

# UD1800CS

2004 MODEL YEAR



# TRUCKS

Distributed by

**Nissan Diesel America, Inc.**

## WHEELBASES

	D	E	G	H	K
GVWR (lb.)	17,995	17,995	17,995	17,995	17,995
Chassis Weight (lb.)	6,040	6,105	6,180	6,235	6,300
Front (lb.)	3,980	4,005	4,030	4,060	4,090
Rear (lb.)	2,060	2,100	2,150	2,175	2,210
Gross Payload (lb.)*	11,955	11,890	11,815	11,760	11,695
Wheelbase (in.)** WB	139.5	153.2	171.3	183.1	193.8
Cab-to-Rear Axle (in.) CA	113.7	127.5	145.6	157.4	168.1
Rear Overhang (in.) RO	59.9	63.8	72.1	78.0	85.0
Overall Length (in.) OL	239.4	257.1	283.5	301.2	318.9
Typical Body Lengths (ft.)***	14	16	18	20	22
Turning Radius (ft.)	19.3	21.2	23.3	24.9	26.2

\*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 FD46TA
	Turbo/Intercooled Diesel
	In-line 4 cylinder, Direct-injection
Horsepower	175 hp @ 2,800 rpm
Torque	334 lb. ft. @ 1,800 rpm
Displacement	282 in. <sup>3</sup> (4.6 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	11.0 in., dry type
Cold Starting Aid	Automatic electric intake air heater
Fan	Viscous type drive

## FRONT AXLE

GAWR	6,830 lb.
Rated Axle Capacity	6,830 lb.
Axle Type	"I" Beam
Suspension	Semi-elliptic leaf springs
Shock Absorbers	Telescopic type



\*UD1800CS shown here with dealer installed optional equipment.

## TRANSMISSION

	STD	OPTION
	Nissan Diesel, MHS61A	Aisin A45043L
	Manual, 6 forward	Automatic, full
	speeds & 1 reverse	electronic 4 speed
	synchronesh on 2nd	overdrive with lockup
	through 6th gears	& park lock
<b>Ratios</b>		
1st	6.31	3.02
2nd	3.91	1.55
3rd	2.26	1.00
4th	1.39	0.70
5th	1.00	—
6th	0.79	—
Rev.	5.87	2.68
R/A Ratio	5.29	5.71
rpm @ 65 mph		
w/215/75R17.5	3,080	2,970

## CLUTCH

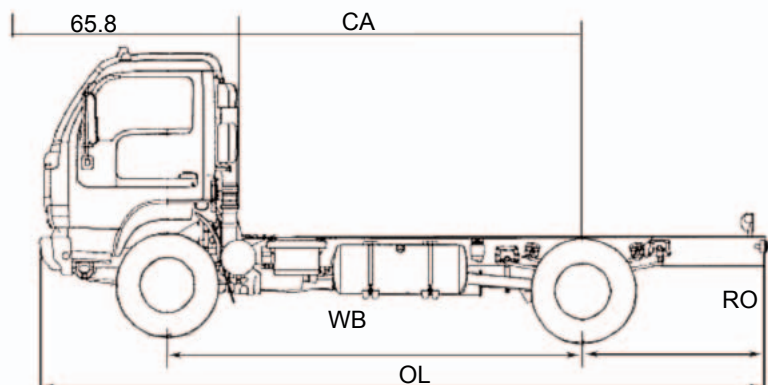
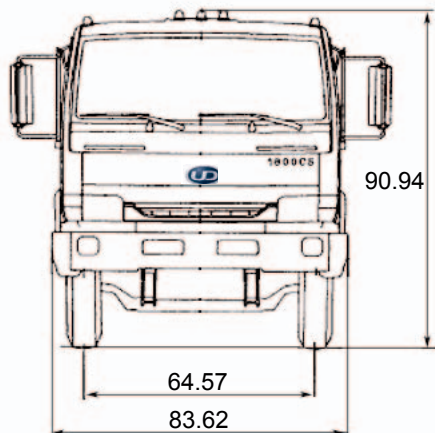
Hydraulic clutch with air assist  
12.8 in. cerametallic friction material  
Standard clutch wear indicator

## 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	14,330 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 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

	All Wheelbases	Hi Tensile Option E, G
Dimensions (in.) *	9.21 x 2.76 x 0.28	9.21 x 2.76 x 0.28
Assembled Width (in.)	31.1	31.1
Section Modulus (in. <sup>3</sup> ) **	19.6	19.6
Yield Strength (psi)	42,600	51,200
RBM (in.-lb.) chassis	835,000	1,004,000
per-rail	418,000	502,000

\*Height x Flange Width x Thickness

\*\*Measured at back-of-cab

## FUEL TANK

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

## CAB

Forward control, steel welded construction,  
tilting cab with cab suspension.

Assist Handles	Two, driver & passenger
Cab Glass	Windshield, tinted laminated, 1,900 in. <sup>2</sup>
Center Console	Standard
Center Seat	Folding with center console
Door Locks	Driver & passenger, electric control
Driver's Seat	Fore/aft & seat back angle adjustable cloth cover with headrest
Passenger Seat	Fixed with headrest
Seat Belts	Driver & passenger, 3-point ELR type, center seat with 2-point lap belt
Rearview Mirrors	West coast type
Steering Column	Tilt & telescopic type
Sun Visors	Driver & passenger
Windshield Wipers	Dual, electric-driven, intermittent & 2 speed
Windows	Driver & passenger, electric control

## ELECTRICAL EQUIPMENT

Halogen headlights, 2 lamps  
Back-up lights  
Cigar lighter  
Clearance, identification & side  
marker lights  
Day-time running lights  
Interior 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 heater indicator light  
Alternator low charge warning light  
Engine control system warning light  
Excessive brake shoe clearance &  
brake system malfunction warning  
light & buzzer  
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 warning light & buzzer  
Low oil pressure warning light  
Parking brake indicator light  
Turn signal indicator lights  
Warning lights with burnt-out bulb  
check function  
Automatic transmission:  
- Electric system warning light  
- High temperature fluid warning light  
- Overdrive cancel indicator light

## OTHER OPTIONS

Air conditioner  
AM/FM stereo radio with CD  
Block heater  
Hi tensile frame rails (E & G  
wheelbases only)

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