

# UD2300DH

2004 MODEL YEAR



Distributed by

Nissan Diesel America, Inc.

## WHEELBASES

	D	F	H	K	N
GVWR (lb.)	23,000	23,000	23,000	23,000	23,000
Chassis Weight (lb.)	7,735	7,805	7,870	7,945	8,145
Front (lb.)	4,915	4,940	5,005	5,070	5,160
Rear (lb.)	2,820	2,865	2,865	2,875	2,985
Gross Payload (lb.)*	15,265	15,195	15,130	15,055	14,855
Wheelbase (in.) ** WB	147.4	165.6	177.4	189.2	215.6
Cab-to-Rear Axle (in.) CA	111.0	129.1	140.9	152.8	179.1
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	16/18	18/20	20/22	24/26
Turning Radius (ft.)	22.0	24.3	25.9	27.2	30.8

\*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

	Nissan Diesel FE6TA - 24 Valve Turbo/Intercooled Diesel In-line 6 cylinder, Direct-injection
Horsepower	225 hp @ 2,600 rpm
Torque w/Manual Trans.	492 lb. ft. @ 1,600 rpm
Torque w/Auto. Trans.	470 lb. ft. @ 1,600 rpm
Displacement	423 in. <sup>3</sup> (6.9 L)
Cylinder Liner	Dry, replaceable
Air Compressor	10 CFM @ 2,500 engine rpm (1,250 compressor rpm)
Fuel Injection	BOSCH/ZEXEL, MD-TICS injection pump with all-speed governor
Air Cleaner	13 in., dry type
Cold Starting Aid	Automatic electric intake air heater
Fan	Viscous type drive

## FRONT AXLE

GAWR	7,715 lb.
Rated Axle Capacity	9,920 lb.
Axle Type	"I" Beam
Suspension	Semi-elliptic leaf springs
Shock Absorbers	Telescopic type



\*UD2300DH shown here with dealer installed optional equipment.

## TRANSMISSION

	STD	OPTION
	Nissan Diesel, MLS62B	Allison, LCT2400P
	Manual, 6 forward speeds & 1 reverse synchronesh on 2nd through 6th gears	Automatic 5 forward speeds & 1 reverse
<b>Ratios</b>		
1st	6.72	3.51
2nd	4.03	1.90
3rd	2.30	1.44
4th	1.44	1.00
5th	1.00	0.74
6th	0.74	—
Rev.	6.12	5.09
R/A Ratio	5.57 <sup>STD</sup>	5.57 <sup>STD</sup>
rpm @ 65 mph	2,420*	2,410*

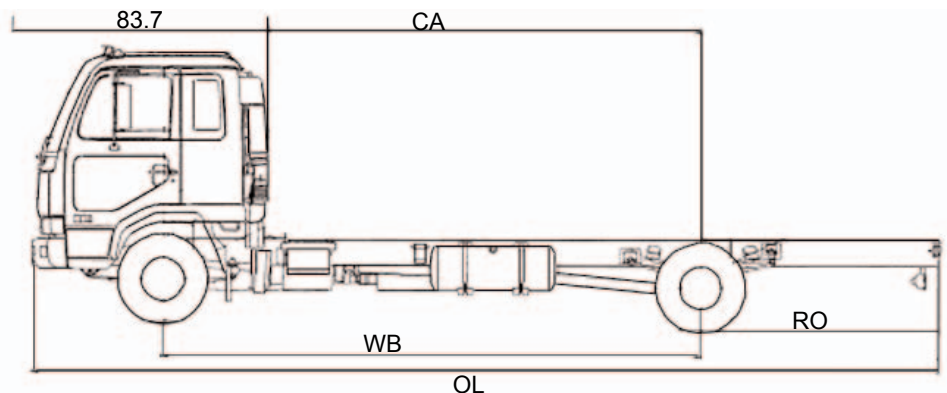
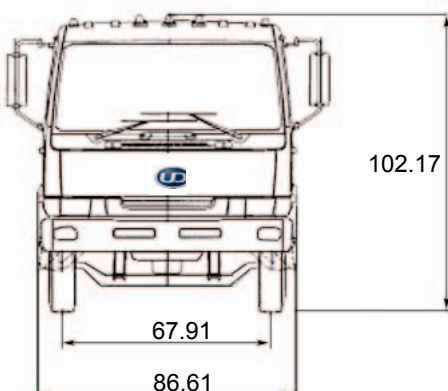
\*Approximate engine rpm only. Allison will provide a performance scan by application on request.

## 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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# TRUCKS

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## REAR AXLE

GAWR	16,535 lb.
Rated Axle Capacity	17,500 lb.
Axle Type	Full-floating banjo housing
Suspension	Semi-elliptic leaf springs with auxiliary springs

## WHEELS & TIRES

Tires	Front: Single, highway tread Rear: Dual, traction type 9R22.5 - 14PR (tubeless radial)
Wheels	Steel disc type, 8 hole, 6.75 x 22.5 in., offset 5.98 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: 14.57 x 3.94 x 0.51 in.
Rear	Internal expanding, dual two leading shoe, self-adjusting drum brakes Drum diameter x lining width x lining thickness: 14.57 x 5.31 x 0.51 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

Dimensions (in.) *	9.21 x 3.15 x 0.28
Assembled Width (in.)	33.9
Section Modulus (in. <sup>3</sup> ) **	20.2
Yield Strength (psi)	51,200
RBM (in.-lb.) chassis	1,034,000
per-rail	517,000

\*Height x Flange Width x Thickness

\*\*Measured at back-of-cab

## FUEL TANK

Round fuel tank, mounted to left side  
Capacity - 50 gallons

## CAB

Forward control, steel welded construction,  
tilting cab. Cab suspension with hydraulic  
shock absorbers

Cab Glass	Windshield, tinted laminated, 2,314 in. <sup>2</sup>
Door Locks	Driver & passenger, electric control
Door Vent Window	Driver, ventilating type
Driver's Seat	Height & seat back angle adjustable Cloth cover, high back type
Passenger Seat	Seat back angle adjustable Cloth cover, high back type
Seat Belts	Driver & passenger, 3-point ELR type
Rearview Mirrors	West coast type, 6.0 x 15.1 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

Halogen headlights, 2 lamps  
Back-up lights  
Cigar lighter  
Clearance, identification & position lights  
Day-time running lights  
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  
Air filter service light  
Air heater indicator light  
Alternator low charge warning light  
Cab lock warning light & buzzer  
Engine control system warning light  
Exhaust brake indicator light  
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  
Service brake warning light & buzzer  
Turn signal indicator lights  
Warning lights with burnt-out bulb  
check function  
Automatic Transmission:  
- Check warning light  
- Range inhibited warning light  
- High temperature fluid warning  
light & buzzer

## OTHER OPTIONS

Air conditioner  
AM/FM stereo radio with CD  
Block heater  
Center console/ third seat  
Driver's suspension seat  
Rear wheel parking brake

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