

330B

**ARTICULATED TRUCK
TIER III CERTIFIED**

ENGINE

| | | |
|---------------------------|---|--|
| Model | Case Family IV 10 liter, Tier III certified | |
| Type | 4-stroke, turbocharged and air to air cooled diesel | |
| Cylinders | In-line 6 | |
| Bore/stroke | 4.82 in x 5.51 in (125 x 140 mm) | |
| Displacement | 629 in ³ (10.3 L) | |
| Aftercooler | Yes | |
| Horsepower per SAE J1995 | | |
| Gross | 349 hp (260 kW) @ 1800 rpm | |
| Net | 334 hp (249 kW) @ 1800 rpm | |
| Maximum torque @ 1140 rpm | | |
| Net | 1217 lb-ft (1650 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 | 3.4 (5.4) | |
| 2nd | 5.2 (8.9) | |
| 3rd | 8.1 (13.1) | |
| 4th | 12.7 (20.9) | |
| 5th | 18.6 (29.9) | |
| 6th | 28.8 (46.3) | |
| Reverse travel – mph (km/h) | | |
| 1st | 3.4 (5.4) | |
| 2nd | 8.1 (13.1) | |
| 3rd | 18.6 (29.9) | |
| Torque proportion – front/rear | 33.3%/66.6% | |
| Dropbox | Integrated | |
| Gradeability | 40% max. (18°) | |

BRAKES

| | | |
|----------------------------------|---------------------------------------|--|
| Service – caliper | 1 per wheel (6), outboard disk (6) | |
| Parking – caliper (1) | protected disc (1) on drive shaft | |
| Engine brake | | |
| Transmission retarder (optional) | | |

TRANSFER BOX

| | | |
|----------------------|----------|--|
| Mounting | Integral | |
| Ranges | 1 | |
| Front axle interlock | | |

FRONT WHEEL ENDS

| | | |
|------------|-------------------|--|
| Make/model | Kessler R81 PL488 | |
|------------|-------------------|--|

INTERMEDIATE AND REAR DRIVE AXLES

| | | |
|------------|--------------------|--|
| Make/model | Kessler D81PL488 | |
| Type | Outboard Planetary | |
| Axle | Limited slip | |

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 | |

LOAD BODY

| | | |
|--|------------------|--|
| Construction | Ribless | |
| Body tipping angle | 68° | |
| Body tipping time to raise/lower - sec | 13/13 | |
| Tip cylinders type | Multi stage | |
| Power down | Yes, 1st stage | |
| Loadover height – ft/in (mm) | 9 ft 7 in (2820) | |

PAYLOAD

| | | |
|--------------------|---|--|
| Payload - lbs (kg) | 62,082 (28 160) | |
| Capacity, struck | 17.8 yd ³ (13.7 m ³) | |
| Capacity, heaped | | |
| SAE 2:1 | 23 yd ³ (17.6 m ³) | |

DIMENSIONS

| | | |
|--------------------|-------------------------|--|
| Overall length | 32 ft 11 in (10 030 mm) | |
| Overall tire width | 9 ft 9 in (2960 mm) | |
| Overall height | 11 ft 11 in (3650 mm) | |
| Approach angle | 23° | |
| Turning radius | | |
| Outside | 27 ft 1 in (8256 mm) | |
| Inside | 13 ft 5 in (4090 mm) | |

CAPACITIES

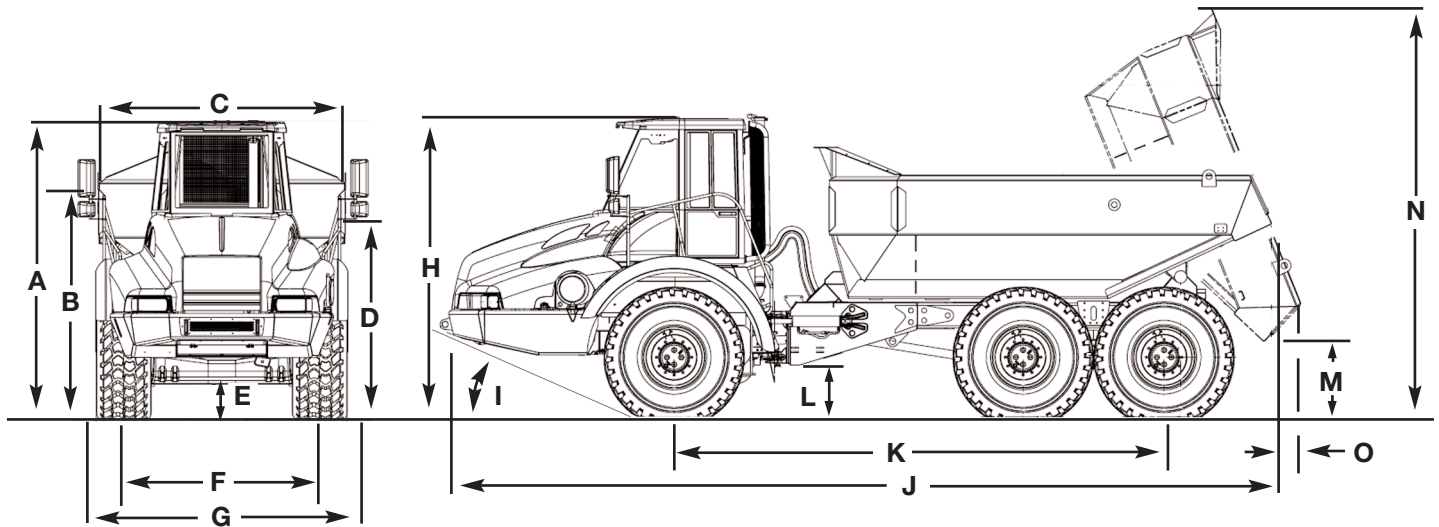
| | | |
|-------------------------------|------------|--|
| Fuel tank – gal (l) | 100 (380) | |
| Hydraulic reservoir – gal (l) | 58.1 (220) | |
| Engine oil – gal (l) | 8.0 (30.5) | |
| Transmission – gal (l) | 10.0 (38) | |
| Front wheel hubs – gal (l) | .8 (3.0) | |
| Drive axles | | |
| Intermediate – gal (l) | 4.0 (15) | |
| Rear – gal (l) | 3.4 (13) | |

TIRES

| | | |
|---------------|-------------------|--|
| Rim | 5 section | |
| Rim size | 19.5 x 25 | |
| Standard tire | Tubeless 23.5 R25 | |

WEIGHT

| | | |
|--------------------|-----------------------------|--|
| Weight | 49,758 lb (22 570 kg) | |
| Front: | 26,455 lb (12 000 kg) | |
| Rear: | 23,303 lb (10 570 kg) | |
| Total laden weight | 111,840 lbs. (50 730 kg) | |



DIMENSIONS

| | | |
|-----------|---------------------------------------|--------------------|
| A. | Overall height | 143.7 in (3.65 m) |
| B. | Height to side of load body | 115 in (2.92 m) |
| C. | Load body width | 116.5 in (2.96 m) |
| D. | Height to load bed end | 97.2 in (2.47 m) |
| E. | Ground clearance – rear differential | 18.5 in (0.47 m) |
| F. | Tread width – center to center | 92.9 in (2.36 m) |
| G. | Overall width | 116.5 in (2.96 m) |
| H. | Height to top of cab | 142.5 in (3.62 m) |
| I. | Approach angle | 23° |
| J. | Overall length | 394.9 in (10.03 m) |
| K. | Wheelbase | 232.7 in (5.91 m) |
| L. | Ground clearance @ articulation point | 24.8 in (0.63 m) |
| M. | Dump clearance | 39.4 in (1.00 m) |
| N. | Maximum height – dumping position | 248.4 in (6.31 m) |
| O. | Rear dumping clearance | 17 in (0.43 m) |

STANDARD EQUIPMENT

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
Trainer seat
Radio
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

No body or hoist cylinders
Body heating kit
Rock body
Rear mechanical tailgate

TRANSMISSION

Hydraulic retarder
Auto warm up

INDICATOR LIGHTS

Alternator charging
Turn signal
Service brake pressure
Parking brake engaged
Front axle interlock
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

Tier III certified
Engine brake
Electronic fuel injection
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

Ground driven steering pump (1)

MISCELLANEOUS

Cab tilting system
Cold start aid – grid heater
Centralized lube

TIRES

23.5R25 XADN
650/65R25 XAD

OPERATOR'S ENVIRONMENT

Rotating Beacon
Closed circuit TV (rear view camera & monitor)

MISCELLANEOUS

Ground line start
Auto lube
Work light cab mount
Engine block 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.

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