

# UD3300

2006 MODEL YEAR



Distributed by  
Nissan Diesel America, Inc.

WHEELBASES	E	H	K	M	R
GVWR (lb.)	32,900	32,900	32,900	32,900	32,900
Chassis Weight (lb.)	10,085	10,195	10,305	10,415	10,625
Front (lb.)	6,040	6,105	6,170	6,215	6,340
Rear (lb.)	4,045	4,090	4,135	4,200	4,285
Gross Payload (lb.)*	22,815	22,705	22,595	22,485	22,275
Wheelbase (in.) ** WB	156.3	177.2	192.9	208.7	238.2
Cab-to-Rear Axle (in.) CA	124.2	145.1	160.8	176.5	206.1
Rear Overhang (in.) RO	69.9	72.8	77.0	88.6	110.2
Overall Length (in.) OL	276.6	300.4	320.3	347.6	398.8
Typical Body Lengths (ft.)***	14/16	16/18	18/20	20/22	24/26
Turning Radius (ft.)	22.2	25.2	27.2	29.2	32.8

\*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.

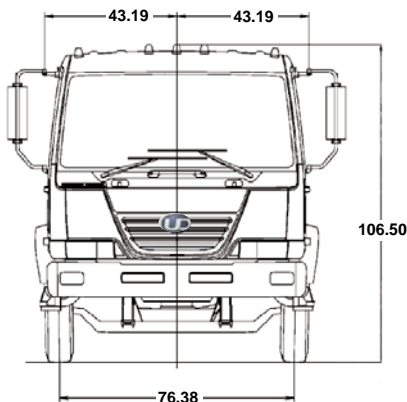
## ENGINE

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

Rated Axle Capacity	11,900 lb.
Axle Type	"I" Beam
Suspension	Semi-elliptic leaf springs
Shock Absorbers	Telescopic type



\*UD3300 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, LCT2500RDS\*\*  
Automatic  
5 forward  
speeds & 1  
reverse

### Ratios Ratios

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> -5.14 -5.86 <sup>STD</sup>	-5.14 <sup>STD</sup> -5.57
Engine rpm @ 65 mph	w/ 11R22.5 -2,250 -2,080 -2,365*	-2,070* -2,245*

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

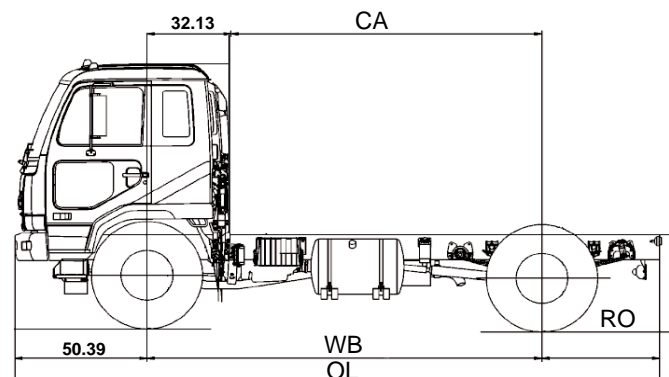
\*\* Available October 2005.

## 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

Rated Axle Capacity 21,000 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  
11R22.5 - 14PR (tubeless radial)  
Wheels Steel disc type, 8 hole,  
7.50 x 22.5 in., offset 6.38 in.

## BRAKE SYSTEM

Service Brakes Anti-lock Braking System  
"S" cam air brake system with automatic slack adjusters  
Front Drum diameter x lining width x lining thickness: 16.14 x 5.91 x 0.63 in.  
Rear Drum diameter x lining width x lining thickness: 16.14 x 8.66 x 0.63 in.  
Air Tanks Supply: 1,831 in.<sup>3</sup>  
Front service: 732 in.<sup>3</sup>  
Rear service: 1,086 in.<sup>3</sup>  
Total: 3,637 in.<sup>3</sup>  
Air Dryer Standard  
Parking Brake Pneumatically controlled spring brakes, operated by push/pull button, acting on rear wheels

## EXHAUST BRAKE

Electrically controlled, pneumatically activated butterfly valve in exhaust pipe

## CHASSIS FRAME

Ladder type, channel section side rails

Dimensions (in.)\* 9.84 x 3.15 x 0.31  
Assembled width 33.9 in.  
Section Modulus (in.<sup>3</sup>)\*\* 35.7 (with reinforcement)  
26.6 (W/B -E only, without reinforcement)  
Yield Strength (psi) 42,600  
RBM (in.-lb.) 1,521,000  
1,133,000 W/B -E

\*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 - 50 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.<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 with air suspension. Cloth cover, high back type  
Standard  
Keyless Entry Standard  
Passenger Seat Back angle adjustable. Cloth cover, high back  
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  
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 coolant level & overheating warning light & buzzer  
Low oil pressure warning light  
Sedimentor warning light  
Parking brake indicator light  
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

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Manufacturer:  
NISSAN DIESEL MOTOR CO., LTD.  
Saitama, Japan

Distributor:  
NISSAN DIESEL AMERICA, INC.  
P.O. Box 152034  
Irving, Texas 75015-2034  
www.udtrucks.com