

## NMR 250 TIPPER



### WEIGHT RATINGS

<b>GVM</b>	5,995 kg
<b>GCM (with MT)</b>	9,500 kg
<b>GCM (with AMT)</b>	8,000 kg

### ENGINE

<b>POWER</b>	110 kW @ 2,800 rpm
<b>TORQUE</b>	375 Nm @ 1,600 - 2,800 rpm

### TRANSMISSION

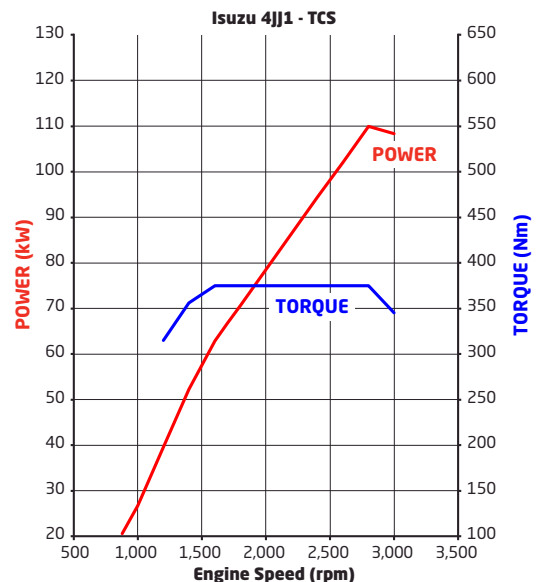
6 speed manual transmission (MT)
6 speed automated manual transmission (AMT)

\* Refer to back page for detailed weight rating information

INTELLIGENT SAFETY		
<b>ACTIVE SAFETY ADVANCED DRIVER ASSISTANCE SYSTEMS (ADAS)</b>	Advanced Emergency Braking	<b>(AEB)</b>
	Forward Collision Warning	<b>(FCW)</b>
	Distance Warning System	<b>(DWS)</b>
	Lane Departure Warning	<b>(LDW)</b>
	Traffic Movement Warning	<b>(TMW)</b>
	Electronic Stability Control	<b>(ESC)</b>
	Anti-Skid Regulator	<b>(ASR)</b>
	Anti-Lock Braking System	<b>(ABS)</b>
	Hill Start Aid (MT only)	<b>(HSA)</b>
	Automatic Lighting System (Front & Rear)	<b>(ALS)</b>
Cab Tilt Warning	<b>(CTW)</b>	
<b>PASSIVE SAFETY CABIN OCCUPANT SAFETY SYSTEMS (COSS)</b>	Driver & front passenger airbags	
	Driver & front left hand passenger seatbelt pretensioners	
	ECE-R29 cab with side anti-intrusion beams	
	Handsfree functions on steering wheel	
	Door mounted cornering lamps	

ISUZU WARRANTY COVER	
<b>WARRANTY</b>	5 Year / 250,00 km Warranty#
ENGINE	
<b>DESCRIPTION</b>	Isuzu 4JJ1-TCS
<b>TYPE</b>	4 cylinder 16 valve with chain driven DOHC
<b>DISPLACEMENT</b>	2,999 cc
<b>COMPRESSION RATIO</b>	17.5:1
<b>BORE X STROKE</b>	95.4 mm x 104.9 mm
<b>POWER</b>	110 kW (150PS) @ 2,800 rpm (DIN NET)
<b>TORQUE</b>	375 Nm @ 1,600 - 2,800 rpm (DIN NET)
<b>INDUCTION</b>	Electronically controlled variable nozzle turbocharger with air-to-air intercooler
<b>FUEL INJECTION</b>	Direct injection high pressure common rail
<b>EMISSION CONTROL</b>	Cooled EGR with exhaust Diesel Particulate Diffuser (DPD). ADR 80/03 (Euro V / EEV) compliant.

READY TO WORK	
<b>STANDARD FEATURES</b>	All steel body with drop sides
	Auto release two-way tailgate
	Auto release body lockdown hook
	Shovel rack
	LHS and RHS rope rails
	Non-slip side steps
	20 sec. raise / 20 sec. lower time
	<b>Cubic volume: 2.0 m<sup>3</sup></b>
	<b>Deck plate thickness: 3.2 mm</b>
	<b>Side / front / tail plate thickness: 2.3 mm</b>



CLUTCH	
MT	<b>Type:</b> Single plate with auto adjusting hydraulic control and vacuum assistance
	<b>Clutch Plate Diameter:</b> 300 mm
	<b>Clutch lining area:</b> 847 cm <sup>2</sup>
AMT	<b>Type:</b> Fully automated electro/hydraulically controlled wet clutch and torque converter (TC) with lock up

TRANSMISSION														
MT	<b>Description:</b> Isuzu MYY-6E													
	<b>Type:</b> 6 speed manual. Syncromesh on gears 1-6.													
	<b>Ratios:</b> <table border="1"> <thead> <tr> <th>1ST</th> <th>2ND</th> <th>3RD</th> <th>4TH</th> <th>5TH</th> <th>6TH</th> <th>REV</th> </tr> </thead> <tbody> <tr> <td>5.979</td> <td>3.434</td> <td>2.040</td> <td>1.379</td> <td>1.000</td> <td>0.750</td> <td>5.701</td> </tr> </tbody> </table>	1ST	2ND	3RD	4TH	5TH	6TH	REV	5.979	3.434	2.040	1.379	1.000	0.750
1ST	2ND	3RD	4TH	5TH	6TH	REV								
5.979	3.434	2.040	1.379	1.000	0.750	5.701								
AMT	<b>Description:</b> Isuzu MYY-6E													
	<b>Type:</b> 6 speed with both fully automatic and clutchless manual operation modes													
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AXLES	
FRONT	<b>Description:</b> Isuzu FI026
	<b>Type:</b> Independent wishbone
	<b>Capacity:</b> 2,600 kg
REAR	<b>Description:</b> Isuzu R050
	<b>Type:</b> Full floating banjo with four differential pinions
	<b>Capacity:</b> 5,000 kg
	<b>Ratio:</b> 4.777 (MT), 4.300 (AMT)

SUSPENSION	
FRONT	Coil springs
	Double acting hydraulic shock absorbers
REAR	Multi leaf main, taper leaf helper spring
	Double acting hydraulic shock absorbers

BRAKES	
<b>TYPE</b>	Ventilated disc/disc with dual circuit hydraulic control, vacuum assistance and electronic brake force distribution (EBD)
<b>DIAMETER FRONT</b>	293 mm
<b>DIAMETER REAR</b>	293 mm
<b>PARK BRAKE</b>	190 mm diameter drum mounted on rear of transmission
<b>AUXILIARY BRAKE</b>	Vacuum controlled exhaust brake

STEERING	
<b>TYPE</b>	Power assisted rack and pinion
<b>TURNS LOCK TO LOCK</b>	4.2
<b>WHEEL LOCK ANGLE</b>	38.00° (inside wheel) / 35.75° (outside wheel)

WHEELS & TYRES	
FRONT	<b>Wheels:</b> 16 x 5.5J five stud steel
	<b>Tyres:</b> 205/85R16 117/115L Bridgestone Tubeless
	<b>Steer axle tyre rating:</b> 2,570 kg
REAR	<b>Wheels:</b> 16 x 5.5J five stud steel
	<b>Tyres:</b> 205/85R16 117/115L Bridgestone Tubeless
	<b>Drive axle tyre rating:</b> 4,860 kg
SPARE	1 frame mounted spare wheel and tyre assembly

CHASSIS FRAME	
<b>TYPE</b>	Cold rivetted ladder frame. SAPH440 steel sidemembers.
<b>DIMENSIONS</b>	<b>Side rail (mm):</b> 180 x 65 x 4.0 <b>Rear frame width (mm):</b> 700

FUEL TANK	
<b>TYPE</b>	Frame mounted steel fuel tank
<b>CAPACITY</b>	75L
<b>FUEL CAP</b>	Lockable

ELECTRICAL SYSTEM	
<b>TYPE</b>	24 volt
<b>ALTERNATOR</b>	90 amp
<b>STARTER MOTOR</b>	4.0 kW
<b>BATTERY</b>	2 x 80D26L (630 CCA) batteries connected in series

CABIN GENERAL FEATURES	
<b>ENGINE ACCESS</b>	Manual cab tilt to 45° with torsion bar assistance
<b>STEPS</b>	Heavy duty anti-slip steps
<b>DOORS</b>	90° opening internally reinforced front doors
<b>MIRRORS</b>	Cab mounted convex mirrors with left side under view mirror
<b>WIPERS</b>	Two speed windscreen wipers with intermittent wipe mode
<b>EXTERIOR LIGHTING</b>	Multi-reflector halogen headlamps
<b>AUDIBLE WARNING</b>	Reverse alarm
<b>GRILLE</b>	Cabin coloured
<b>SECURITY</b>	Central locking with remote keyless entry and immobiliser

CABIN INTERIOR	
<b>SEATING</b>	Driver's bucket seat equipped with mechanical suspension and weight adjustment to 130 kg Front passenger bench seat with 2 seat capacity
<b>SEATBELTS</b>	3-point lap sash seatbelts in all outboard seating positions. Centre seat lap belts.
<b>STEERING COLUMN</b>	Tilt / telescopic adjustable
<b>ENTRY ASSIST GRIPS</b>	Door and roof pillar mounted
<b>DOOR WINDOWS</b>	Electric control
<b>STORAGE</b>	Overhead shelf Twin cup holders Front door pockets
<b>POWER OUTLET</b>	24V cigarette lighter
<b>AIRCONDITIONING</b>	Manual control
<b>INTERIOR LIGHTING</b>	Fluorescent lamp

AUDIO VISUAL UNIT	
<b>SCREEN TYPE</b>	6.2" LCD with capacitive touch
<b>OPERATING SYSTEM</b>	Android
<b>RADIO</b>	AM / FM
<b>INTERNAL STORAGE CAPACITY</b>	32GB
<b>OTHER CAPABILITY</b>	Provision for external camera inputs, navigation, reverse sensors and tyre pressure monitoring

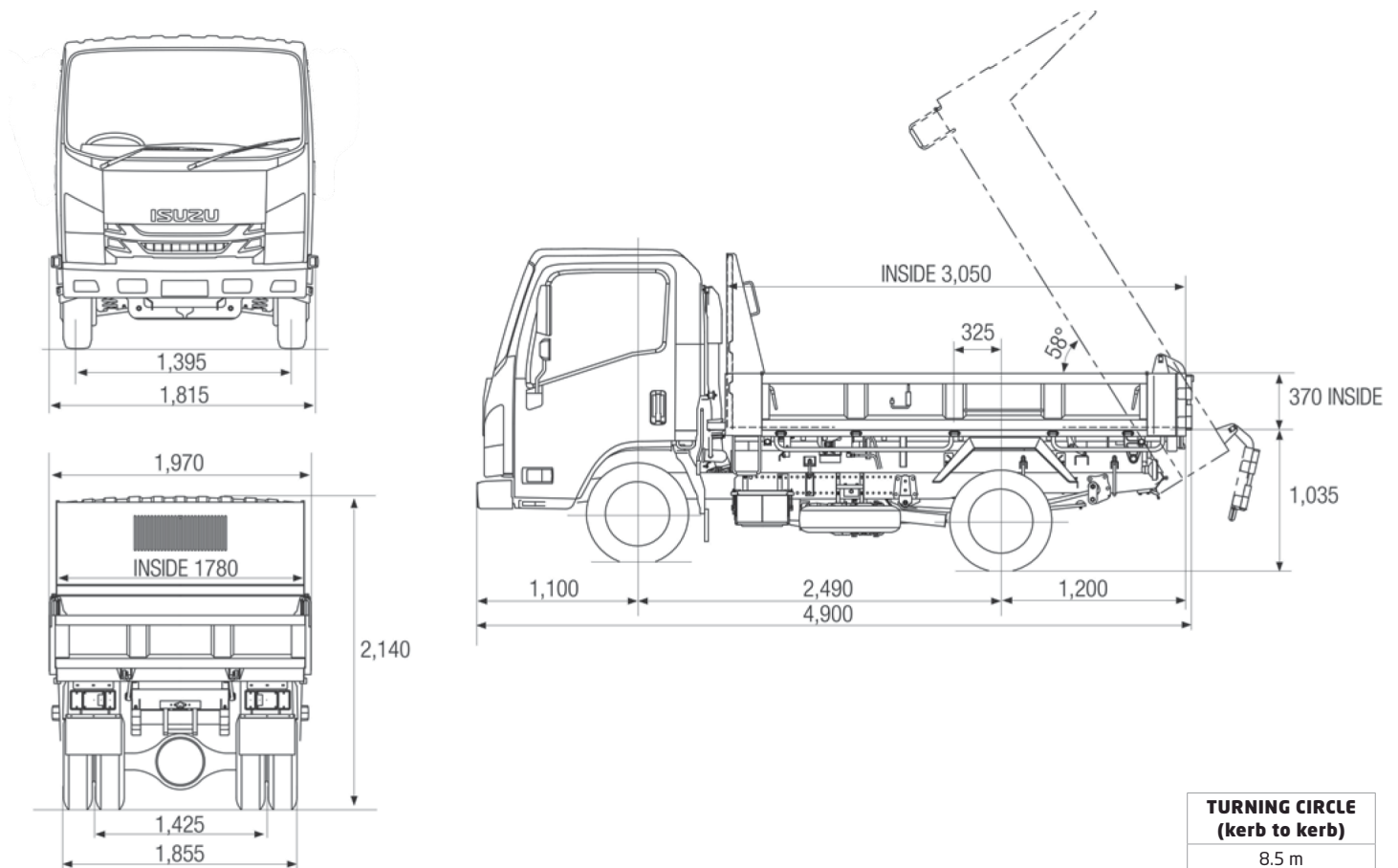
DRIVER CONTROLS	
<b>SAFETY SYSTEMS</b>	AEB on/off, DWS on/off/sensitivity adjust, LDW on/off/sensitivity adjust, TMW on/off, ESC&ASR on/off, headlamps and ALS on/off, HSA on/off/sensitivity adjust (MT only)
<b>ENGINE</b>	Idle speed control Cruise control DPD manual regeneration switch
<b>TRANSMISSION (AMT ONLY)</b>	Slow/fast gear engagement control, 1st gear start and normal/economy gear selection modes Gear selection control with P-R-N-D and sequential shift positions
<b>GENERAL CONTROLS</b>	Windscreen wipers (2 speed and intermittent modes), washers, exhaust brake, turn signals PTO engage switch (AMT only) Tip body raise and lower lever with safety release mechanism

INSTRUMENTATION	
<b>MULTI INFORMATION DISPLAY</b>	AEB, FCW, DWS, LDW, TMW systems activation alerts CTW indicator Vehicle systems status Low fuel level alert Fuel consumption information Service interval alerts Hourmeter Adjustable vehicle speed warning PTO engaged indicator
<b>GENERAL INSTRUMENTATION</b>	Speedometer and tachometer Digital odometer with integrated dual tripmeters Engine coolant temperature and fuel level gauges

WEIGHTS (kg)							
MODELS	RATINGS*		LOADING LIMIT* (at ground)		WEIGHT #		
	GVM	GCM	FRONT	REAR	FRONT	REAR	TOTAL
<b>NMR 250 TIPPER</b>	5,995	9,500	2,570	4,860	1,525	1,280	2,805
<b>NMR 250 AMT TIPPER</b>	5,995	8,000	2,570	4,860	1,565	1,320	2,885

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

# Vehicle as supplied and including 10 litres of fuel.



<b>TURNING CIRCLE (kerb to kerb)</b>
8.5 m

PERFORMANCE (calculated - typical paved road)				
MODELS		GEARED SPEED* (top gear at peak power engine rpm)	LOW SPEED GRADEABILITY (lowest forward gear assuming no wheel slip)	ENGINE SPEED (top gear at 90 km/h)
<b>NMR 250 TIPPER</b>	At 5,995 kg GVM	102 km/h @ 2,800 rpm	43%	2,343 rpm
<b>NMR 250 AMT TIPPER</b>	At 5,995 kg GVM	117 km/h @ 2,800 rpm	41%	2,109 rpm

\* Maximum speed achievable depends on vehicle frontal area as well as other factors. Consult your Isuzu dealer for more detailed information.

ORDER CODES	
MODELS	CODES
<b>NMR 250 TIPPER</b>	NM0521
<b>NMR 250 AMT TIPPER</b>	NM0621

# Total 5 Year Warranty, including Base Warranty (36 months / 100,000kms) and Additional Warranty (24 months / 150,000kms), cover is 60 months or 250,000kms, whichever comes first. To qualify for Additional Warranty, all scheduled servicing during the Base and Additional Warranty periods (ie. the total 60 months) must be performed by an authorised Isuzu service dealer from the date of delivery to the first customer. If scheduled servicing is performed by unauthorized service providers, only the Base Warranty will apply. For VL24 Tipper models, additional Warranty applies to the cab & chassis only. Tipper bodies are excluded from Additional Warranty. These are covered by Base Warranty only. Cab Perforation Corrosion is limited to 36 months / unlimited kms on all models. It is not included as part of Additional Warranty.

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