



ISUZU

Images are not representative of model.

Specification Guide

NLR 45-150

Weight Ratings

GVM	4,500 kg
GCM ¹	8,000 kg
Towing Capacity ¹	4,000 kg

Engine

Power	110 kW @ 2,800 rpm
Torque	375 Nm @ 1,280 - 2,800 rpm

Transmissions

6-speed Manual Transmission (MT)
9-speed Dual-clutch Transmission (DT)

Wheelbase

2,490 mm
3,360 mm

Key Features

- ADR 80/04 (pPNLT) Compliant
- Advanced Emergency Braking (AEB)
- Automatic Lighting System (ALS)
- Bi-LED Headlamps with Daytime Running Lamps (DRL)
- Driver Suspension Seat
- ECE-R29 cab with side anti-intrusion beams
- Electric Park Brake (EPB) with Auto Brake Hold
- Electronic Stability Control (ESC)
- Full speed Adaptive Cruise Control (F-ACC) (DT only)
- Lane Departure Warning (LDW)



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truck models.



Driveline

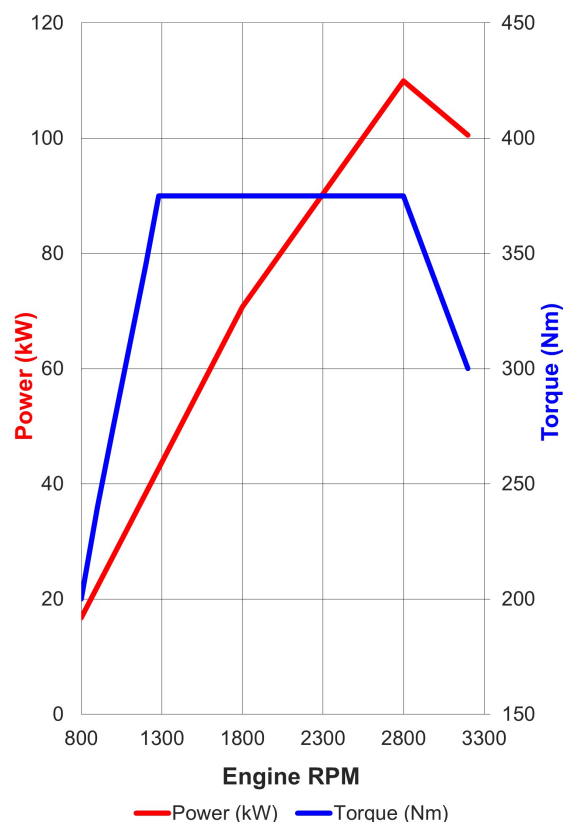
Engine

Description	Isuzu 4JZ1-TCS
Type	4 Cylinder
Power	110 kW (150 PS) @ 2,800 rpm
Torque	375 Nm @ 1,280 - 2,800 rpm
Displacement	2,999 cc
Compression Ratio	17.5:1
Bore x Stroke	95 mm x 104 mm
Induction	Electronically controlled variable nozzle turbocharger with air -to air intercooler.
Fuel Injection	Direct injection high pressure common rail system
Emission Standard	ADR 80/04 (pPNLT)
Emission Control	SCR (Selective Catalytic Reduction) DPD (Diesel Particulate Diffuser) EGR (Exhaust Gas Recirculation)
Auxiliary Brake	Vacuum controlled exhaust brake

Transmission

Description: ISUZU MYY-6Z	
Type: 6-speed Manual (MT). Synchromesh on gears 2-6.	
Ratios:	
MT	1 2 3 4 5 6 REV
	5.97 3.43 2.04 1.37 1.00 0.70 5.70
Power Take Off Facility: Provision on LHS of transmission case. Drive from counter gear.	
Description: Isuzu MYR-9S	
Type: 9-speed Dual-clutch Transmission (DT) with both fully automatic and clutchless manual operation modes	
Ratios:	
DT	1 2 3 4 5 6 7 8 9 REV
	5.16 3.94 2.86 2.18 1.67 1.30 1.00 0.76 0.58 4.81
Power Take Off Facility: Provision on LHS of transmission case. Drive from counter gear.	

4JZ1-TCS 150PS pPNLT



Clutch

Type: Single plate with auto adjusting hydraulic control and vacuum assistance	
MT	Clutch Plate Diameter: 300 mm
DT	Type: Fully automated dual wet clutch and torque converter (TC) with lock up

Performance² (calculated - typical paved road)

		Geared Speed (top gear at peak power engine rpm)	Low Speed Gradeability (lowest forward gear assuming no wheel slip)	Engine Speed (top gear at 100 km/h)
NLR 45-150 MT	At 4,500 kg GVM	115 km/h @ 2,800 rpm	59%	2,425 rpm
NLR 45-150 DT	At 4,500 kg GVM	140 km/h @ 2,800 rpm	51%	2,003 rpm

Technology & Equipment

Intelligent Safety

ACTIVE SAFETY Advanced Driver Assistance Systems (ADAS)	Advanced Emergency Braking (AEB)
	Anti-lock Braking System (ABS)
	Anti-Skid Regulator (ASR)
	Attention Alert System (AAS)
	Automatic Lighting System (ALS)
	Cab Tilt Warning (CTW)
	Cruise Control (CC)
	Distance Warning System (DWS)
	Electric Park Brake (EPB)
	Electronic Brakeforce Distribution (EBD)
	Electronic Stability Control (ESC)
	Front Cross Traffic Alert (FCTA)
	Full Speed Adaptive Cruise Control (F-ACC) (DT only)
	Intelligent Speed Limiter (ISL) (DT only)
	Intersection Emergency Braking (IEB)
	Intersection Warning System (IWS)
	Lane Departure Warning (LDW)
	Miss Acceleration Mitigation (MAM) (DT only)
	Traffic Movement Warning (TMW)
	Traffic Sign Recognition (TSR) (DT only)
PASSIVE SAFETY Cabin Occupant Safety Systems (COSS)	Door mounted cornering lamps
	Driver and front left hand passenger seatbelt pretensioners
	Driver and front passenger airbags
	ECE-R29 cab with side anti-intrusion beams
	Overhead shelf restraint netting

Accessories³

Towing	Isuzu Genuine Towbar	•
	Isuzu Trailer Wiring Kit	•
	Isuzu Electric Trailer Brake Controller Kit	•
Lights	Driving Lights	•
	Beacons	•
Protection	Isuzu Genuine Bull Bar	•
	Isuzu Seat Covers	•
	Isuzu Floor Mats	•
	Isuzu Dash Mats	•
	Isuzu Weathershields	•
	Isuzu Mudflaps	•
Technology	Isuzu Cameras	•
	Isuzu Tyre Pressure Monitoring	•
	Alarms	•
Aerodynamics	Air Deflectors	•

• Fitted as Standard • Option to Fit

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Colours shown are indicative only, additional costs may apply. Availability on request only for limited models. Check with your local dealer.

Chassis

Steering

Type	Power assisted rack and pinion
Turns Lock To Lock	4.2
Wheel Lock Angle	38° (inside wheel) / 35° (outside wheel)

Suspension

Front	Type: Coil Springs
	Other Features: Double acting hydraulic shock absorbers
Rear	Type: Taper leaf main, taper leaf helper spring
	Other Features: Double acting hydraulic shock absorbers

Fuel and AdBlue® Tanks

Diesel Tank	Type	Frame mounted tank
	Capacity⁴ (L)	100 (D34)
		70 (D25)
	Material	Steel
AdBlue® Tank	Features	Lockable Cap
	Type	Frame mounted tank
	Capacity⁴ (L)	14
		High-Density Polyethylene

Electrical Systems

Voltage (V)	24
Alternator (A)	90
Starter Motor (kw)	3.70
Battery	2 x 80D26L 600 (CCA)
CAN bus Provision	FMS Provision

Chassis Frame

Type	Cold rivetted ladder frame
Material	JSH440 steel
Dimension	Side Rail (mm): 180 x 65 x 4 Rear frame width (mm): 700

Axle

Front	Description	Isuzu FI026
	Type	Independent wishbone
	Capacity	2,600 kg
Rear	Description	Isuzu R050
	Type	Full floating banjo with four differential pinions
	Capacity	5,000 kg
	Ratio	4.556

Wheels & Tyres

Front	Wheels	16X5.5J-116.5
	Tyres	205/75R16C 113/111 R Michelin
	Front Axle Tyre Rating	2,300 kg
Rear	Wheels	16X5.5J-116.5
	Tyres	205/75R16C 113/111 R Michelin
	Rear Axle Tyre Rating	4,360 kg
Spare	Wheels	16X5.5J-116.5
	Tyres	205/75R16C 113/111 R Michelin

Brakes

Type	Ventilated disc/disc with dual circuit hydraulic control, integrated boost assist
Front Diameter (mm)	293
Rear Diameter (mm)	293
Park Brake	Electric Park Brake (EPB), drum mounted on rear of transmission.

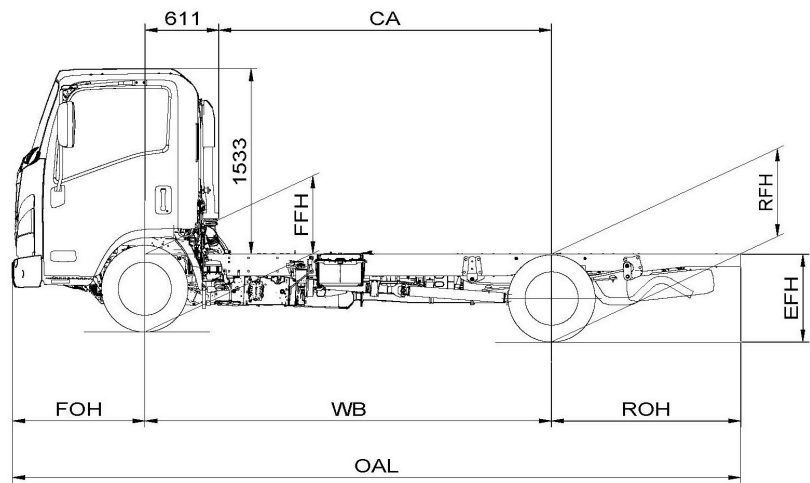
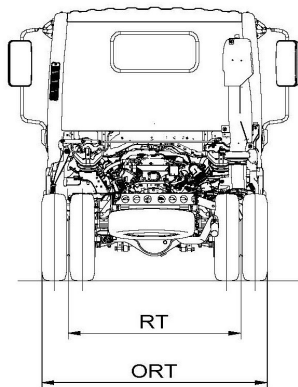
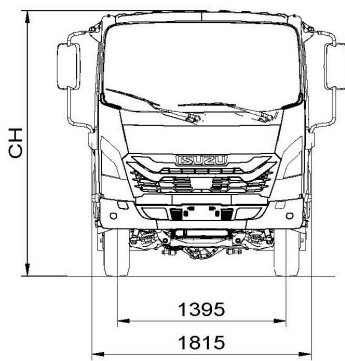
Weights & Dimensions

Weights (kg)

Models	Ratings ⁵		Loading Limit ⁵ (at ground)		Cab Chassis Weight ⁶			Order Code
	GVM	GCM	Front	Rear	Front	Rear	Total	
NLR 45-150 MT D25	4,500	8,000	2,300	4,360	1,601	595	2,196	NS-NLRDA-EAS
NLR 45-150 MT D34	4,500	8,000	2,300	4,360	1,578	647	2,225	NS-NLRDA-HAS
NLR 45-150 DT D25	4,500	8,000	2,300	4,360	1,631	605	2,236	NS-NLRDB-EAS
NLR 45-150 DT D34	4,500	8,000	2,300	4,360	1,608	657	2,265	NS-NLRDB-HAS

Dimensions⁷ (mm)

Models	WB	OAL	FOH	ROH	CA	RT	ORT	CH	FFH (Unladen)	RFH (Unladen)	EFH (Unladen)	Turning Circle ⁸ (m) Kerb To Kerb
NLR 45-150 D25	2,490	4,735	1,100	1,145	2,027	1,425	1,865	2,152	619	706	746	9.8
NLR 45-150 D34	3,360	6,025	1,100	1,565	2,897	1,425	1,865	2,151	618	721	769	12.7



Cabin Features

General Features

AUDIBLE WARNING	Reverse alarm
ENGINE ACCESS	Manual cab tilt to 45° with torsion bar assistance
EXTERIOR LIGHTING	Bi-LED Headlamps with LED Daytime Running Lamps (DRL) LED tail lamps
FRONT BUMPER	3-piece resin, body coloured
GRILLE	Silver paint
SECURITY	Passive Entry and Start System (PESS) with remote central locking and immobiliser
STEPS	Heavy duty anti-slip steps
WIPERS	Two speed windscreen wipers with intermittent wipe mode

Driver Control

ENGINE	Cruise control DPD manual regeneration switch Idle speed control
GENERAL CONTROLS	Windscreen wipers (2 speed and intermittent modes), washers, exhaust brake, turn signals
SAFETY SYSTEMS	On/Off and Adjustable safety systems (for more details see owner's manual)
STEERING WHEEL CONTROLS	ADAS controls Multi Information display controls Multimedia controls (inc. phone)
TRANSMISSION (DT ONLY)	Gear selection control with P-R-N-D and sequential shift positions



Cabin Interior

AIR CONDITIONING	Auto climate control
DOOR WINDOWS	Electric control
ENTRY ASSIST GRIPS	Door and roof pillar mounted
INTERIOR LIGHTING	LED lamp
OCCUPANCY	Driver's bucket seat equipped with mechanical suspension and weight adjustment to 130kg Passenger bench seat with 2 seat capacity
POWER OUTLET	24V socket USB port
SEATBELTS	Lap sash seatbelts in all outboard seating positions. Centre seat lap belts.
STEERING COLUMN	Tilt / telescopic adjustable
STORAGE	Overhead cabinet, 2 cup holders, door pockets, centre phone storage pocket

MyISUZU Co-Pilot Audio Visual Unit

OPERATING SYSTEM	Android Automotive
NAVIGATION	Truck tailored GPS based system + Live traffic and map content updates via smartphone link (live feed updates are provided for 3 years)
SCREEN TYPE	10.1" High Definition with capacitive touch
RADIO	AM / FM / DAB+
INTERNAL STORAGE CAPACITY	32GB
SMARTPHONE INTEGRATION	Android Auto/Apple CarPlay compatible (wired) Phone storage pocket USB socket Wi-Fi connectivity

Instrumentation

GENERAL INSTRUMENTATION	Digital odometer with integrated dual tripmeters Engine temperature and fuel/AdBlue® level Speedometer and tachometer
MULTI INFORMATION DISPLAY	Adjustable vehicle speed warning AEB, FCW, DWS, LDW, F-ACC, TMW System activation alerts CTW indicator Hourmeter

Service & Support



ISUZU CARE



Service Agreements

Isuzu Essentials

Isuzu Essentials Plus

Isuzu Total

	Available on new trucks only and paid upfront - up to 72 months or the first 6 scheduled services	Available on new trucks and trucks currently in use - up to 72 months old	For new trucks only, Isuzu Total is our most comprehensive service package
Check and Report Fault Codes	•	•	•
Wheel Bearing Re-pack & Lubricating All Joints	•	•	•
Globes – Stop, Tail, Number Plate, Indicator, Headlight, Interior		•	•
Fan Belts & Coolant Hoses		•	•
Wiper Blades, Relays & Fuses		•	•
Engine, Transmission & Electrical Components			•
Brake & Suspension Components			•
Washer Fluids & Consumables	•	•	•
Labour	•	•	•

Dealer Network

Service & Support	National Isuzu Truck Dealer Network
	Find dealer online



Warranty⁹

Chassis	6 Year Standard Warranty
	250,000 km / Unlimited Hours
Genuine Parts & Accessories	3 Years Standard Warranty (When installed by an Isuzu Trucks Approved Dealership - Including Labor)
Service Intervals	25,000 km or 12 Months or 500 hrs (whichever occurs first)

Roadside Assist

Roadside Assist	6 Year Roadside Support
	24/7 Unlimited Km

¹ Maximum towing capacity applies. Gross Trailer Mass (GTM) should not exceed towing vehicle weight. Limit is subject to government regulatory requirements. To utilise GCM, the vehicle must be fitted with towing equipment suited to meet the required GCM ratings in compliance to local regulations.

² Performance values are theoretically calculated based on the vehicle at GVM. Real world figures may vary based on driving conditions, vehicle configuration, load and environmental factors.

³ Accessory Installer must ensure all fitted accessories comply with local road authority regulations and do not compromise safety or certification requirements (eg: ADR compliance)

⁴ As shown on tank. Volume of fuel/AdBlue® that can be added to a near-empty tank will vary according to operating conditions.

⁵ Vehicle ratings and axle weight limits are subject to government regulatory requirements. Consult your Isuzu dealer to select the correct vehicle for your specific application.

⁶ Manufactures nominal tare mass, includes tools, spare wheel (if standard), 10 Litres of fuel and 10 Litres of AdBlue®. Weights subject to ± 3% tolerance.

⁷ Drawing for reference only. Refer to the Isuzu Body Builder Guide for details.

⁸ Turning circle dimensions are based on manufacturers calculations and may vary under real-world conditions.

⁹ Subject to the conditions outlined in the IAL New Vehicle Warranty. All Isuzu warranties are subject to mandatory prescribed terms under Australian Consumer Law including consumer guarantees. For further information please visit isuzu.com.au or contact your local dealer.

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