

UD1800CS

2008 MODEL YEAR



TRUCKS

Distributed by
Nissan Diesel America, Inc.

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, 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. 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

Dimensions (in.) *	9.21 x 2.76 x 0.28
Assembled Width (in.)	33.9
Section Modulus (in. ³) **	18.3
Yield Strength (psi)	51,200
RBM (in.-lb.)	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

Air Conditioner	Forward control, steel construction, tilting cab. Cab suspension w/ shock absorbers
Cab Glass	Standard
Cruise Control	Windshield, tinted laminated, 2,314 in. ²
Door Locks	Standard
Door Vent Window	Driver & passenger, electric control
Driver's Seat	Driver, ventilating type Height & seat back angle adjustable Cloth cover, high back type
Floormat	Standard
Passenger Seat	Keyless Entry Standard 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

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 - High temperature fluid warning light - Overdrive cancel indicator 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 brake fluid level warning light & buzzer Low coolant level warning light & buzzer Low oil pressure warning light Parking brake indicator light Sedimentor warning light Service brake warning light and 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
Driver's suspension seat
Heated mirrors
Rear tractor tires

All illustrations, specifications and descriptions in this specification are based on the
latest product information available at the time of this publication. The right is
reserved to make changes in price, materials, equipment, design, specifications, dia-
grams and models, and to discontinue models of equipment at any time, without
notice and without incurring any obligation whatsoever. For more information on
additional options and accessories, contact NISSAN DIESEL AMERICA, INC.

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WHEELBASES

	D	F	G	H	L
GVWR (lb.)	17,995	17,995	17,995	17,995	17,995
Chassis Weight (lb.)	6,500	6,570	6,625	6,690	6,810
Front (lb.)	4,375	4,400	4,430	4,455	4,495
Rear (lb.)	2,125	2,170	2,195	2,235	2,315
Gross Payload (lb.)*	11,495	11,425	11,370	11,305	11,185
Wheelbase (in.)** WB	142.52	160.63	172.44	184.25	196.85
Cab-to-Rear Axle (in.) CA	115.60	133.70	145.50	157.30	169.90
Rear Overhang (in.) RO	59.80	69.70	74.00	79.90	88.60
Overall Length (in.) OL	248.60	276.60	292.70	310.40	331.70
Typical Body Lengths (ft.)***	14	16	18	20	22
Turning Radius (ft.)	19.00	21.30	22.60	24.00	25.60

*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-175* 16 Valve
 Turbo/Intercooled Diesel
 In-line 4 cylinder, Direct-injection
 Horsepower 175 hp @ 2,500 rpm
 Torque 376 lb. ft. @ 1,600 rpm
 Displacement 289 in.³ (4.728 L)
 Cylinder Liner Dry, replaceable
 Air Compressor 14.1 CFM @ 3,000 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-175 (J05D-TA) is a vendor engine manufactured for Nissan Diesel Motor Company

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

TRANSMISSION

STD

Nissan Diesel, MHS62A
 Manual, 6 forward
 speeds & 1 reverse
 synchromesh on 2nd
 through 6th gears

OPTION

Aisin A45043L
 Automatic, full
 electronic 4 speed
 overdrive with lockup
 & park lock

Ratios

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	4.56 ^{STD}	4.88
Engine rpm @ 65 mph		
w/215/75R17.5	2,670	2,860
		2,990

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

