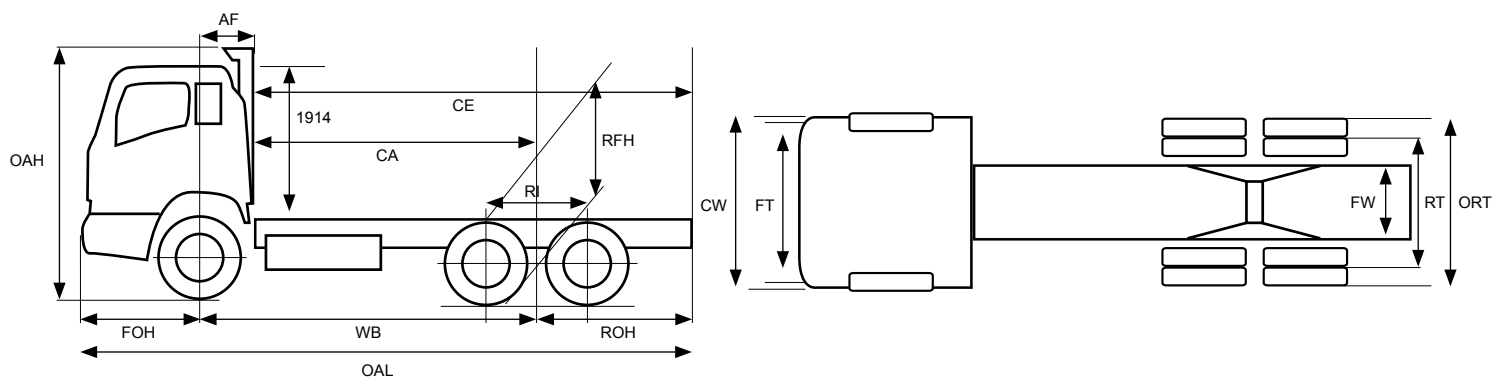




Sample photo only.  
Actual vehicle may  
differ from that shown.

JULY 2010

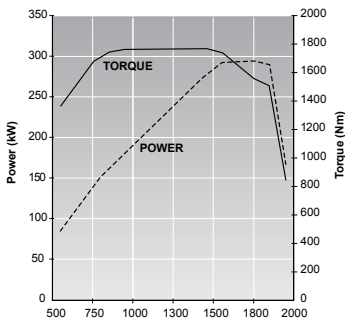
MAIN SPECIFICATIONS	
Model	CYZ400
Code	CYZ101
Configuration	6 x 4
GVM	24,000kg
GCM	50,000kg
Gradeability at GCM	39%
Estimated geared Speed	90Km/h @ 1560 RPM
Turning circle kerb to kerb	15m
DRIVELINE SPECIFICATIONS	
Engine Model	6WG1-TCR
Type	6 Cylinder in-line OHC 24 valve. Denso common rail electronic controlled injection system, VGS Turbo and intercooled four stroke diesel. EURO IV exhaust emission compliant
Displacement	15,681cc
Compression ratio	16.0:1
Power (DIN Net)	294kw (400PS) @ 1800 RPM
Torque DIN Net)	1765N.m (1300lb/ft) @ 1300 RPM
Transmission Model	RTLO14918B
Forward Gears	18
KERB MASS	
Front	4382
Rear	3534
Total	7916
* Estimate with coolant, oils, tools and 20L of fuel	
DIMENSIONS (mm)	
WB: Wheelbase	4,300
OAL: Overall length	7,650
CW: Cab width	2,490
OAH: Overall height	3,380 / Cab 3020
CA: Cab to rear axis	3,536
CE: Cab to rear of frame	5,486
FOH: Front overhang	1,400
ROH: Rear overhang	1,950
FT: Front track	2,065
RT: Rear track	1,850
FW: Frame width @ Rear	850
RFH: Frame height at rear axis	1,130
AF: Front axle to rear of cab	764
RI: Rear interaxle	1,310
ORT: Overall rear tyres	2,440



## Drive Line Specifications

### Engine-ISUZU 6WG1-TCR

- Bore x Stroke 147mmx154mm
- Emission Std: Euro IV
- Cooled Exhaust Gas recirculation system and Diesel Oxidisation Catalyst



### Lubrication

- Pressure fed lubrication with full and partial flow cartridge filters
- System capacity approx 32.5 litres

### Cooling System

- Thermostatically controlled with pressure vented radiator
- Remote mounted opaque coolant surge tank, gear driven pump and cooling fan
- Temperature modulated viscous hub fan
- System capacity approx 40 litres

### Fuel System

- Pre filter with water in fuel sensor
- Heavy duty, fine micron main fuel filter
- 400 litre rectangular alloy fuel tank

### Air Intake System

- Cab concealed 330mm heavy duty, dual element with above cab air intake
- Element restriction visual warning

### Transmission: RTLO 14918B

- Eaton 18 speed with multi disc countershaft brake and oil to air cooler
- PTO opening: bottom 8 bolt SAE, 474 Nm torque capacity
- Oil capacity approx 13 litres

Gear ratios:1			
1st	14.40	12th	1.92
2nd	12.29	13th	1.62
3rd	8.56	14th	1.38
4th	7.30	15th	1.17
5th	6.05	16th	1.00
6th	5.15	17th	0.86
7th	4.38	18th	0.73
8th	3.74	R-L/L	15.05
9th	3.20	R-L/H	12.86
10th	2.73	R-H/L	4.03
11th	2.29	R-H/H	3.43

### Clutch

- Spicer EP 1552, ceramic 6 button, twin plate 393mm diameter
- Hydraulic control, air assisted

### Exhaust

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

### Front Axle: Isuzu FO75

- Reverse Elliot "I" Beam type

### Rear Axle: Isuzu RT210

- Single speed tandem drive with interaxle differential lock and integral oil pump
- Ratio 4.55:1
- Hypoid type ring gear, 445mm diameter
- Oil capacity (approx) F18L, R 12L

### Axle Load Summary

	Front	Rear
Axle Capacity (kg):	7,500	21,000
Spring Capacity (kg):	7,200	26,800
Tyre Capacity (kg):	6,000	21,800

## Chassis Specifications

### Front Suspension

- Alloy steel taper leaf spring (parabolic)
- Nominal size: 1600mm x 80mm x 21-1, 24-1, 20-1
- Constant kg/mm 35.8
- Hydraulic, double acting shock absorbers

### Rear Suspension

- Isuzu 6 rod and trunnion axle location system
- Alloy steel taper leaf spring (parabolic)
- Nominal size: 1310mm x 90mm x 32-5
- Constant kg/mm 347.5

### Steering

- Recirculating ball steering with intergral power assistance
- Gear ratio 20.2:1
- Soft feel steering wheel 480mm diameter
- 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 with ABS
- Drums 410mm diameter
- Front linings 180mm wide type 24 chambers
- Rear linings 220mm wide, type 24/30 chambers
- Total lining swept area 9952cm<sup>2</sup>
- Spring park brake acts on all rear wheels
- Twin cylinder air compressor, 680cc
- Air dryer – deciccant type
- Air processing unit
- Trailer brake hand control with limited travel

### Auxiliary Retardation

- Isuzu X-Tard air controlled butterfly type exhaust brake providing up to 350ps @ 2000rpm

### Chassis Frame

- Rolled steel, ladder type channel section with cold rivited cross members
- Side member dimensions mm 318x90x7.0

- 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 8.25" x 22.5" with 165mm offset, 10 stud, 22mm hole size and 335mm PCD
- Tyres: Front 11R22.5 148/145  
Rear 11R22.5 148/145
- No spare wheel or tyre
- 11.75" x 22.5" wheels permitted
- Front axle track not to exceed 2150mm
- 385/55 or 65 22.5 tyres permitted

### Electrical System

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

## Cabin Specifications

### Cab Exterior

- All steel cab, monoquoue construction with welded strengthening ribs and door side impact beams, standard roof height
- Door mounted 22", electric heated main and convex mirrors
- LH kerb mirror and front underview mirror
- Enclosed alloy non slip cab steps with RH door step light
- Power tilt cab to 48 degrees with manual back up
- 4 point, electronic controlled air bag with 4 dampers cab suspension
- Lift up front panel for eng oil, screen wash and clutch fluid check and fill
- Halogen headlamps with in cab manual level switch
- Cornering lamps
- LH exterior locker

### Cab Interior

- Fully trimmed with vinyl floor coverings and curtains
- ISRI 6860, Air seat, auto weight compensating to 150kg with intergral pre tensioner seat belt

- Fixed LH seat with manual back rest and fore/aft adjustment
- Driver side SRS including air bag
- Auto air conditioning
- Hot/cold storage box
- Radio/single CD player with seek switch and 4 speakers
- Grab handles on the A and B pillars
- LH and RH internal sun visor
- Centre storage compartment areas
- 2 overhead lockers and CB compatible compartment
- Power windows
- 12v/100w accessory outlet
- Interior light and fluorescent light

### Instrument and Controls

- Electronic Speedometer with odometer, 2 trip meters and electronic tachometer
- Main, primary and secondary air pressure gauges
- Fuel level and engine coolant lamp gauges
- LH combination stalk switches for: 2 spd wipers and variable intermittent settings and washers, hazzard

- lights, X-Tard
- RH combination stalk switches for: head lamps, high beam, turn signal, cruise control set, resume and cancel
- Idle speed adjustment switch
- Cruise control
- Diff lock switch with engaged light
- Warning lamps for: check engine, ABS fault, water in fuel, low air pressure (and buzzer), seat belt reminder
- Indicator lamps for: trailer non ABS, park brake on, exhaust brake, turn signal, high beam, trailer hand control on, cruise main, set
- Multi info display includes: clock, calendar, fuel consumption including: Total fuel economy and fuel consumption. Trip distance, trip fuel economy, trip fuel consumption, instant fuel consumption (displayed while moving), fuel used idling (displayed while stationary) battery voltage
- Multi info display warnings include: engine overheat, low coolant level, low oil pressure, low fuel level

### Warranty

Vehicle: 24 months/250,000km\*  
Powertrain: 36 months/250,000km\*  
Corrosion (Perforation): 36 months

\* Whichever comes first. Subject to the terms and conditions detailed in the warranty book.

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 current specification.