

# PK9

6 Speed

GVM 16,000kg\* GCM 20,500kg<sup>STD</sup> GCM 26,000kg<sup>OPT\*\*</sup>



## 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 side  
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:** Nissan Diesel MPS63B

Six forward speeds and one reverse, synchro mesh 2nd to 6th gears. Non-synchro 1st and reverse. Mechanical remote control operated shift with air servo assist

Gear ratios:	Gear	Ratio	Gear	Ratio
	1st	7.03	4th	1.50
	2nd	4.28	5th	1.00
	3rd	2.49	6th	0.78
			Rev	7.038

**Transmission PTO opening:** LHS

**PTO drive gear rating:** 300Nm @ 100% engine speed (nominal ratio)

### 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/cm<sup>2</sup>

	Front	Rear	Total
<b>Drum diameter:</b>	410 mm	410 mm	
<b>Lining area:</b>	2,480 cm <sup>2</sup>	3,648 cm <sup>2</sup>	6,128 cm <sup>2</sup>

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:** 6,500kg \*Refer to Load Capacity 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:** 5.143 (11R 22.5 Rear tyres)

**Rear axle capacity:** 11,500kg \*Refer to Load Capacity 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)
<b>Axle capacity</b>	6500	11500
<b>Steering / Suspension Capacity</b>	6000	9500
<b>Tyre capacity</b>	6300	11600
<b>Max capacity (limit kg)*</b>	6000	9500

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

# PK9 6 Speed

## 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	Yield	Modulus
45kg/mm <sup>2</sup>	30kg/mm <sup>2</sup>	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 (LHS) aux fuel tank with lockable fuel cap - N and R wheel base only

Large centre console (Replaces centre seat)

Electronic engine governor control

Electronic transmission PTO control

275 / 70R 22.5 148/145L tyres with 4.875 diff ratio - 6300kg capacity on front axle

Rear Engine PTO (225Nm @ 100% engine speed continuous operation) - Dealer fit Option

Rear Engine PTO (343Nm @ 72% engine speed continuous operation) - Dealer fit Option

26,000kg GCM requires trailer brake proportioning valve - Dealer fit Option

## PERFORMANCE (Calculated)

**Max. speed:**

**Gradeability 1st gear (Calculated):**

**Gradeability 6th gear (Calculated):**

**Est. RPM @ 100km/h:**

**5.143 diff ratio with 11R 22.5 tyres**

100km/h (Speed limited - ADR65/00)

32.3% @ 16,000kg

2.7% @ 16,000kg

2106rpm

**4.875 diff ratio with 275 / 70R 22.5 tyres**

100km/h (Speed limited - ADR65/00)

33.4% @ 16,000kg

2.8% @ 16,000kg

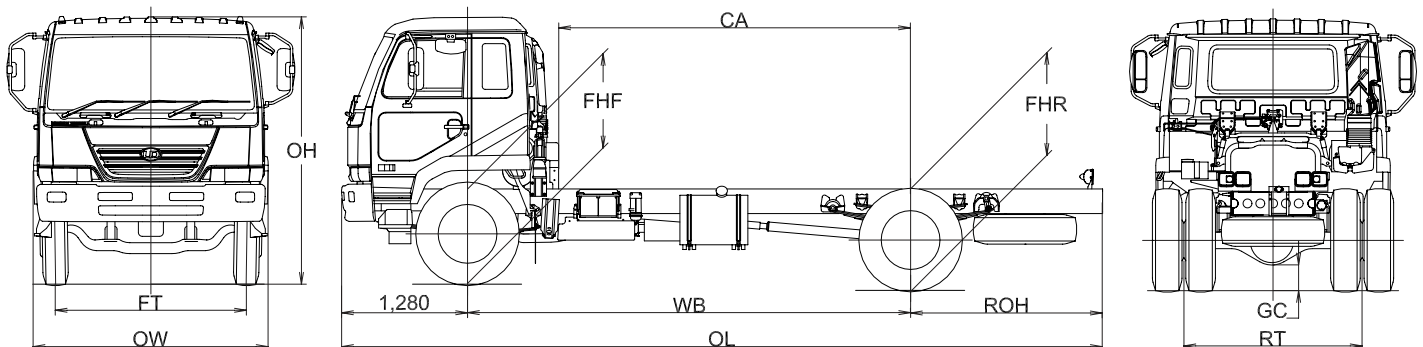
2186rpm

## GENERAL SPECIFICATIONS (approx.)

Wheel Base	Weight (kg)				
	GVM*	GCM	FA <sup>1</sup>	RA <sup>1</sup>	Total Tare <sup>1</sup>
H	16000	20500	2850	1955	4805
N	16000	20500	2910	2045	4955
R	16000	20500	2940	2105	5045

Dimensions (mm)												
WB	OL	OW	OH <sup>2</sup>	FT	RT	ROH	CA	GC <sup>2</sup>	FHF <sup>2</sup>	FHR <sup>2</sup>	Turn Radius Ref to Ref <sup>2</sup>	
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	

<sup>1</sup>Weight estimated including fluids (not fuel) and STC and spare wheel, excludes tools and driver. <sup>2</sup>Based on vehicle with standard 11R 22.5 front and rear tyres. Subtract 45mm for 275 / 70R 22.5 tyres.



Imported and distributed by UD Trucks Australia Pty Ltd(A.C.N 085 417 376) Photos for illustration purposes. As part of continual product improvement the within specification are subject to change without notice. UDTA in as far as it is permitted by law to do so shall not be liable in any way as a result of any reliance placed by any persons or anything contained in this document. Please consult with UD Trucks dealer for the latest information about vehicle specifications.

\*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.

