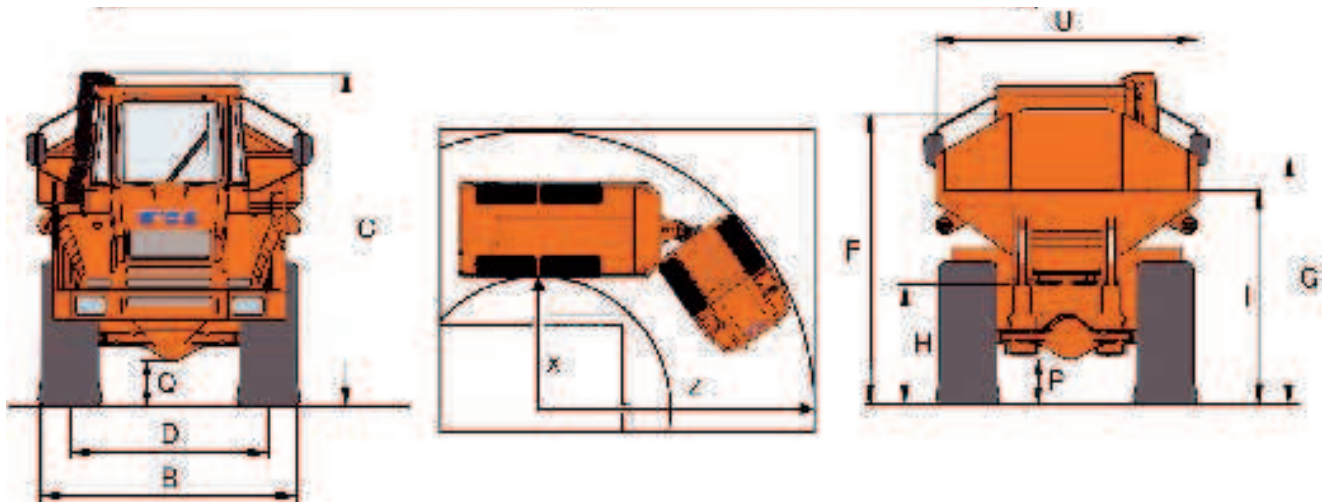
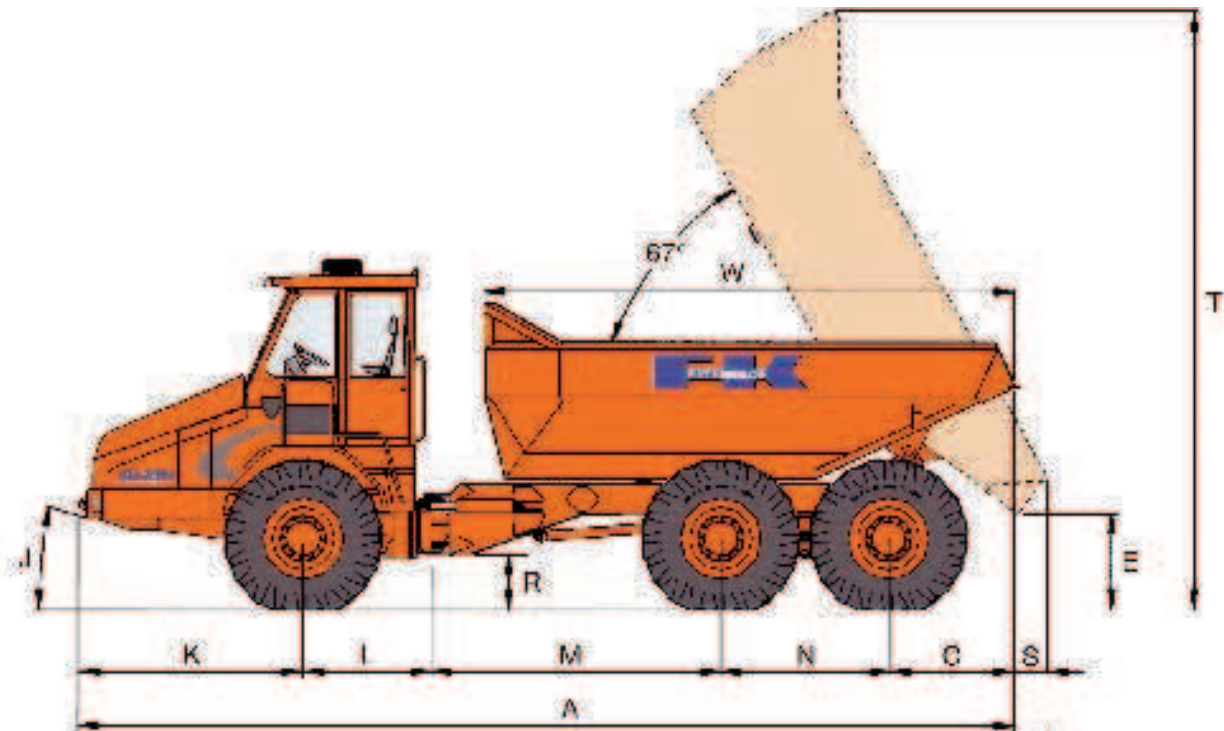
Body capacity Struck 13.2 m³
Heaped (SAE 2:1) 16.5 m³



Capacities

Fuel Tank 325 litres
Hydraulic Systems 250 »
Engine Cooling System 42 »
Engine Crankcase 34 »
Transmission 26 »
Axles
- Front 14 »
- Centre 16 »
- Rear 14 »

Dimensions (mm)



X	4 212
Z	8 105

A	9 728
B	2 934
C	3 517
D	2 250
E	838
F	3 130
G	2 804

H	1 264
I	2 369
J	25°
K	2 517
L	1 333
M	2 900
N	1 700

O	1 278
P	481
Q	481
R	540
S	316
T	6 350
U	2 800
W	5 250

Standard equipment

- Air cleaner, dry type
- Alternator, 70A
- Anti-freeze
- Back-up alarm
- Batteries, maintenance free
- Body, adapted for exhaust heat
- Brakes, dry disc
- Cab, ROPS/FOPS with seat belt
- Differentials, limited slip
- Electrical system, 24V
- Electrical control of engine hood
- Emergency steering
- Horn
- Instrument, dashboard with:
hourmeter, speedometer, engine rpm, clock
- Warning lights:
air filter restriction, battery charge, brake oil pressure, engi-

- ne coolant, transmission oil temperature, engine oil level, transmission oil pressure, fuel level, torque converter lock up, central differential lock-up, parking brake.
- Lights: two headlights, two rear floodlights, two stop lights/two reversing lights, tail lights
- Mirrors, left and right
- Parking brake
- Seat, with elastic suspension
- Seat, padded companion/trainer
- Steering column, tiltable
- Tool kit
- Transmission: torque converter and full automatic power-shift, automatic control
- Transmission, torque converter lock-up in all gears
- Tyres 23.5-25 XADN

Optional equipment

- Air conditioning
- Body heating
- Body extension(150mm)
- Body, heavy duty
- Cooled lunch box
- Cold weather starting aid
- Fuel pump
- Front suspension inflation kit
- Hydraulic retarder

- Radio-cassette player
- Scissor gate, mechanical actuation
- Rear view camera and monitor
- Rotating warning light
- Rear view mirrors heated and remotely controlled
- Side wipers and washes
- Tyres, 660/65R-25XAD, 750/65-25XAD
- Seat, pneumatic suspension



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