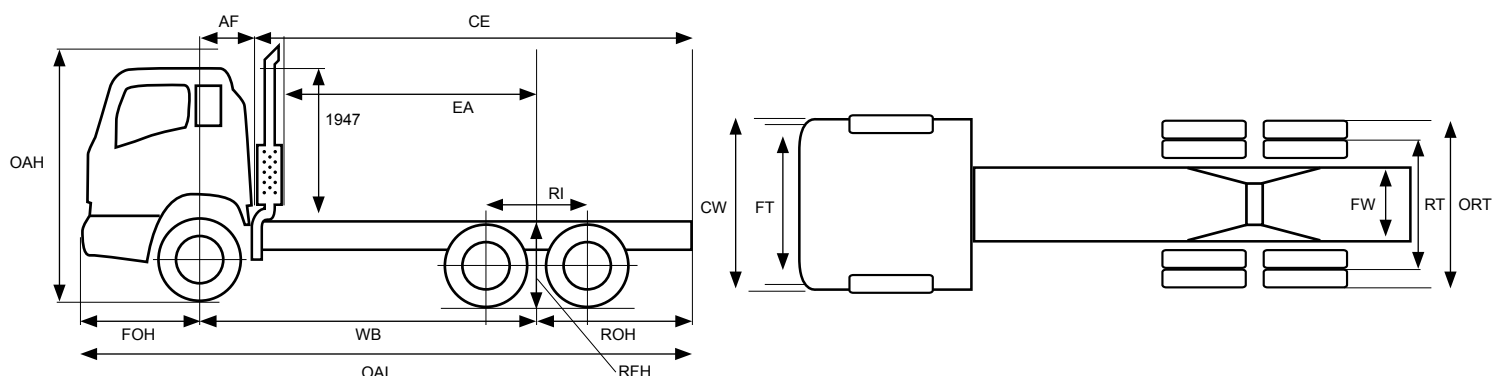


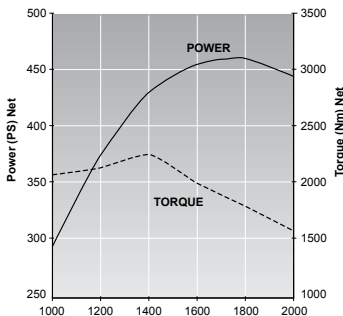
MAIN SPECIFICATIONS	
Model	CYZ460
Code	CYZ102
Configuration	6 x 4
GVM	24,000kg
GCM	55,000kg
Gradeability at GCM	47%
Estimated geared Speed	90Km/h @ 1,470 RPM
Turning circle kerb to kerb	16.1m
DRIVELINE SPECIFICATIONS	
Engine Model	6WG1-TCC
Type	6 Cylinder in-line OHC 24 valve. Denso common rail electronic controlled injection system, VGS Turbo and intercooled four stroke diesel. Japan 05 exhaust emission compliant
Displacement	15,681cc
Compression ratio	16.0:1
Power (DIN Net) @ 1,800 RPM	338 kW / 460 PS – 350 kW / 476 PS JIS Gross
Torque DIN Net) @ 1,300 RPM	2,255 NM / 1663 lb/ft – 2,334 NM / 1,721 N.M JIS Gross
Transmission Model	RTLO18918B
Forward Gears	18
KERB MASS	
Front	4,485
Rear	3,580
Total	8,065
* Estimate with coolant, oils, tools and 20L of fuel	
DIMENSIONS (mm)	
WB: Wheelbase	4,300
OAL: Overall length	7,680
CW: Cab width	2,490
OAH: Overall height	Cab 2,970 / Exhaust outlet 3,615
EA: Exhaust to rear axis	3,125 includes 411 clearance exhaust to cab
CE: Cab to rear of frame	5,516
FOH: Front overhang	1,400
ROH: Rear overhang	1,980
FT: Front track	2,010
RT: Rear track	1,850
FW: Frame width @ Rear	850
RFH: Frame height at rear axis	1,095
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-TCC

- Bore x Stroke 147mmx154mm
- Emission Std: Japan 05
- Cooled Exhaust Gas recirculation system and Diesel Particulate Difusser



### 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 42 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 18918B

- 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

- Chassis LHS mounted DPD and LH vertical muffler and outlet

### Front Axle: Meritor FG941

- Reverse Elliot "I" Beam type
- Maximum turn angle 32.2° (outside wheel)

### Rear Axle: Meritor RT46.160-GP

- Single speed tandem drive with interaxle differential lock, intergral oil pump and driver controlled cross lock for both axles
- Ratio 4.30:1
- Hypoid type ring gear, 457mm diameter
- Oil capacity (approx) F19L, R 16L

### Axle Load Summary

	Front	Rear
Axle Capacity (kg):	6,600	21,000
Spring Capacity (kg):	6,670	26,800
Tyre Capacity (kg):	6,300	23,200

## Chassis Specifications

### Front Suspension

- Alloy steel taper leaf spring (parabolic)
- Nominal size: 1,600mm x 80mm x 21-1, 24-2
- Constant kg/mm 29.4
- Hydraulic, double acting shock absorbers
- Stabiliser bar

### Rear Suspension

- Isuzu 6 rod and trunnion axle location system
- Alloy steel taper leaf spring (parabolic)
- Nominal size: 1,310mm x 90mm x 32-5
- Constant kg/mm 347.5

### Steering

- Recirculating ball steering with intergral power assistance
- Gear ratio 22.4:1
- Turns lock to lock 4.4
- 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, Q Plus 'S' cam, auto adjusting, NZ Brake Rule 32015 compliant with ABS
- Drums 419mm diameter
- Front linings 127mm wide type 24 chambers
- Rear linings 178mm wide, type 24/30 chambers
- 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

### Auxillary Retardation

- Isuzu X-Tard air controlled butterfly type exhaust brake providing up to 350ps @ 2,000rpm

### Chassis Frame

- Rolled steel, ladder type channel section with cold rivited cross members
- Side member dimensions mm 285x85x8.0
- 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 2030mm
- 385/55 or 65 22.5 tyres permitted

### Electrical System

- 24 volt negative earth system
- Alternator 50 amp
- Battery: 2 x N150 type 754CCA (-18C)

## Cabin Specifications

### Cab Exterior

- All steel cab, monoquoue construction with welded strengthening ribs and door side impact beams, standard roof height
- ECE R29 cab strength standard compliant
- 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
- Cornering lamps

### 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
- Double din, touch screen single CD AM/FM unit with Bluetooth, aux in, SD card slot, USB port, 4 speakers and option of up to 3 cameras, split screen and navigation card
- 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
- Cross lock engage switch
- Diff lock switch with engaged light
- Warning lamps for: check engine, ABS fault, water in fuel, low air pressure (and buzzer), seat belt reminder, SRS fault
- Indicator lamps for: trailer non ABS, park brake on, exhaust brake, turn signal, high beam, trailer hand control on, cruise main, set, DPD status
- 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.