

UD1800CS

2007 MODEL YEAR



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, 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

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 Standard
Cab Glass	Windshield, tinted laminated, 2,314 in. ²
Cruise Control	Standard
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
Keyless Entry	Standard
Passenger Seat	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
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
- 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

OTHER OPTIONS

AM/FM stereo radio with CD
Block heater
Center console/third seat
Driver's suspension seat

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.)	6,415	6,480	6,535	6,600	6,725
Front (lb.)	4,310	4,330	4,365	4,385	4,430
Rear (lb.)	2,105	2,150	2,170	2,215	2,295
Gross Payload (lb.)*	11,580	11,515	11,460	11,395	11,270
Wheelbase (in.)** WB	142.5	160.6	172.4	184.3	196.9
Cab-to-Rear Axle (in.) CA	115.6	133.7	145.5	157.3	169.9
Rear Overhang (in.) RO	59.8	69.7	74.0	79.9	88.6
Overall Length (in.) OL	248.6	276.6	292.7	310.4	331.7
Typical Body Lengths (ft.)***	14	16	18	20	22
Turning Radius (ft.)	19.0	21.3	22.6	24.0	25.6

*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-175* 16 Valve Turbo/Intercooled Diesel In-line 4 cylinder, Direct-injection
Horsepower	175 hp @ 2,700 rpm
Torque	347 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	OPTION
	Nissan Diesel, MHS62A Manual, 6 forward speeds & 1 reverse synchromesh on 2nd through 6th gears	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

