

CW400EE

6x4

GVM: 26000 kg

GCM: 55000 kg



ENGINE

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Nissan Diesel:

PF6TC

Six cylinder in line, four stroke direct injection, turbocharged, intercooled, with VNT electronic management system.

Displacement:

12,503 cc

Bore and stroke:

133 mm x 150 mm.

Maximum output:

390 hp (287kW) at 2100rpm.

Maximum torque:

1668 Nm (1227 lb ft) at 1200 rpm.

No load max rpm:

2300

Compression ratio:

16.5:1

Oil sump capacity:

29 litres.

Oil filtration by:

Full flow and bypass paper elements.

Air Cleaner:

Replaceable paper element.

Standard Air intake:

Snorkel type at rear of cab.

Engine Brake:

EE Brake: Exhaust butterfly type plus engine compression brake.

EXHAUST SYSTEM

Mounting:

Underfloor.

ENGINE COOLING SYSTEM

Radiator:

Corrugated fin type.

Pump:

Centrifugal.

Expansion Tank:

Expansion type fitted with side window level gauge.

Temperature control:

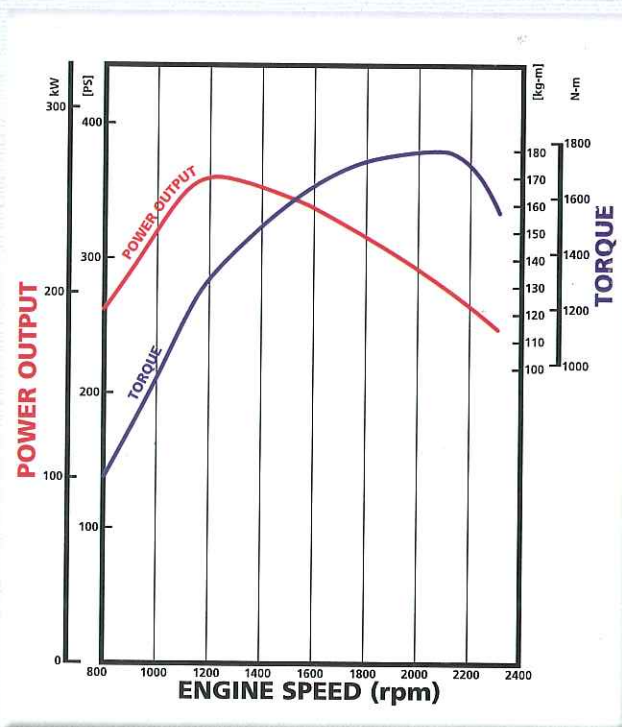
Wax pellet type thermostat.

Lubricating oil:

Oil cooler fitted.

Fan:

Mounted on viscous hub.



DRIVELINE

CLUTCH

Make:

Nissan Diesel CL420.

Type:

Twin plate.

Clutch diameter:

380mm (15 inch).

Lining Area:

682cm² x4

Clutch operation:

Booster assisted.

REAR AXLE

Nissan Diesel Type:

RW1A-2

Factory rated At:

10,500kg each.

DIFFERENTIAL

Single reduction

Standard Ratio:

3.727:1

Optional Ratio:

4.111:1

PROPELLER SHAFT

Model:

Nissan Diesel PS580.

Inter Axle:

Nissan Diesel PS430.

GEARBOX

Fuller RT14915

GEAR RATIOS

Deep Reduction:

1st: 15.399, 2nd: 11.798, 3rd: 9.114, 4th: 7.022, 5th: 5.516

Low Range:

1st: 9.964, 2nd: 7.634, 3rd: 5.897, 4th: 4.544, 5th: 3.570

High Range:

6th: 2.79, 7th: 2.137, 8th: 1.651, 9th: 1.272, 10th: 1.00

Reverse:

Deep: 15.205 Low: 9.838 High: 2.755

ELECTRICAL & FUEL

ELECTRICAL EQUIPMENT

System:	24 volt negative earth.
Batteries:	2 x 12 V 120 Amp-hour.
Starter Motor:	24V 6kW(reduction type).
Alternator:	24V 40Amp.
Driving Lights:	Single quartz-halogen incorporating dip & beam.
Fog Lights:	Yellow.

FUEL SYSTEM

Fuel tank capacity:	400 litres.
Injector pump:	Zexel HD-TICS type.
Injectors:	2 stage, multi hole nozzle, flange type.
Governor:	RED-III.

CHASSIS

CHASSIS

Type:	Ladder channel section side rails.
Dimension:	300 x 90 x 8mm.
Material:	55 kg/mm ² tensile steel.

SUSPENSION

Front:	9 Leaf spring 90mm and 1550mm long.
Spring Constant:	32kg/mm per spring.
Rear Spring:	9 Leaf spring 90mm wide and spans 1300mm.
Spring Constant:	269.3 kg/mm per spring.
Shock Absorbers:	Fitted to front axle.

BRAKES

All vehicles comply with NZHVBC.

Service:	Dual line full air brakes using asymmetric "S" cams.
Parking:	Spring brakes fitted to rear axle.
Lining Dimensions:	
Front:	Width 150mm, length 207mm, area 310cm ² /wheel.
Rear:	Width 220 mm, length 207 mm, area 456cm ² /wheel.
Total Lining Area:	9784cm ²
Auxiliary Brakes :	Exhaust, engine compression retarder.

FRONT AXLE

Model:	Nissan Diesel FA50-7.
Type:	Drop forged "I" beam.
Rating:	6500 kg (each).

STEERING

Type:	Integral power assisted recirculating ball steering box.
Reduction Ratio:	22.76:1
Steering Wheel:	480mm Diameter moulded polyurethane grip.
Steering Column:	Tilts 8 degrees fore/aft and telescopes 60mm. Lockable.
Turning Circle Dia:	4260mm wheelbase 14.25 metres. 5265 mm wheelbase 17.6 metres.

ROAD WHEELS

Pressed steel disc wheels 13 mm thick 8.25 x 22.5 ISO 335mm PCD 10 stud with 165mm offset.

TYRES

Bridgestone 11R22.5 steel belted radials to M840 pattern.
FOC option Bridgestone 275/70R 22.5 or 255/70R 22.5 low profiles.

CAB

INTERIOR

Drivers seat:	Cloth trimmed Isringhausen air suspension seat with adjustments for height, recline, fore/aft, suspension stiffness and lumbar support.
Passengers seat:	One cloth trimmed fixed seat with recline and headrest adjustment.
Storage:	2 Overhead trays, glove box, centre console, coin tray, drawer under passenger seat.
Heater:	Push button electric control with 4 speed fan. Heater system incorporates 25 vents.
Ventilation:	Quarter windows in both doors and through heater system.
Control Switches:	Two stalk controls which incorporate: (a) Turn signal switch, lighting switch (b) Wiper/washer switch, exhaust/engine brake switch, hazard warning switch.
Windscreen wipers:	Three arm dual speed with variable intermittent operation.
Windscreen washers:	Tank capacity 4 litres, two twin nozzle jets.
Sun visor:	Driver and passenger.
Ash Tray:	Both doors and centre of dash.
Floor Covering:	Vinyl.
Electric Windows	
Central Locking	
Security Alarm	
Audio System:	Alpine Radio/CD player.

GAUGES

Instrument Gauges:	Fuel, water temperature, oil pressure, voltage, dual air pressure, tachometer, speedometer, trip recorder.
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WARNING DEVICES

Warning Lamps for:	Induction heater, exhaust brake, high beam, direction indicators, park brake, low air pressure, low water, alternator charging, low oil pressure, inter axle diff lock, low clutch fluid.
Warning lamps have a separate breakage check system.	
Audible Warning Devices include:	Reversing buzzer, low water, low air, over revving, cab tilt.

EXTERIOR

Type:	Steel construction suspended forward control.
Mounting:	4 Coil spring assemblies incorporating shock absorbers.
Tilting:	Electric.
Windscreen:	Laminated bronze tinted glass.
Front Panel:	Hinged for easy checking of engine oil, clutch oil and air conditioner gas.
Mirrors:	Flat western type.
Under bumper air dam	
Side deflectors	
Head lamp covers	

OPTIONAL EXTRAS

Air conditioning
Over cab air intake

Cab roof deflector
Alternative tyres

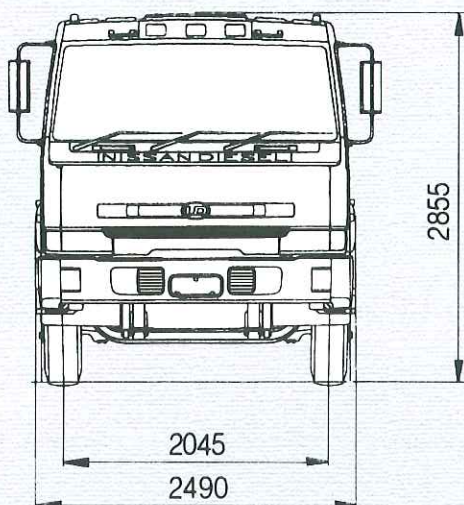
Short wheel base models only:
Rear engine PTO

THIS SPECIFICATION SHEET APPLIES TO VEHICLES SUPPLIED BY NISSAN DIESEL NEW ZEALAND LTD FOR THE NEW ZEALAND MARKET FROM JANUARY 2000.



In accordance with Nissan Diesel Motor Co Ltd policy of continuous improvement, the right is reserved to change specifications without notice.

DIMENSIONS & PERFORMANCE



THEORETICAL PERFORMANCE

Ratio:	3.727	4.111
Max Speed:	119kph	107kph
Gradeability:	calculated in first gear on paved road with a GCW of 44,000 kg	
sine:	0.3724 : 0.4124	
angle:	21° 52' : 24° 22'	

CAB & CHASSIS WEIGHTS KG:

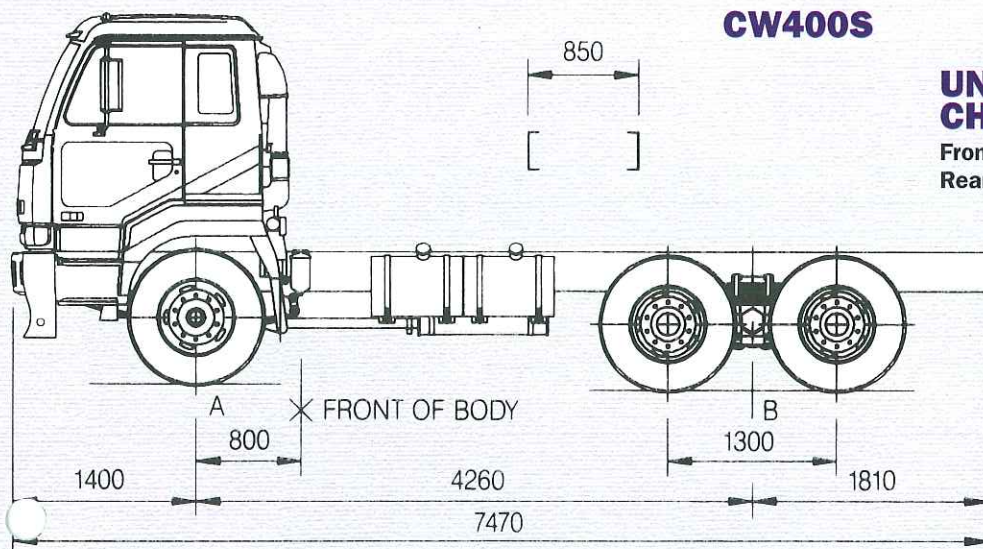
MODEL	FRONT	REAR	TOTAL
CW400S	4103	3900	8003
CW400L	3873	4360	8233

- IMPORTANT NOTICE: Weights obtained by weighing a vehicle on a NZ Govt. certified weighbridge with 400 litres of fuel, spare tyre, full tool kit and all fluids filled to correct operating levels. Please note that weights may vary slightly from unit to unit.

CW400S

UNLADEN CHASSIS HEIGHTS

Front axle "A": 1028 mm
Rear axis "B": 1095 mm



CW400L

