



## FAMT-20 DUMP TRUCK Technical Data

### 1.1 Configuration of the Integrated Equipment

#### (1) Engine

Manufacturer	Cummins
Design	water-cooled diesel engine two-stage combustion with Turbo.
Type	QSL9C300
Max power	224 Kw / 2300 rpm
Air intake system	Dry air filter
Exhaust system	Silencer/exhaust gas catalyst

#### (2) Torque converter

Manufacturer:	DANA
model:	14.5LHR36000

#### (3) Power shift transmission

Manufacturer:	DANA
Model:	LHR36000

**(4) Axles**

Type KESSLER DP91

**Optional:** DANA 19DL748 with enhanced cooled function.

**(5) Design of brake system**

Design of service brake multi-disk brake, externally cooled

Design of parking brake spring brake operated disk brake,  
Hydraulically released

**(6) Hydraulic system**

**Dump/hoist hydraulic system**

Number of hoisting cylinders  $\Phi 150/\Phi 105-1500$  2

Boom raising 15 sec

Bucket falling, from dumping position 10 sec

**Steering hydraulic system**

Number of steering cylinders  $\Phi 125/\Phi 90-460$  2

**(7) Wheels and tires**

Rim 16.00/2.5—24

Tires 16.00—24

Tire filling pressure 7.0 bar

## **1.2 Performance of the Integrated Equipment**

**(1) Main dimensions**

Length 8990 mm

Width 2376 mm

Height 2535mm

Bucket capacity (SAE, heaped) 11.5 m<sup>3</sup>

Max Unlading angle 65°

Inner clearance circle 6500±250 mm

Outer clearance circle 9500±250 mm

Steering angle  $40^{\circ} \pm 2^{\circ}$

**(2) Weights**

Operating weight 20800 kg

Payload 20000 kg

**(3) Driving capacities**

**Maximum driving speed, laden forward/reverse, on a level roadway**

1st gear 0~3.5 km/h

2nd gear 0~7.0 km/h

3rd gear 0~13.0 km/h

4th gear 0~23.0 km/h

Maximum admissible gradient 25% ( speed 3.3km/h, with payload)

**(4) Electrical equipment**

Operating voltage 24 V

Alternator 28 V/35 A

Battery  $2 \times 12$  V/165 Ah

Main/reversing headlights 50 W

**(5) Filling volumes**

Fuel tank 134 L

Hydraulic tank 275 L

Front axle differential gear 45 L

Rear axle differential gear 45 L