

UD 1800CS vs. Isuzu NQR



DRY FREIGHT VANS, REFRIGERATION BODIES, CATERING, FURNITURE DELIVERY



UTILITY BODIES, CONSTRUCTION BODIES, DUMP BODIES, GLASS DELIVERY.....



UD TRUCKS are Distributed by NISSAN DIESEL AMERICA , Inc.
Nissan Diesel America Inc.—5930 West Campus Circle Drive, Irving, Texas 75063

Comparing the UD1800CS *to the* Isuzu NQR / GMC W5500

What makes the UD TRUCK by Nissan Diesel Motors different? *The high standard of quality, lasting durability, engineering technology and attention to manufacturing detail set this truck apart from all of the competitors. Impressive driving performance and a low cost per mile in maintenance will keep your UD TRUCK customers - your customers for many years to come.*

- **red font indicates UD TRUCK ADVANTAGE**

ENGINES

UD1800CS

Engine Model Nissan Diesel FD46TA

175 H.P. Diesel

Oil filtration - Dual element

2 oil filters offer double the filtering, keeping the *blood* of engine clean.

Cold Starting Aid –Electric intake air heater

Isuzu /GMC uses a glow plug system which is a high maintenance item that can lead to unscheduled downtime, UD's air preheater requires no maintenance and typically can last the life of the engine.

Oil Change Intervals –10,000 miles due to dual filtration

Cooling System Capacity-5.8 gallons

Radiator Frontal Area- 596.4"

Air Intake Snorkel-Mounted high on the driver side rear

Mounting the snorkel high and on the clean side of the hi-way provides the engine with cleaner and cooler air. Cooler air helps with fuel economy and clean air makes the engine last longer.

ISUZU NQR / GMC W5500

Engine Model Isuzu 4HE1-TC

175 H.P. Diesel

Oil filtration - Single element

Cold Starting Aid –Glow Plugs

Oil Change Intervals –6,500 miles

Cooling System Capacity-4.6 gallons

Radiator Frontal Area-506"

Air Intake Snorkel-Mounted low passenger side

CAB DESIGN

Power Door Locks and Windows– Standard Equipment

3 Man Seating

Overhead Storage Area

Cab Suspension System - Shock Absorber mounted cab.

UD's cab "floats" down the road by using double acting hydraulic shocks at the rear of the cab. This design allows for greater driving comfort but more importantly helps to prevent running gear vibration from compromising cab electrical integrity and helps keep cab welds intact.

Optional Equipment only

3 Man Seating

N / A

Cab Suspension System– none, rigid mount on rubber biscuit

AXLES AND SUSPENSION

G.V.W.R. 17,995 lb

Front Axle G.A.W.R.– 6,830 lb.

Front Axle Capacity - 6,830 lb.

Rear Axle G.A.W.R. - 13,000 lb.

Rear Axle Capacity - 14,330 lb.

* **Gross Payload** -11,695 to 11,995 lb.

G.V.W.R 17,950 lb.

Front Axle G.A.W.R. - 6,830 lb.

Front Axle Capacity - 6,830 lb.

Rear Axle G.A.W.R. - 12,980 lb.

Rear Axle Capacity - 14,550 lb.

* Gross Payload - 11,689 to 11,887 lb.

* see individual specification sheets for actual payloads

BRAKE SYSTEM

UD1800CS

Dual line, Air over Hydraulic

Self adjusting 4 wheel drum brakes

Brake wear inspection Ports

Anti-Lock Brakes

Treadle style brake pedal - quicker reaction time

Gear Driven air compressor - for brake system, also allows for auxiliary air needs (tires-etc.-light duty needs)

ISUZU NQR / GMC W5500

Vacuum over Hydraulic

Disc front and drum rear

N / A

Anti-Lock Brakes

Light duty style brake pedal

N / A

The braking system on the 1800CS is a true truck brake system . This is the same system used in the Medium Duty UD1800HD thru the UD2600. UD's all drum brake system uses an air assist system for greater stopping power. Drum brakes offer increased brake life, as much as double or more than the disc brake. ISUZU / GMC uses a vacuum over hydraulic brake system, the same type of system used in the Isuzu *light duty* trucks. UD's Brakes offer medium duty truck stopping power and longer brake life, saving customers money in repair and downtime. **This money saving design alone can justify any cost differences between the two trucks.**

TRANSMISSION

Automatic, Aisin A45043L, 4 speed overdrive

Nissan Diesel manual 6 speed with overdrive

12.8" Cerametallic clutch, hydraulic

Air Assist Clutch – allows easier clutch operation
- helps increase life and reduces downtime

Clutch Wear Indicator-eliminates guess work, prevents unexpected downtime

Automatic, Aisin A45043L, 4 speed overdrive

6-speed manual with overdrive

12.8" Cerametallic clutch, hydraulic

N / A

N / A

CHASSIS FRAME

5 Wheelbases available, bodies up to 22' in length

Section Modulus (in.3) = 19.6

Resistance To Bending Moment (in. lb.) = 418,000 per rail

High Tensile Frame Option, RBM 502,000 per rail

4 Wheelbases available, up to 20' in length

Section Modulus (in.3) = 7.2

RBM (in. lb.) = 316,800 per rail

N / A

TIRES

215 / 75R17.5-14 PLY

-14 PLY tires are rated for heavier load capacity

225 / 70R-19.5F 12 PLY

WARRANTIES

The Base Vehicle is for 2 years, the Engine and Automatic Transmission are covered for 3 years, all with unlimited mileage. Offered by both manufactures. See warranty sheet for details.

In addition to the standard factory warranty, UD TRUCKS does show its commitment to quality by offering an extended protection plan that covers the engine, transmission, front axle assembly, differential, frame side rails and cross members for 60 months and up to 200,000 miles. **UD's Extended protection plan is offered for 50,000 more miles than the Isuzu plan of a maximum of 150,000 miles.**

QUICK REVIEW

UD TRUCKS have a **3 Year / unlimited mileage engine and automatic transmission warranty and a 2 year/ unlimited mileage chassis warranty**

UD TRUCKS come with **10,000 mile oil change intervals** thru the use of dual oil filters. Compare the savings to the Isuzu / GMC at 6,500 mile intervals.

UD TRUCKS use medium duty truck type **air over hydraulic self adjusting drum brakes**. This system offers greater stopping power, longer brake life and increased uptime. Isuzu / GMC uses the light duty truck brake system in the NQR / W5500.

UD TRUCKS use modern technology with it's non maintenance **air pre-heater** rather than the Isuzu / GMC maintenance type glow plugs.

UD TRUCKS feature a **heavier medium duty frame** than the lighter duty frame offered on the Isuzu NQR / GMC W5500.

UD TRUCKS use a **cab suspension system**, a feature found only in class 8 trucks, to help keep the cab welds and cab electrical integrity intact. Isuzu still uses a rubber bushing to isolate the cab from the road bumps and jolts.

UD TRUCKS are standard equipped with **power door locks** and **windows**. This is an option with the Isuzu / GMC.

UD TRUCKS offers an **Extended Protection Plan** that covers the truck for **60 months and 200,000 miles**. Isuzu only offers up to 150,000 miles. **UD TRUCKS** has the confidence to stand behind its product 50,000 miles greater than Isuzu.