

# CW385S

## EURO 3



**6x4**

**GVM: 26000 kg**

**GCM: 55000 kg**

### Engine

<b>Nissan Diesel:</b>	GE13TB
<b>Type:</b>	Six cylinder in line, 4 valves per cylinder, overhead camshaft, four stroke direct injection, turbocharged and intercooled.
<b>Displacement:</b>	13074 cc.
<b>Bore and stroke:</b>	136 mm x 150 mm.
<b>Maximum output ISO:</b>	385 PS (283 kW) at 1800 rpm. (nett)
<b>Maximum torque ISO:</b>	1715 Nm (1265 lb ft) at 1100 rpm. (nett)
<b>On load max rpm:</b>	2000
<b>Compression ratio:</b>	17.5:1
<b>Oil capacity:</b>	36 litres.
<b>Lubrication system:</b>	Forced feed by geared pump with full flow paper element filter and chassis mounted by-pass filter.
<b>Air cleaner:</b>	Replaceable paper element, Donaldson FTG dry type 381 mm (15 inch).
<b>Air intake:</b>	Snorkel and over cab type at rear of cab.

### Exhaust System

<b>Mounting:</b>	Vertical outlet type.
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### Clutch

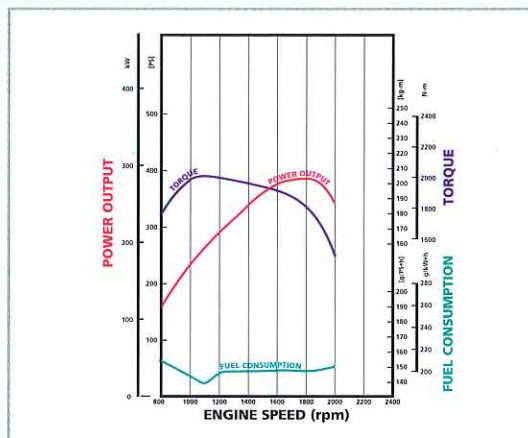
<b>Make:</b>	Nissan Diesel CLB10HPX.
<b>Type:</b>	Dry twin plate pull type. Hydraulically operated release system with air assisted booster.
<b>Clutch diameter:</b>	400 mm (15.75 inch).
<b>Lining details:</b>	400 mm (O.D.) x 250 mm (I.D.) x 4.5 mm (thick), non-asbestos lining material.
<b>Total lining area:</b>	765.8 cm <sup>2</sup> x 4 (faces) / twin disc = 3063 cm <sup>2</sup> .

### Rear Axle

<b>Model:</b>	Nissan Diesel RW1A.
<b>Type:</b>	Fully floating in-line tandem with power divider and power divider lock.
<b>Factory rated at:</b>	10500 kg each.

### Differential

<b>Model:</b>	Nissan Diesel IPHM-3 (rear / front), SRHM-2 (rear / rear).
<b>Type:</b>	Single reduction hypoid.
<b>Standard Ratio:</b>	4.333:1
<b>Optional Ratio:</b>	4.625:1



### Engine Cooling System

<b>Radiator:</b>	Corrugated fin type.
<b>Water pump:</b>	Centrifugal.
<b>Header tank:</b>	Expansion type fitted with side window level gauge.
<b>Temperature control:</b>	Dual wax pellet type thermostat.
<b>Lubricating oil:</b>	Oil cooler fitted.
<b>Fan:</b>	Ø720 mm, 9 blade mounted on viscous hub.

### Propeller Shaft

<b>Model:</b>	NAJICO SPICER (GWB) C2060.
<b>Inter Axle:</b>	Nissan Diesel PS430.

### Gearbox

<b>Model:</b>	Eaton Fuller, RTLO 16918B.
<b>Type:</b>	Eighteen speeds and four reverses.
<b>Gearshift:</b>	Mechanical remote control.

### Gear Ratios

Low Range			High Range		
Gear	L	H	Gear	L	H
low	14.40	12.29	5th	2.29	1.95
1st	8.56	7.30	6th	1.62	1.38
2nd	6.05	5.16	7th	1.17	1.00
3rd	4.38	3.74	8th	0.86	0.73
4th	3.20	2.73	Rev	4.03	3.43
Rev	15.06	12.85			



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## Chassis

Type:	Ladder channel section side rails.
Dimension:	300 x 90 x 7 mm.
Material:	55 kg / mm <sup>2</sup> tensile steel.

## Suspension

Front:	Semi-elliptic 4-taper leaf springs, 90 x 1550 mm.
Spring constant:	40.8 kg / mm per spring.
Rear:	Trunnion mounted semi-elliptic 8-leaf springs with 6 torque rods, 90 x 1300 mm.
Spring constant:	272.6 kg / mm per spring.
Shock absorbers:	Double acting type, fitted to front axle.

## Steering

Type:	Integral recirculating ball screw type with hydraulic power assistance.
Reduction ratio:	22.42:1
Steering wheel:	460 mm diameter moulded polyurethane grip.
Steering column:	Tilts 9.5° fore / aft, telescopes 75 mm and lockable.

## Electrical Equipment

System:	24 volt negative earth.
Batteries:	2 x 12 volt 115F51S (NS120S).
Starter Motor:	7.0 kW.
Alternator:	60 amp with built-in IC regulator.

## Exterior

Type:	Steel construction suspended forward control.
Cab suspension:	Full air suspension with telescopic shock absorbers.
Tilting:	Tilted electrically-driven with hydraulic assistance.
Windshield:	Laminated green tinted safety glass.
Windshield wiper:	Three arms, dual speed with intermittent operation.
Windshield washers:	Tank capacity 4 litres, two twin nozzle jets.
Side and rear windows:	Tinted safety glass.
Door vent window:	Driver and passenger side, ventilating type.
Side view door window:	Passenger side.
Cab front lid:	Hinged for easy checking of engine oil, clutch oil and air conditioner gas.
Mirrors:	Flat western type.
Under bumper air dam	
Side deflectors	

## Interior

Drivers seat:	Cloth trimmed high-back, pan type and Isringhausen air suspended seat with adjustments for height, recline, fore / aft, and lumbar support. 3 point ELR lap sash seatbelts.
Passengers seat:	One cloth trimmed and high-back type fixed seat with recline. 3 point ELR lap sash seatbelts.
Storage:	2 overhead trays, centre console, hot & cool box.
Sun visors:	Driver and passenger side.
Room lamp and fluorescent lamp:	
Ash tray:	In both doors
Finish:	Woodgrain.
Floor covering:	Vinyl.
Sleeping compartment:	Mattress and curtains.

## Gauges

Instrument Gauges:	Fuel, water temperature, dual air pressure, tachometer, speedometer with odometer and trip meter.
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## Front Axle

Model:	Nissan Diesel FF85.
Type:	Drop forged reverse Elliot "I" beam.
Factory rated at:	8500 kg (each).

## Brakes

Service:	Dual circuit air wedge type with oil mist separator and air dryer, EBS / Electronically controlled Brake System including function of ABS & ASR.
Air compressor:	Water cooled head, bore 85 mm x stroke 60 mm x 2 cylinders. Displacement 680.9 cc.
Drum dimensions:	
Front:	410 mm x 180 mm.
Rear:	410 mm x 220 mm.
Total lining area:	10282cm <sup>2</sup> .
Parking brakes:	Spring brakes fitted to drive axles.
Auxiliary brakes :	EE Brake (engine decompression brake) plus exhaust brake (butterfly type).

## Road Wheels

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

## Tyres

Bridgestone 11R22.5-16PR tubeless radials with M840 tread pattern.

## Fuel System

Fuel tank capacity:	385 litres, alloy.
Fuel system:	Electronically controlled unit injector.
Fuel filter:	Replaceable paper element / spin-on cartridge and chassis mounted element type strainer with water trap.

## Warning Devices

Warning lamps:	Low air pressure, parking brake / spring brake, hazard, coolant level and overheating, oil filter element, oil pressure, battery charge, engine control, ABS, EBS, trailer ABS, ASR. (Warning lamps have a separate breakage check system).
Indicator lamps:	Turn signal, EE brake and exhaust brake, air heater, high beam, non-trailer ABS, cruise control set and on, third differential lock.

**Audible Warning Devices include:** Low air pressure, coolant level and overheating, reversing, engine overrun, EBS.

## Standard equipment

Control switches:	Fog light:
Two stalk controls which incorporate:	White.
1. Turn signal, lighting.	Hazard / Turn signal / Clearance lamps.
2. Wiper / washer, exhaust / engine brake, hazard warning.	Stop / Tail lamps.
Cruise control:	Reversing lamp.
With 100 km / h speed limiter.	Roof marker lamps.
Air conditioner / Heater demister:	License plate lamp.
Full auto type, 4 mode operation with 4 speed fan.	Cigar lighter.
Engine idling control button.	Air horn.
Electric windows.	Foot rest.
Central locking:	Spare tyre:
With keyless entry remote control.	Equipped tyre carrier.
AM / FM Radio with CD player.	Tool kit.
Illumination control:	
For instrument cluster and other illuminations.	
Halogen head lamps.	



THIS SPECIFICATION SHEET APPLIES TO VEHICLES SUPPLIED BY UD TRUCK DISTRIBUTORS (NZ) LTD FOR THE NEW ZEALAND MARKET FROM OCTOBER 2002.

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



## Theoretical Performance

Based on 11R22.5 tyres

Ratio:	4.333	4.625
Max speed:	121kph	113kph
Gradeability:	Calculated in low / low gear on paved road with a GCW of 55000kg.	
tan:	0.36368	0.39265

## Cab & Chassis Weights Kg:

### Condition 1\*

MODEL	FRONT	REAR	TOTAL
CW385S	4330	3570	7930

\*With 20 litres of fuel, no spare wheel or tools.

### Condition 2\*

MODEL	FRONT	REAR	TOTAL
CW385S	4520	3700	8270

\*With 400 litres of fuel, no spare wheel or tools.

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.

