

# UD1800HD

2008 MODEL YEAR



# TRUCKS

Distributed by

**Nissan Diesel America, Inc.**

## WHEELBASES

	E	F	H	K	N
GVWR (lb.)	17,995	17,995	17,995	17,995	17,995
Chassis Weight (lb.)	7,100	7,175	7,230	7,285	7,440
Front (lb.)	4,840	4,885	4,915	4,935	5,025
Rear (lb.)	2,260	2,290	2,315	2,350	2,415
Gross Payload (lb.)*	10,895	10,820	10,765	10,710	10,555
Wheelbase (in.)** WB	148.43	166.54	178.35	190.16	216.54
Cab-to-Rear Axle (in.) CA	112.20	130.30	142.10	153.90	180.30
Rear Overhang (in.) RO	63.80	63.80	78.00	83.90	96.90
Overall Length (in.) OL	258.50	276.60	302.60	320.30	359.70
Typical Body Lengths (ft.)***	14/16	16/18	18/20	20/22	22/24
Turning Radius (ft.)	19.70	21.70	23.30	24.60	27.60

Gross payload capacity equals GVWR minus chassis weight. Installation of specialized equipment or bodies may require frame reinforcement. \*\*Wheelbase selection should be based on specific weight distribution. \*\*\*Typical body lengths assume water level load (no specific consideration for driver, passengers, or fuel) to maximize GVWR. Addition of ancillary equipment such as lift gates and refrigeration units not considered in calculations.

## ENGINE

MD-230\* 24 Valve  
 Turbo/Intercooled Diesel  
 In-line 6 cylinder, Direct-injection  
 Horsepower 230 hp @ 2,500 rpm  
 Torque 506 lb. ft. @ 1,500 rpm  
 Displacement 469 in.<sup>3</sup> (7.684 L)  
 Cylinder Liner Dry, replaceable  
 Air Compressor 14.1 CFM @ 2,600 engine rpm (nominal)  
 Fuel System Electronically controlled common rail system  
 Air Cleaner 11 in., paper filter type (DONALDSON)  
 Cold Starting Aid Automatic electric glow plug  
 Fan Viscous type drive

\*MD-230 (J08E-TE) is a vendor engine manufactured for Nissan Diesel Motor Company

## FRONT AXLE

GAWR 7,275 lb.  
 Rated Axle Capacity 8,150 lb.  
 Axle Type "I" Beam  
 Suspension Semi-elliptic leaf springs  
 Shock Absorbers Telescopic type



\*UD1800HD shown here with dealer installed optional equipment.

## TRANSMISSION

**STD**  
 Nissan Diesel, MLS63B  
 Manual, 6 forward  
 speeds & 1 reverse  
 synchronesh on 2nd  
 through 6th gears

**OPTION**  
 Allison, 1000RDS  
 Automatic  
 5 forward  
 speeds & 1  
 reverse

### Ratios

1st	6.72	3.10
2nd	4.03	1.81
3rd	2.30	1.41
4th	1.44	1.00
5th	1.00	0.71
6th	0.74	—
Rev.	6.12	4.50
R/A Ratio	3.73 - 3.90 <sub>STD</sub> - 4.11	3.73 - 3.90 <sub>STD</sub> 4.11
Engine rpm @ 65 mph	w/215/75R17.5 - 2,050 - 2,145 - 2,265 - 1,975* - 2,065* 2,175*	

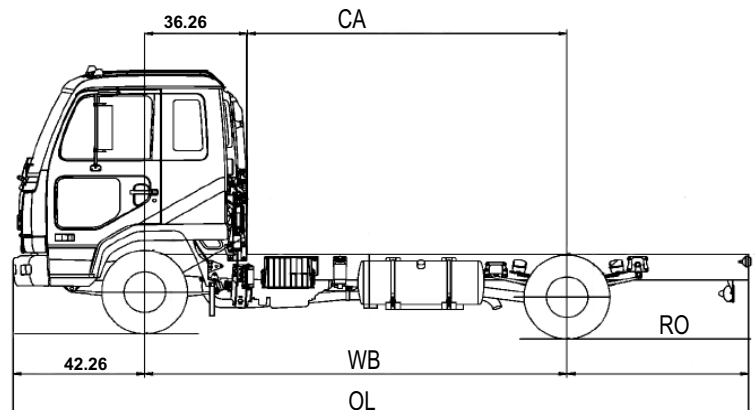
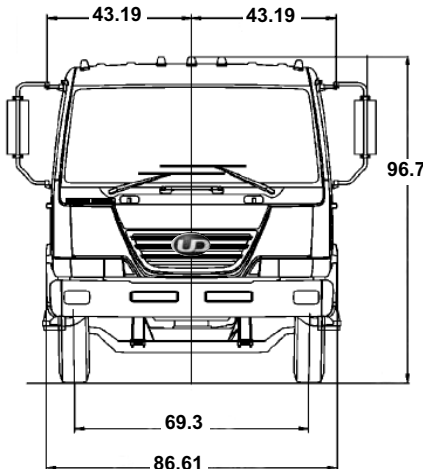
\*Approximate engine rpm only. Allison will provide a performance scan by application on request.

## CLUTCH

Hydraulic clutch with air assist  
 13.8 in. cerametallic friction material  
 Standard clutch wear indicator

## STEERING

Integral power steering, gear driven pump  
 Steering Column Tilt & telescopic type



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## REAR AXLE

GAWR 13,000 lb.  
Rated Axle Capacity 16,540 lb.  
Axle Type Full-floating banjo housing  
Suspension Type Semi-elliptic leaf springs with auxiliary springs

## WHEELS & TIRES

Tires Front: Single, highway tread  
Rear: Dual, highway tread  
215/75R17.5 - 14PR (tubeless radial)  
Wheels Steel disc type, 6 hole,  
6.00 x 17.5 in., offset 5.3 in.

## BRAKE SYSTEM

Service Brakes Anti-lock Braking System  
Dual line, air-over-hydraulic brake system  
Front Internal expanding, two leading shoe,  
self-adjusting drum brakes  
Drum diameter x lining width x lining  
thickness: 12.60 x 4.33 x 0.47 in.  
Rear Internal expanding, dual two leading shoe,  
self-adjusting drum brakes  
Drum diameter x lining width x lining  
thickness: 12.60 x 5.31 x 0.47 in.  
Air Tanks Supply: 641 in.<sup>3</sup>  
Front service: 549 in.<sup>3</sup>  
Rear service: 641 in.<sup>3</sup>  
Total: 1,831 in.<sup>3</sup>  
Air Dryer Standard  
Parking Brake Hand brake lever activating drum at  
rear of transmission

## EXHAUST BRAKE

Electrically controlled, pneumatically  
activated butterfly valve in exhaust pipe

## CHASSIS FRAME

Ladder type, channel section side rails

Wheelbases	E, F, H, K	N
Dimensions (in.) *	9.21 x 2.76 x 0.28	9.21 x 3.15 x 0.28
Assembled Width (in.)	33.9	33.9
Section Modulus (in. <sup>3</sup> ) **	18.3	20.2
Yield Strength (psi)	51,200	51,200
RBM (in.-lb.)	937,000	1,034,000

\*Height x Flange Width x Thickness \*\*Measured at back-of-cab, specifications  
based on complete chassis (both rails)

## FUEL TANK

Round fuel tank, mounted to left side  
Capacity - 33 gallons

## CAB

Forward control, steel construction, tilting  
cab. Cab suspension w/ shock absorbers  
Air Conditioner Standard  
Cab Glass Windshield, tinted laminated, 2,314 in.<sup>2</sup>  
Cruise Control Standard  
Door Locks Driver & passenger, electric control  
Door Vent Window Driver, ventilating type  
Driver's Seat Height & seat back angle adjustable w/air  
suspension, cloth cover, high back type  
Floor mat Standard  
Keyless Entry Standard  
Passenger Seat Seat back angle adjustable. Cloth cover,  
high back  
Seat Belts Driver & passenger, 3-point ELR type  
Rearview Mirrors West coast type, 6.5 x 11 in. with Convex  
type, 5.8 x 4.3 in.  
Steering Column Tilt & telescopic type  
Sun Visors Driver & passenger  
Windows Driver & passenger, electric control  
Windshield Wipers Dual, electric-driven, intermittent & 2 speed

## ELECTRICAL EQUIPMENT

Back-up lights  
Cigar lighter  
Clearance, identification & position lights  
Day-time running lights  
Halogen headlights, 2 lamps  
Interior and map light  
License light  
Side turn signal lights  
Stop/tail lights  
Turn signal/hazard lights  
Power outlet - 12 volt

## INSTRUMENTS

Meters & Gauges Air pressure gauges  
Coolant temperature gauge  
Fuel gauge  
Speedometer, odometer & trip meter  
Tachometer

## Warning & Indicator Lights & Buzzers

ABS warning light  
Alternator low charge warning light  
Automatic Transmission:  
- Check warning light  
- Range inhibited warning light  
- High temperature fluid warning  
light & buzzer  
Cab lock warning light & buzzer  
Engine control system warning light  
Engine glow plug indicator light  
Exhaust brake indicator light  
External air restriction indicator  
Hazard warning flasher  
High beam indicator light  
Low air pressure warning light & buzzer  
Low brake fluid level warning light  
& buzzer  
Low coolant level & overheating  
warning light & buzzer  
Low oil pressure warning light  
Parking brake indicator light  
Sedimentor warning light  
Service brake warning light & buzzer  
Turn signal indicator lights  
Warning lights with burnt-out bulb  
check function  
Backup alarm  
DPF warning/indicator lights

## OTHER OPTIONS

AM/FM stereo radio with CD  
Block heater  
Center console/third seat  
Rear wheel parking brake  
Heated mirrors  
Rear traction tires

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latest product information available at the time of this publication. The right is  
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grams and models, and to discontinue models of equipment at any time, without  
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