

PK9

9 Speed

GVM 16,000kg* GCM 20,500kg^{STD} GCM 32,000kg^{OPT**}



Specifications

ENGINE

Model: J08 -TB - a vander engine manufactured for Nissan Diesel
6 cylinder 4 valves per cylinder, 4 cycle, direct injection, water cooled, in-line diesel engine, Variable nozzle turbocharger with intercooler

Number of cylinders: 6 cylinders

Bore x stroke: 112mm x 130mm

Total piston displacement: 7,684 cc

Max. output (ISO Net): 190 kw (258 PS) at 2,500 rpm

Max. torque (ISO Net): 794 N.m (81 kgm) at 1,500 rpm

Max. governed speed: 2,550 rpm

Compression ratio: 18:1

Auxiliary brake: Pneumatically operated Exhaust brake

Lubrication System:

Forced feed by gear pump, Flat tube type oil cooler, Full flow and by-pass oil filter with replaceable element, 11 litre capacity

Air compressor:

Water cooled reciprocating type, single cylinder, dryer and oil mist separator

Cooling System:

Forced feed by centrifugal water pump, wax pellet type thermostats incorporated with a by-pass, aluminium corrugate fin type radiator with reserve tank and viscous coupling driven 620mm 8 blade cooling fan.

FUEL AND INTAKE SYSTEM

High pressure electronically controlled common rail fuel injection system

Replaceable primary and secondary fuel filters

200lt capacity steel fuel tank with lockable cap (LHS)

Dry paper element air cleaner

High mounted RHS air intake snorkel

EXHAUST AND EMISSION CONTROL SYSTEM

Emission standard - ADR 80/02

Electronic controlled, selective, cooled EGR

Under chassis mounted RHS muffler / catalytic converter with horizontal rear facing exhaust discharge under truck

ELECTRICAL

24 volt, negative ground system

2 x 12 volt 120 Ah batteries mounted on LHS frame

24 volt - 60 amp. with built-in IC regulator

CLUTCH

Dry single plate, organic, hydraulically operated clutch release mechanism with air servo assistance

Diameter of clutch disc: 380 mm

TRANSMISSION

Make and model: Eaton FS-6109A

Nine(9) forward synchromesh gears. One(1) Non-synchro constantmesh reverse gear. Mechanical remote control operated shift

Gear ratios:	Gear	Ratio	Gear	Ratio	Gear	Ratio
	1st	12.64	4th	4.77	7th	1.85
	2nd	8.81	5th	3.55	8th	1.34
	3rd	6.55	6th	2.48	9th	1.00
					Rev	13.21

Transmission PTO openings: 2 LHS and 1 rear openings

BRAKES

Full air brake, dual air line system, internal expanding leading and trailing shoe type (S-cam) with 4 channel Wabco ABS.

Air pressure: 7.2 - 8.5 kg/cm²

	Front	Rear	Total
Drum diameter:	410 mm	410 mm	
Lining area:	2,480 cm ²	3,648 cm ²	6,128 cm ²

Hand operated pneumatically controlled spring park brake acting on drive axle.

STEERING

Recirculating ball screw type steering box with hydraulic power assist
Adjustable, tilt and telescopic type column with steering lock and 460mm wheel

Variable steering gear ratio: Between 18.8 : 1 and 16.1 : 1

WHEELS AND TYRES

Number and size of tyre: Front - single 11 R 22.5 - 16PR 148/145L
Rear - dual 11 R 22.5 - 16PR 148/145L

Pressed steel disc wheel, 1 piece rim, 8.25 x 22.5, offset 165 mm, ISO 10 stud
One spare wheel and tyre mounted on carrier (STC) at the rear of chassis

AXLES

FRONT NISSAN DIESEL FA50

Drop forged steel "I" section beam, reverse "ELLIOT" type

Front axle capacity: 6,500 kg *Refer to Load Rating summary for max permissible load

REAR NISSAN DIESEL RS1A

Fully floating pressed steel banjo type housing, single drive type

Final reduction gear: Single reduction, hypoid gear

Final reduction gear ratio: 3.727

Rear axle capacity: 11,500 kg *Refer to Load Rating summary for max permissible load

SUSPENSION

FRONT

Multi leaf spring with anchor at front and shackle at rear

Width x length: 80 x 1,400 mm

The number of leaves: 9

Spring constant: 294 N/mm (29.9 kg/mm) - 6500kg capacity

Shock absorbers: Telescopic double acting

REAR

Semi-elliptic leaf spring and helper with anchor at front and shackle rear

Width x length: Main: 80 x 1600mm, Helper: 80 x 1100mm

The number of leaves: Main: 9 Helper: 8

Spring constant (Total): 1102 N/mm (112.5 kg/mm)

LOAD CAPACITY SUMMARY

	Front (kg)	Rear(kg)
Axle capacity	6500	11500
Steering / Suspension Capacity	6000	9500
Tyre capacity	6300	11600
Max capacity (limit kg)*	6000	9500

Note: Based on 11R 22.5 front and rear tyres and standard springs

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CAB

Forward control, spring suspended cab with shock absorbers
Torsion bar cab tilt system
Front opening inspection bonnet
Air dam front bumper

Standard Equipment

Overhead console with driver and passenger sunvisors
24v Cigarette lighter / power supply with 2 ash trays
Large On/Off/Door interior light
Triple arm, 2-spd wipers with intermittent operation and windscreen washers
LH and RH split mirrors (Flat / Spot)
LH down spot mirror
Electric horn, reverse warning light and alarm
3 occupant seats - 2 outer seats with retractable seat belts and a flat folding centre seat with adjustable lap belt
Multi adjustable air suspended driver's seat
ADR42/04 compliant sleeper bunk with mattress (Stationary sleeping only)
Sleeper cab curtain rails with curtains
Power operated driver and passenger windows
Remote operated keyless central locking
Multi speed air conditioning
AM/FM radio with CD player
Cruise control - Stalk mounted
Halogen multi reflector headlamps
Front bumper mounted (ADR49/00) integrated driving lights
Roof mounted clearance lights (ADR49/00)
2 centre dashmounted cup holders
3 DIN sized compartments for accessory fitment

FRAME

Ladder, Channel type chassis construction
Width: 860mm
Height x width x thickness: 250 x 80 x 8 mm
Material: Pressed carbon steel
Tensile 45kg/mm² *Yield* 30kg/mm² *Modulus* Refer Body Manual

INSTRUMENTS

Dash design integrates an array of instruments, warning / informational lights and audible tones

FACTORY OPTIONAL EQUIPMENT (Indent order only)

Paint colours
Taper leaf front springs 294N / mm (29.9 kg/mm) - 6000kg Capacity
Front stabilizer bar
200lt chassis mounted (LH) aux fuel tank with lockable fuel cap - N and R wheelbase only
Large centre console (Replaces centre seat)
Electronic engine governor control
Electronic transmission PTO control
Rear Engine PTO (225Nm @ 100% engine speed continuous operation) - Dealer fit Option
Rear Engine PTO (343Nm @ 72% engine speed continuous operation) - Dealer fit Option
32,000kg GCM requires trailer brake proportioning valve - Dealer fit Option

PERFORMANCE (Calculated)

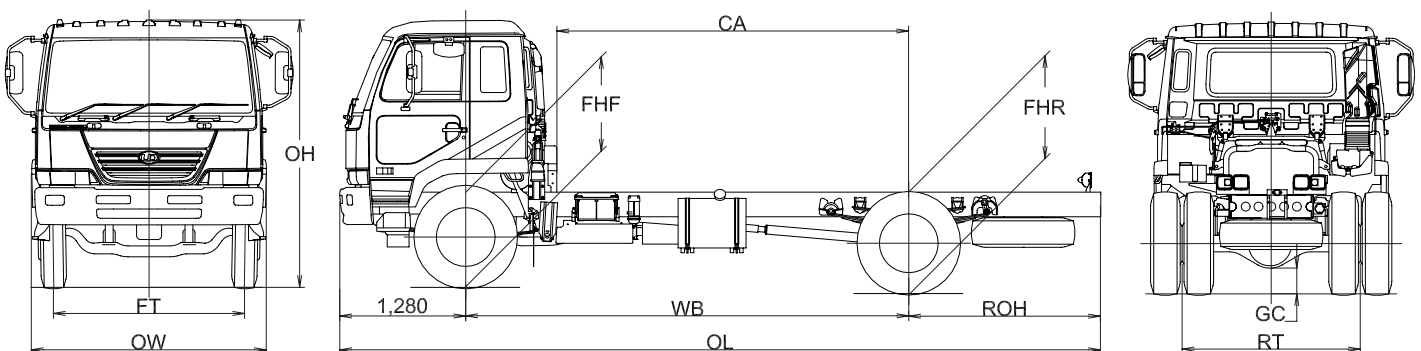
3.727 diff ratio with 11R 22.5 tyres
Max. speed: 100km/h (Speed limited - ADR65/00)
Gradeability 1st gear (Calculated): 42.19% @ 16,000kg
Gradeability 9th gear (Calculated): 2.4% @ 16,000kg
Est. RPM @ 100km/h: 1957rpm

GENERAL SPECIFICATIONS (approx.)

Wheel Base	Weight (kg)				
	GVM*	GCM	FA ¹	RA ¹	Total Tare ¹
H	16000	20500	2850	1970	4775
N	16000	20500	2865	2060	4925
R	16000	20500	2895	2120	5015

Dimensions (mm)												
WB	OL	OW	OH ²	FT	RT	ROH	CA	GC ²	FHF ²	FHR ²	Turn Radius Kerb to Kerb	
4500	7730	2450	2720	1935	1810	1950	3575	265	967	1060	7700	
5650	9530	2450	2720	1935	1810	2600	4725	265	967	1060	9500	
6050	10130	2450	2720	1935	1810	2800	5125	265	967	1060	10100	

¹Weight estimated including fluids (not fuel) and STC and spare wheel, excludes tools and driver.² Based on vehicle with standard 11R 22.5 front and rear tyres.



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*Rated GVM and axle capacities are subject to federal, state and Territory legal requirements.

** OPT higher GCM requires trailer brake proportioning valve to be fitted as per UDTA Service Bulletin 08-08.

