

# 330

**ARTICULATED TRUCK  
TIER II CERTIFIED**

## ENGINE

Model	Cummins QSM11, Tier II certified
Type	4-stroke, turbocharged and air to air cooled diesel
Cylinders	In-line 6
Bore/stroke	4.92 in x 5.79 in (125 x 147 mm)
Displacement	659 in <sup>3</sup> (10.8 L)
Aftercooler	Yes
Horsepower per SAE J1995	
Gross	315 hp (235 kW) @ 1900 rpm
Net	300 hp (224 kW) @ 1900 rpm
Maximum torque @ 1000 rpm	
Net	1180 lb-ft (1600 N-m)

## TRANSMISSION

Model	ZF 6WG260
Type	Powershift
Torque converter	Lock up all gears
Ratio	2.08:1
Gears	6 forward/3 reverse
Forward travel – mph (km/h)	
1st	3.2 (5.2)
2nd	5.0 (8.1)
3rd	7.8 (12.6)
4th	12.2 (19.6)
5th	17.8 (28.7)
6th	27.7 (44.5)
Reverse travel – mph (km/h)	
1st	3.2 (5.2)
2nd	7.8 (12.6)
3rd	17.8 (28.7)
Torque proportion – front/rear	33.3%/66.6%
Dropbox	Integrated
Gradeability	40% max. (18°)

## BRAKES

Service – caliper	1 per wheel (6), outboard discs (6)
Parking – caliper (2)	protected disc (1) on drive shaft
Jakob exhaust brake	

## TRANSFER BOX

Mounting	Integral
Ranges	1
Interaxle	Locking

## DRIVE AXLES

Make/model	ZF/AP 9
Type	Outboard Planetary
Axle	Limited slip
Interaxle	Locking differentials

## CHASSIS

Type	Front/rear box frame
Linkage	Universal joint

## STEERING/ARTICULATION

Frame connection	4 - taper roller
Articulation angle degrees	45°
Steering turns lock-lock	4.5
Secondary steering type	Ground drive

## SUSPENSION

Front type	Semi-independent arms
Front suspension	Nitrogen-oil
Rear type	2-Rocking beams
Rear suspension	Rods

## TIRES

Rim	5 section
Rim size	19.5 x 25
Optional rim size	22 x 25 or 25 x 25
Standard tire	Tubeless 23.5 x R25

## LOAD BODY

Construction	Ribless
Body tipping angle	67°
Body tipping time to raise/lower - sec	14/16
Tip cylinders type	Multi stage
Power down	Yes, 1st stage
Loadover height – ft/in (mm)	9 ft 4 in (2840)

## PAYLOAD

Payload - lbs (kg)	59,525 (27 000)
Capacity, struck	17 yd <sup>3</sup> (12.9 m <sup>3</sup> )
Capacity, heaped SAE 2:1	21.6 yd <sup>3</sup> (16.5 m <sup>3</sup> )

## DIMENSIONS

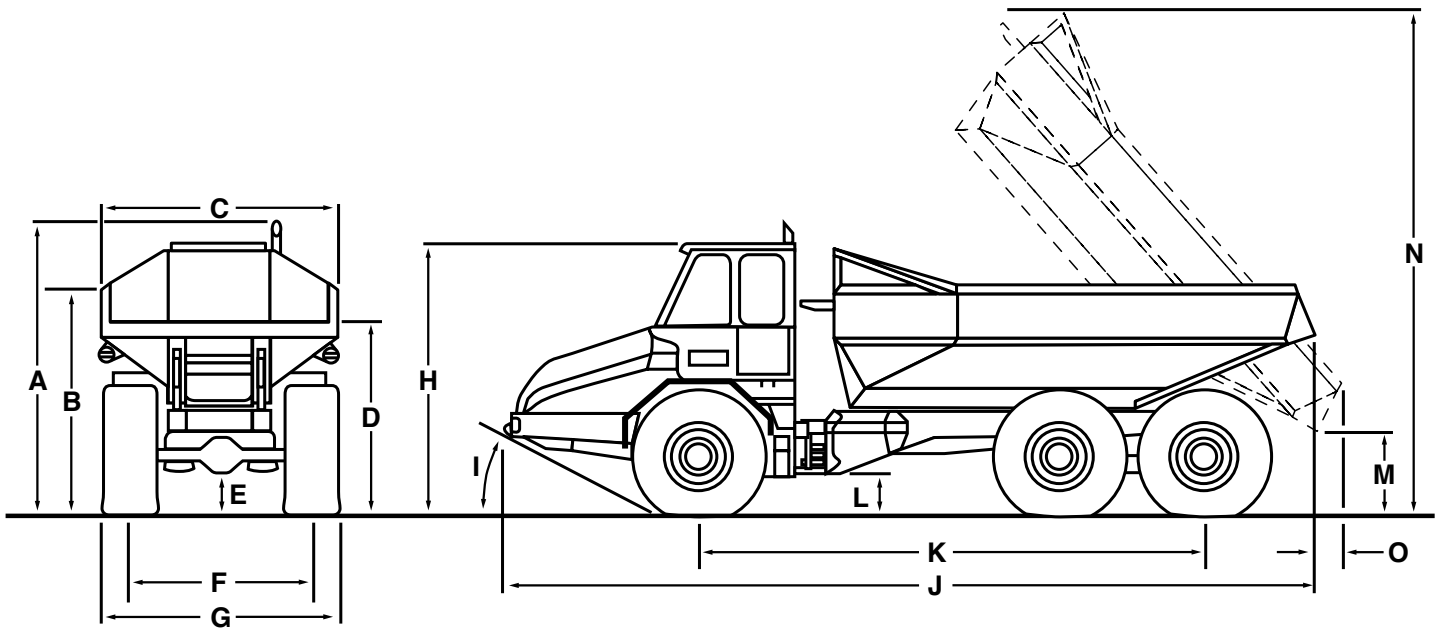
Overall length	32 ft 1 in (9797 mm)
Overall tire width	9 ft 6 in (2934 mm)
Overall height	11 ft 11 in (3644 mm)
Approach angle	27°
Turning radius	
Outside	26 ft 9 in (8163 mm)
Inside	14 ft 1 in (4295 mm)

## CAPACITIES

Fuel tank – gal (l)	86 (325)
Hydraulic reservoir – gal (l)	92.5 (350)
Engine oil – gal (l)	9.0 (34)
Transmission – gal (l)	10.0 (38)
Drive axles	
Front – gal (l)	3.4 (13)
Intermediate – gal (l)	4.5 (17)
Rear – gal (l)	3.4 (13)

## WEIGHT

Weight	44,445 lb (20 160 kg)
Front:	22,619 lb (10 260 kg)
Rear:	21,826 lb (9900 kg)
Total laden weight	103,970 lbs. (47 160 kg)



## DIMENSIONS

<b>A.</b>	Overall height	143 in (3.64 m)
<b>B.</b>	Height to side of load body	111 in (2.84 m)
<b>C.</b>	Load body width	110 in (2.80 m)
<b>D.</b>	Height to load bed end	93.3 in (2.37 m)
<b>E.</b>	Ground clearance – rear differential	20.0 in (0.51 m)
<b>F.</b>	Tread width – center to center	89 in (2.25 m)
<b>G.</b>	Overall width	116 in (2.94 m)
<b>H.</b>	Height to top of cab	138 in (3.51 m)
<b>I.</b>	Approach angle	27°
<b>J.</b>	Overall length	385 in (9.79 m)
<b>K.</b>	Wheelbase	236 in (5.99 m)
<b>L.</b>	Ground clearance @ articulation point	24 in (0.62 m)
<b>M.</b>	Dump clearance	35 in (0.88 m)
<b>N.</b>	Maximum height – dumping position	253 in (6.42 m)
<b>O.</b>	Rear dumping clearance	17 in (0.43 m)

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**STANDARD EQUIPMENT**

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**OPERATOR'S ENVIRONMENT**

ROPS (SAE J1040-ISO 3471)/  
FOPS (SAE J7231-ISO 3449) cab  
EPA off-road certified  
Heater/defroster/pressurizer  
Air conditioner  
Windshield wiper and washer, front and side  
Rear window protection grille  
Outside rear view mirrors  
Rear view camera and monitor  
Adjustable steering column  
Air suspension driver's seat  
3 inch wide retractable seat belt  
Passenger seat  
Radio ready  
Windshield sun shade  
Cup holder  
24V to 12V converter

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**INSTRUMENTATION**

Hourmeter  
Tachometer (rpm)  
Speedometer (mph and km/h)  
Fuel level  
Engine coolant temperature  
Engine oil pressure  
Transmission oil pressure  
Transmission visual display unit

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**OPTIONAL EQUIPMENT**

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**BODY**

Extensions  
Heating kit  
Rock body  
Rock body extensions  
Rear mechanical gate

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**TRANSMISSION**

Hydraulic retarder

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**INDICATOR LIGHTS**

Alternator charging  
Turn signal  
Service brake pressure  
Parking brake engaged  
Intermediate differential interaxle lock  
Differential lock  
4-wheel drive engaged  
6-wheel drive engaged  
Dump body raised  
Warning lights test button

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**SWITCHES**

Two speed front wiper  
Front wiper washer  
Side wiper washer  
Interior lights  
Horn  
24-volt cigarette lighter w/ashtray  
Hazard warning  
Reverse alarm  
Hi-beam lights  
Turn signal

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**ENGINE**

Cummins QSM11 Turbo Diesel  
Tier II certified  
Air cleaner – pre-cleaner

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**ELECTRICAL**

24-volt system  
140 amp hour batteries (2) – 1200 CCA  
70 amp alternator  
Head light, stop light, reverse light  
Front and rear turn signals/flashers  
12-volt wiring for radio and CB  
Electrically operating tilt up hood

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**HYDRAULICS**

Flow amplified  
Hydraulic diagnostic quick couplers

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**EMERGENCY STEERING SYSTEM**

Ground driven steering pump (1)

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**MISCELLANEOUS**

Auto Lube System  
Tool box

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**MISCELLANEOUS**

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Cold start aid – grid heater

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**TIRES**

23.5R25 Goodyear  
660/65R25 XADN Michelin

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**OPERATOR'S ENVIRONMENT**

Rotating Beacon  
Closed circuit TV (rear view camera & monitor)  
Heated and remotely controlled mirrors

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NOTE: All specifications are stated in accordance with SAE Standards or Recommended Practices, where applicable.

NOTE: All engines meet current EPA emissions requirements.

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