

UD1800HD

2006 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.)	6,935	7,010	7,065	7,120	7,275
Front (lb.)	4,675	4,720	4,750	4,770	4,860
Rear (lb.)	2,260	2,290	2,315	2,350	2,415
Gross Payload (lb.)*	11,060	10,985	10,930	10,875	10,720
Wheelbase (in.)** WB	148.4	166.5	178.3	190.2	216.5
Cab-to-Rear Axle (in.) CA	112.2	130.3	142.1	153.9	180.3
Rear Overhang (in.) RO	63.8	63.8	78.0	83.9	96.9
Overall Length (in.) OL	258.5	276.6	302.6	320.3	359.7
Typical Body Lengths (ft.)***	14/16	16/18	18/20	20/22	22/24
Turning Radius (ft.)	19.7	21.7	23.3	24.6	27.6

*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.

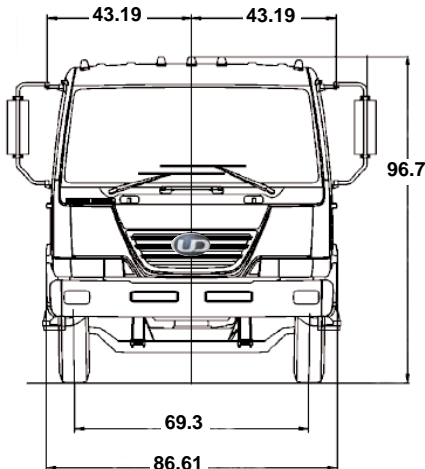
ENGINE

	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. ³ (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

Ratios	STD		OPTION	
	Nissan Diesel, MLS63B		Allison, LCT1000RDS	
	Manual, 6 forward speeds & 1 reverse synchromesh on 2nd through 6th gears		Automatic 5 forward speeds & 1 reverse	
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 _{STD}	-4.11	3.73 --- 3.90 _{STD} 4.11
Engine rpm @ 65 mph	w/215/75R17.5	-2,050 -2,145	--- 2,265	- 1,975* - 2,065* 2,175*

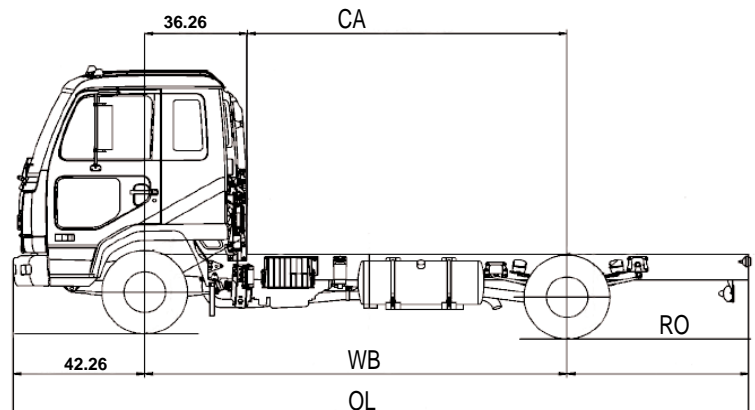
*Approximate engine rpm only. Allison will provide a performance scan by application on request.

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, traction type
 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.³
 Front service: 549 in.³
 Rear service: 641 in.³
 Total: 1,831 in.³
 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	Hi Tensile Option
				F, H
Dimensions (in.) *	9.21 x 2.76 x 0.28	9.21 x 3.15 x 0.28	9.21 x 2.76 x 0.28	9.21 x 2.76 x 0.28
Assembled Width (in.)	33.9	33.9	33.9	33.9
Section Modulus (in. ³) **	18.3	20.2	18.3	18.3
Yield Strength (psi)	42,600	42,600	51,200	51,200
RBM (in.-lb.)	780,000	860,000	937,000	937,000

*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
 Standard
 Air Conditioner Standard
 Cab Glass Windshield, tinted laminated, 2,314 in.²
 Standard
 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
 Standard
 Keyless Entry Seat back angle adjustable. Cloth cover,
 high back
 Passenger Seat
 Seat Belts Driver & passenger, 3-point ELR type
 Rearview Mirrors West coast type, 5.4 x 15.5 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

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

OTHER OPTIONS

AM/FM stereo radio with CD
 Block heater
 Center console/ third seat
 Hi tensile frame rails (F & H wheelbases only)
 Rear wheel parking brake

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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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additional options and accessories, contact NISSAN DIESEL AMERICA, INC.

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