

MK5

Air Suspension

GVM 10,400kg* GCM 14,900kg

Specifications



Note: Illustration shows MK6 model

ENGINE

Model: J05D -TG - a vander engine manufactured for Nissan Diesel
4 cylinder 4 valves per cylinder, 4 cycle, direct injection, water cooled, in-line diesel engine, Variable nozzle turbocharger with intercooler

Number of cylinders: 4 cylinders

Bore x stroke: 112mm x 120mm

Total piston displacement: 4,728 cc

Max. output (ISO Net): 129 kw (175 PS) at 2,550 rpm

Max. torque (ISO Net): 500 N.m (51 kgm) at 1,600 rpm

Max. governed speed: 2,600 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, 8 litre capacity

Air compressor:

Water cooled reciprocating type, single cylinder with 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 525mm 10 blade cooling fan

FUEL AND INTAKE SYSTEM

High pressure electronically controlled common rail fuel injection system
Replaceable primary and secondary fuel filters
200lit 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: 350 mm

TRANSMISSION

Make and model: Nissan Diesel MKS61B
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 | 6.57 | 4th | 1.39 |
| 2nd | 3.83 | 5th | 1.00 | |
| 3rd | 2.27 | 6th | 0.73 | |
| | | Rev | 6.574 | |

Transmission PTO opening: LHS

PTO drive gear rating: 91Nm @ 100% engine speed (nominal ratio)

BRAKES

Air Over Hydraulic (AOH) dual line, internal expanding, leading and trailing shoe type system with 4 channel BOSCH ABS and Easy Hill start (EHS)

Air pressure: 7.2 - 8.5 kg/cm²

| | Front | Rear | Total |
|-----------------------|----------------------|----------------------|----------------------|
| Drum diameter: | 320 mm | 320 mm | |
| Lining area: | 1360 cm ² | 1672 cm ² | 3032 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 | 235/75R 17.5 | 132/130M |
|--------------------------|----------------|--------------|----------|
| | Rear - dual | 235/75R 17.5 | 132/130M |

See Options for alternative tyre size

Pressed steel disc wheel, 1 piece rim, 6.75 x 17.5 131 offset-10TCS, 6 stud
One spare wheel and tyre mounted on carrier (STC) at the rear of chassis

AXLES

FRONT NISSAN DIESEL FA35

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

Front axle capacity: 3,700 kg *Refer to Load Rating summary for max permissible load

REAR NISSAN DIESEL FS55

Fully floating pressed steel banjo type housing, single drive type

Final reduction gear: Single reduction, hypoid gear

Final reduction gear ratio: 4.333

Rear axle capacity: 7,500 kg *Refer to Load Rating summary for max permissible load

SUSPENSION

FRONT

Taper leaf spring with anchor at front and shackle at rear

Width x length: 70 x 1,300 mm

The number of leaves: 3

Spring constant: 264N/mm (26.9 kg/mm)

Shock absorbers: Telescopic double acting

REAR

2 bag full floating Hendrickson HAS200

Pneumatic height control valve with dump function

Telescopic, double acting shock absorbers

9,000kgs ground capacity

Cross channel, torque rod stabilizer

LOAD CAPACITY SUMMARY

| | 235/75R 17.5 tyres | | 225/90R 17.5 tyres | |
|---------------------------------------|--------------------|----------|--------------------|----------|
| | Front(kg) | Rear(kg) | Front(kg) | Rear(kg) |
| Axle capacity | 3700 | 7500 | 3700 | 7500 |
| Steering / Suspension Capacity | 3600 | 9000 | 3600 | 9000 |
| Tyre capacity | 3700 | 7500 | 3600 | 6800 |
| Max capacity (limit kg)* | 3600 | 7500 | 3600 | 6800 |

Note: Based on nominated tyres and standard springs

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CAB

Forward control, spring suspended cab day with shock absorbers
Torsion bar cab tilt system
Front opening inspection bonnet

Standard Equipment

Overhead console with driver and passenger sunvisors
24v Cigarette lighter / power supply with 2 ash trays
Large On/Off/Door interior light
Double arm, 2-spnd 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
Power operated driver and passenger windows
Remote operated keyless central locking
Multi speed air conditioning
Cruise control - Stalk mounted
AM/FM radio with CD player
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: 234 x 70 x 7 mm

Material: Pressed carbon steel

| Tensile | Yield | Modulus |
|----------------------|----------------------|-------------------|
| 45kg/mm ² | 30kg/mm ² | 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
Large centre console (Replaces centre seat)
Air dam front bumper
Electronic engine governor control
Electronic transmission PTO control
High torque transmission PTO – output 300Nm @ 92% engine speed
225/90R 17.5 tyres - (6.00 x 17.5-135mm offset 10TCS 6stud)
- with 4.555 diff ratio
Rear Engine PTO (343Nm @ 72% engine speed continuous operation) - Dealer fit Option
ADR65/00 100km/h speed limiter - Dealer fit Option

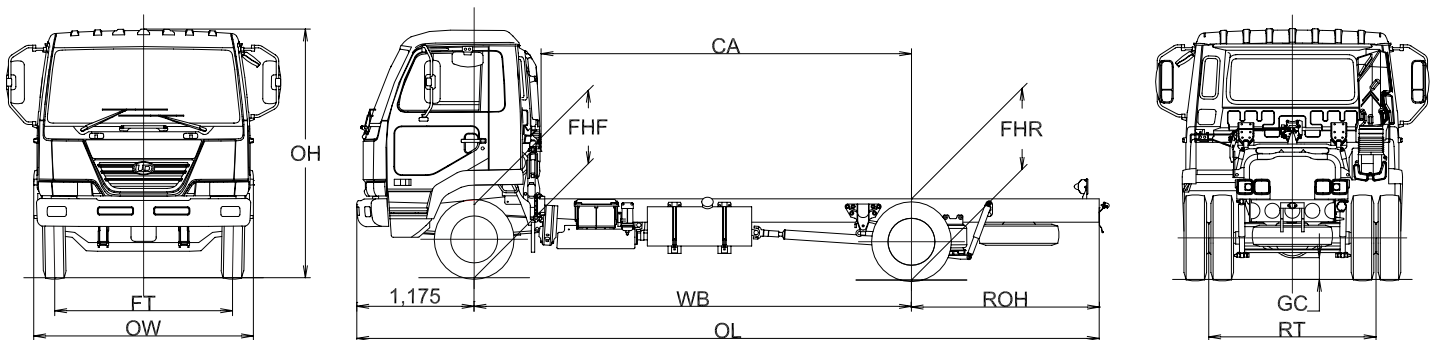
PERFORMANCE (Calculated)

| | 4.333 with 235/75R 17.5 | 4.555 with 225/90R 17.5 |
|--|-------------------------|-------------------------|
| Max. speed: | N/A | N/A |
| Gradeability 1st gear (Calculated): | 32.8% @ 10,400kg | 35.5% @ 10,400kg |
| Gradeability 6th gear (Calculated): | 2.8% @ 10,400kg | 3.1% @ 10,400kg |
| Est. RPM @ 100km/h: | 2204rpm | 2383rpm |

GENERAL SPECIFICATIONS (approx.)

| Wheel Base | Weight (kg) | | | | | Dimensions (mm) | | | | | | | | | | | | |
|------------|-------------|-------|-----------------|-----------------|-------------------------|-----------------|------|------|-----------------|------|------|------|------|-----------------|------------------|------------------|-------------------------|-----------------------------|
| | GVM* | GCM | FA ¹ | RA ¹ | Total Tare ¹ | WB | OL | OW | OH ² | FT | RT | ROH | CA | GC ² | FHF ² | FHR ² | FHR ² Dumped | Turn Radius Kerb to Kerb |
| G | 10400 | 14900 | 2100 | 1195 | 3295 | 4380 | 7535 | 2200 | 2488 | 1780 | 1675 | 1880 | 3710 | 185 | 743 | 810 | 770 | 6960 |
| L | 10400 | 14900 | 2140 | 1235 | 3375 | 5000 | 8525 | 2200 | 2488 | 1780 | 1675 | 2250 | 4330 | 185 | 743 | 810 | 770 | 7950 |

¹Weight estimated including fluids (not fuel) and STC and spare wheel, excludes tools and driver. ²Based on vehicle with standard 235/75R 17.5 front and rear tyres. Add 23mm for 225/90R 17.5 tyres.



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

