



## MAIN SPECIFICATIONS

Model	CYJ380
Code	CYJ101
Configuration	8 x 4
GVM	25,000kg
GCM	39,000kg
Gradeability at 39,000kg	27%
Est geared speed	90Km/h @ 1230 RPM
Turning circle kerb to kerb	16.5

## DRIVELINE SPECIFICATIONS

Engine Model	6UZ1-TCS
Type	6 Cylinder in-line OHC 24 valve. Denso common rail electronic controlled injection system. VGS Turbo & Intercooled fourstroke diesel
Displacement	9,839cc
Compression ratio	17.5:1
Power (ISO Nett)	279kW (380PS) @ 2,000 RPM
Torque (ISO Nett)	1765Nm (1,300lb/ft) @ 1,400RPM
Transmission model	MJX12P - AMT
Forward gears	12

## KERB MASS\* Kg

Front	5,036
Rear	2,474
Total	7,510

\*Estimate with coolant, oils, tools and 20 L of fuel

## DIMENSIONS (mm)

WB: Wheelbase	6,730
OAL: Overall length	11,840
CW: Cab width	2,490
OAH: Overall height	2,805
CA: Cab to rear axis	6,319
CE: Cab to rear of frame	10,029
FOH: Front overhang	1,400
ROH: Rear overhang	3,710
FT: Front track	2,080
RT: Rear track	1,870
FW: Frame width @ Rear	850
RFH: Frame height at rear axis	858
AF: Front axle to rear cab	411
FI: Front interaxle	1,850
RI: Rear interaxle	1,210
ORT: Overall rear tyre	2,425

## Drive line Specifications

### Engine-ISUZU 6UZ1-TCS

- Bore x Stroke 120mm x 145mm
- Emission Std: Japan 05
- Cooled exhaust gas recirculation system and DPD

### Lubrication

- Pressure fed lubrication with full & partial flow cartridge filters
- System capacity approx 27 liters

### Cooling system

- Thermostatically controlled with pressure vented radiator
- Remote mounted opaque coolant surge tank.
- Temperature modulated viscous hub fan

### Fuel System

- Pre filter with water in fuel sensor
- Heavy duty, fine micron main fuel filter
- 300 liter rectangular alloy fuel tank
- Vehicle speed limited to 90 Km/h

### Air Intake System

- Cab concealed, heavy duty, dual element with air intake above the cab
- Element restriction visual warning

### Clutch

- 432mm single plate, pull type
- Hydraulic control, air assisted
- Clutch pedal for optional "inching", not required for normal operation

### Transmission: MJX12P-AMT

- Isuzu 12 speed automated manual transmission with internal countershaft brake and oil to air cooler. Manual or Automatic gear selection options. Power and Economy Auto shift modes. Skip shift and shift down retarder
  - PTO opening: LH side
  - Oil capacity approx 16 litres
- Gear ratios:1
- |                    |                    |           |           |
|--------------------|--------------------|-----------|-----------|
| 1st 12.72          | 2nd 9.928          | 3rd 7.208 | 4th 5.829 |
| 5th 4.583          | 6th 3.707          | 7th 2.677 | 8th 2.165 |
| 9th 1.572          | 10th 1.271         | 11th 1.00 | 12th .809 |
| R-Low split 10.967 | R-High split 8.872 |           |           |

### Exhaust

- Isuzu box type muffler with heat shield and horizontal R.H outlet

### Front Axle: ISUZU FO63 x 2

- Reverse Elliot "I" Beam type

### Rear Axle: ISUZU RT165

- Single speed tandem drive with interaxle differential lock and intergral oil pump
- Ratio 2.687:1
- Hypoid type ring gear, 368mm diameter
- Oil capacity (approx) F18L, R 12L

### Axle Load Summary (KG)

	Front	Rear
Axle	12,600	16,500
Spring	13,480	24,000
Tyre	10,900	20,600
Legal Limit	10,800	14,500

### Warranty

Vehicle: 24 months/250,000kms\*  
 Powertrain: 36 months/250,000kms\*  
 Corrosion (Perforation): 36 months  
 \* Which ever occurs first. Subject to the terms & conditions detailed in the Owners manual Service and Supplement

## Chassis Specification

### Front Suspension

- Alloy steel taper leaf spring (parabolic)
- Nominal size:  
F1: 1600mm x 80mm x 3 leaves  
F2: 1440mm x 80 x 3 leaves
- Shock absorbers on both axles with stabiliser bar on F1 axle

### Rear Suspension

- Isuzu 4 bag (per axle) air suspension
- Stabiliser bar on each axle
- 2 Double acting shock absorbers per axle
- Remote hand control to raise and lower suspension height over a 160mm range
- 2 adjustable height memory to aid loading/unloading
- Suspension auto return to normal ride height at 20Km/h

### Steering

- Recirculating ball steering with integral power and external ram assistance
- Tilt/telescopic steering column, adjustable for height and angle
- System Capacity approx 6 litres

### Brakes

- Dual circuit, full air, taper roller, auto adjusting, NZ Brake Rule 32015 compliant, ABS
- Drums 370mm diameter
- Total lining area 7,372 cm<sup>2</sup>
- Spring park brake acts on all rear wheels
- Cylinder air compressor, 340cc (single)
- Alloy air tanks
- Air dryer - desiccant type
- Air processing unit
- Trailer brake hand control with limited travel
- HSA - Hill Start Assist

### Chassis Frame

- Rolled steel, ladder type channel section with cold riveted cross members
- Side member dimensions mm 285x85x7.0
- Inner frame reinforcements around suspension attachment points
- Material HT540
- *Please refer to the Isuzu Body Builders guide for chassis modifications and body fitment*

### Wheels and Tyres

- One piece steel wheels 19.5" x 6.75" with 147mm offset, 8 stu
- Tyres: All, 265/70R19.5 All season tread
- Load/Speed rating (all tyres) 140/138L
- Spare wheel and tyre

### Electrical System

- 24 volt negative earth system
- Alternator 50 amp
- Battery: 2 x N120 type 638CCA (-18C)

## Cabin Specifications

### Cab Exterior

- All steel day cab, monoquoue construction with welded strengthening ribs and door side impact beams, standard roof height
- Cab mounted heated main mirrors
- Enclosed alloy non slip cab steps with RH door step light
- Power tilt cab to 48 degrees with manual back up
- 4 point, electronically controlled, air bag mount with 4 dampers cab suspension
- Lift up front panel for eng oil, screen wash and clutch fluid check and fill
- HID headlamps
- In bumper fog lamps
- Cornering lamps

### Cab Interior

- Fully trimmed with carpet floor coverings
- Isuzu air seat, auto weight compensating pillar mount pre tensionioner type seat belt
- Fixed LH seat with manual back rest and fore/aft adjustment
- Auto air conditioning
- Japan frequency Radio
- Grab handles on the A and B pillars
- RH internal sun visors
- Centre storage compartment areas
- 2 overhead lockers & CB compatible compartment
- Power windows
- Central locking
- Interior light and fluorescent light

### Instrument & Controls

- Electronic Speedometer with odometer, 2 trip meters and electronic tachometer
- Main, primary & secondary air pressure gauges
- Fuel level & engine coolant temp gauges
- **LH combination stalk switches for:** 2 spd wipers & variable intermittent settings & washers, hazard lights, X-Tard & shift down
- **RH combination stalk switches for:** head lamps, high beam, turn signal, cruise control set, resume and cancel
- Idle speed adjustment switch
- Diff lock with engaged light
- Cruise control
- **Warning lamps for:** check engine, ABS fault, water in fuel, low air pressure (& buzzer), seat belt reminder cab suspension fault, SRS fault
- Indicator lamps for: trailer non ABS, park brake on, exhaust brake & retarder operation turn signal, high beam, trailer hand control on, cruise main and set
- **Multi info display includes:** clock, calender, Fuel consumption data includes: Total fuel economy and fuel used, Trip distance fuel economy and fuel used, instant fuel consumption (displayed while moving), Idle fuel used (displayed while stationary)
- **Multi info display warnings include:** engine overheat, low coolant level, low oil pressure, low fuel level

Please refer to the Owners and Drivers Manual for more detailed operation, driving instructions and warnings

A policy of continual improvement means that the specifications are subject to change without notice. Contact your Isuzu dealer to confirm specifications

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