

ENGINE

Model	Cummins 6CTAA-8.3, Tier II certified
Type	4-stroke, turbocharged and air to air cooled diesel
Cylinders	In-line 6
Bore/stroke	4.49 in x 5.31 in (114 x 135 mm)
Displacement	506 in³ (8.3 L)
Aftercooler	Yes
Horsepower per SAE J1995	
Gross	260 hp (194 kW) @ 2200 rpm
Net	248 hp (184 kW) @ 2200 rpm
Maximum torque @ 1400 rpm	
Net	828 lb-ft (1123 N-m)

TRANSMISSION

Model	ZF 6WG210
Type	Powershift
Torque converter	Lock up all gears
Ratio	1.77:1
Gears	6 forward/3 reverse
Forward travel – mph (km/h)	
1st	3.2 (5.2)
2nd	5.0 (8.1)
3rd	8.0 (12.9)
4th	12.4 (19.9)
5th	19.2 (30.9)
6th	29.6 (47.6)
Reverse travel – mph (km/h)	
1st	3.4 (5.5)
2nd	8.5 (13.6)
3rd	20.3 (32.6)
Torque proportion – front/rear	33.3%/66.6%
Drop box	Integrated
Gradeability	40% max. (18°)

BRAKES

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

TRANSFER BOX

Mounting	Integral
Ranges	1

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	Electric

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	17 x 25 or 22 x 25
Standard tire	Tubeless 23.5 x R25

LOAD BODY

Construction	Ribless
Body tipping angle deg	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)	8 ft 11 in (2728)

PAYLOAD

Payload – lbs (kg)	50,706 (23 000)
Capacity, struck	13.9 yd³ (10.6 m³)
Capacity, heaped SAE 2:1	17.4 yd³ (13.3 m³)

DIMENSIONS

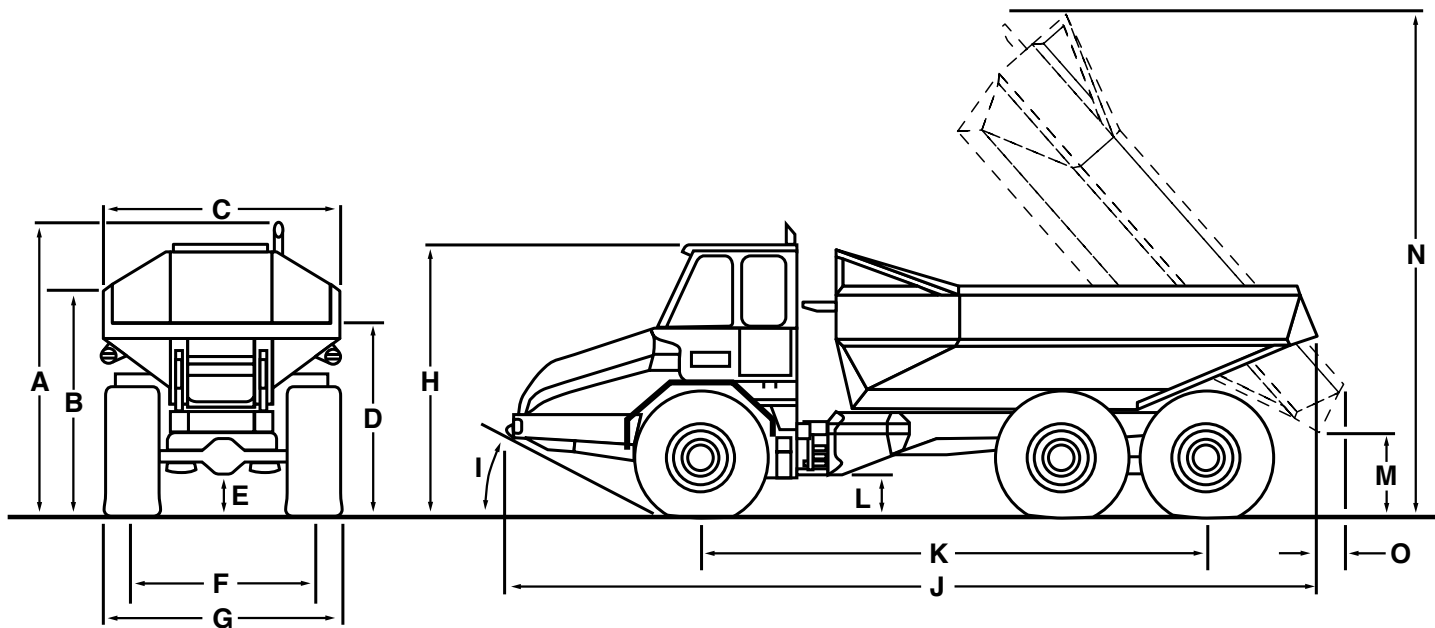
Overall length	32 ft 3 in (9820 mm)
Overall tire width	9 ft 2 in (2795 mm)
Overall height	11 ft 11 in (3638 mm)
Approach angle	27°
Turning radius	
Outside	26 ft 8 in (8182 mm)
Inside	14 ft 3 in (4362 mm)

CAPACITIES

Fuel tank – gal (l)	86 (325)
Hydraulic reservoir – gal (l)	52.8 (200)
Engine oil – gal (l)	5.8 (22)
Transmission – gal (l)	6.9 (26)
Drive axles	
Front – gal (l)	3.4 (13)
Intermediate – gal (l)	4.5 (17)
Rear – gal (l)	3.4 (13)

WEIGHT

Weight	41,116 lbs (18 650 kg)
Front:	20,172 lb (9150 kg)
Rear:	20,944 lb (9500 kg)
Total laden weight	91,822 lbs. (41 650 kg)



DIMENSIONS

A.	Overall height	143 in (3.64 m)
B.	Height to side of load body	107 in (2.73 m)
C.	Load body width	98 in (2.48 m)
D.	Height to load bed end	90 in (2.29 m)
E.	Ground clearance – rear differential	20 in (0.52 m)
F.	Tread width – center to center	85 in (2.15 m)
G.	Overall width	110 in (2.79 m)
H.	Height to top of cab	138 in (3.51 m)
I.	Approach angle	27°
J.	Overall length	387 in (9.82 m)
K.	Wheelbase	237 in (6.03 m)
L.	Ground clearance @ articulation point	25 in (0.63 m)
M.	Dump clearance	34 in (0.87 m)
N.	Maximum height – dumping position	254 in (6.45 m)
O.	Rear dumping clearance	14 in (0.35 m)

STANDARD EQUIPMENT

OPERATOR'S ENVIRONMENT

ROPS (SAE J1040-ISO 3471)/
FOPS (SAE J231-ISO 3449) cab
EPA off-road certified
Heater/defroster/pressurizer
Air conditioner
Windshield wiper and washer, front and side
Outside rear view mirrors
Rear window protection grille
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

INSTRUMENTATION

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

OPTIONAL EQUIPMENT

BODY

Extensions
Heating kit
Rock body
Rock body extensions
Rear mechanical gate

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

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

ENGINE

Cummins 6CTAA-8.3 Turbo Diesel
Tier II certified
Air cleaner – pre-cleaner

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

HYDRAULICS

Flow amplified
Hydraulic diagnostic quick couplers

EMERGENCY STEERING SYSTEM

Electrical steering pump (1)

MISCELLANEOUS

Auto Lube System
Tool box

TIRES

23.5R25 Goodyear
660/65R25 XADN Michelin

OPERATOR'S ENVIRONMENT

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

MISCELLANEOUS

Cold start aid – grid heater

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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.

IMPORTANT: CNH America LLC reserves the right to change these specifications without notice and without incurring any obligation relating to such change. CNH America LLC does not warrant the safety or reliability of attachments from other manufacturers.

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