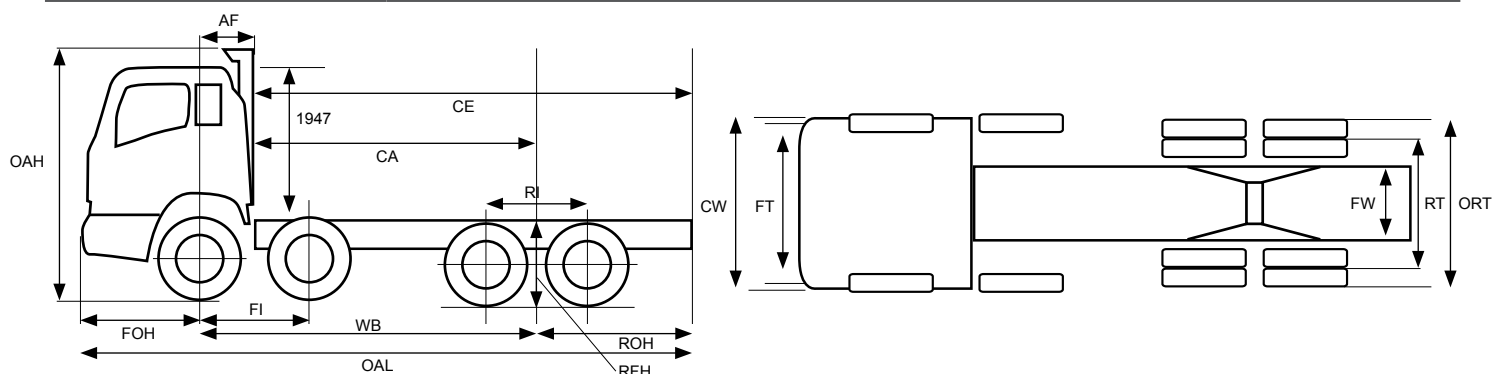


SEPTEMBER 2010

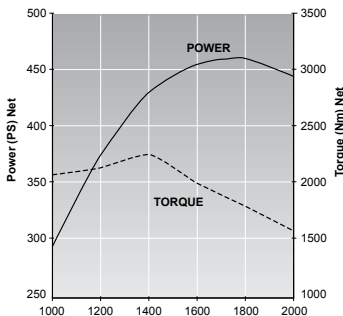
MAIN SPECIFICATIONS	
Model	CYJ460
Code	CYJ103
Configuration	8 x 4
GVM	29,000kg
GCM	55,000kg
Gradeability at GCM	48%
Estimated geared Speed	90Km/h @ 1,700 RPM
Turning circle kerb to kerb	21.4m
DRIVELINE SPECIFICATIONS	
Engine Model	6WG1-TCC
Type	6 Cylinder in-line OHC 24 valve. Denso common rail electronic 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	338kW (460PS) / 350kW (476PS JIS Gross)
Torque (DIN Net) @ 1,300 RPM	2255NM (1,662lb/ft) / 2,334NM (1,721lb/ft JIS Gross)
Transmission Model	MJX 16P. AMT
Forward Gears	16
KERB MASS	
Front	5,570
Rear	3,092
Total	8,662
* Estimate with coolant, oils, tools and 20L of fuel	
DIMENSIONS (mm)	
WB: Wheelbase	5,980
OAL: Overall length	9,610
CW: Cab width	2,490
OAH: Overall height	3,290 / Cab 2,900
CA: Cab to rear axis	5,216
CE: Cab to rear of frame	7,446
FOH: Front overhang	1,400
ROH: Rear overhang	2,230
FT: Front track	2,090
RT: Rear track	1,850
FW: Frame width @ Rear	850
RFH: Frame height at rear axis	950
AF: Front axle to rear of cab	764
FI: Front interaxle	1,850
RI: Rear interaxle	1,310
ORT: Overall rear tyres	2,475



Drive Line Specifications

Engine-ISUZU 6WG1-TCC

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



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: ISUZU MJX16 AMT

- 16 speed automated manual transmission Manual or automatic gear selection options Power and Economy shift modes
- Skip shift and shift down retarder PTO opening: LHS, Oil capacity approx 16 litres
- Gear ratios:1

1st 14.01	12th 1.75
2nd 11.34	13th 1.49
3rd 9.93	14th 1.20
4th 8.03	15th 1.00
5th 6.84	16th 0.81
6th 5.53	Reverse 1 12.58
7th 4.58	Reverse 2 10.18
8th 3.71	
9th 3.05	
10th 2.47	
11th 2.16	

Clutch

- 15.5" twin plate, with air assistance
- Optional clutch pedal operation for low speed yard manoeuvring, hitching and docking - not required for normal start/stop driving

Exhaust

- LHS chassis mounted DPD with horizontal muffler and RH outlet

Front Axle: Isuzu FO55

- Reverse Elliot "I" Beam type

Rear Axle: Isuzu RT210

- Single speed tandem drive with interaxle differential lock and intergral oil pump
- Ratio 4.10:1
- Hypoid type ring gear, 419mm diameter
- Oil capacity (approx) F18L, R 12L

Axle Load Summary

	Front	Rear
Axle Capacity (kg):	11,000	21,000
Spring Capacity (kg):	13,480	24,000
Tyre Capacity (kg):	12,600	23,200

Chassis Specifications

Front Suspension

- Alloy steel taper leaf spring (parabolic)
- F1 1600 x 80 x 3
- Constant 32.0 kg/mm
- F2 1450 x 80 x 3
- Constant 33.1 Kg/mm
- Hydraulic, double acting shock absorbers
- Stabiliser Bar F1 axle

Rear Suspension

- Isuzu 4 bag (per axle) air suspension
- Stabiliser bar on each axle
- Double acting shock absorbers per axle
- Remote hand control to raise and lower suspension for loading and coupling
- Auto return to factory set ride height at 20 Km/h
- Super Kick Drive

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 160mm wide type 20 chambers
- Rear linings 220mm wide, type 24/24 chambers
- Total lining swept area 12,606cm²
- 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 @ 2,000rpm
- Isuzu GIGA-Tard NT65, heavy duty permanent magnet drive shaft retarder providing up to 65 kgf-m silent retardation

Chassis Frame

- Rolled steel, ladder type channel section with cold rivited 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 alloy wheels 8.25" x 22.5" with 165mm offset, 10 stud, 22mm hole size and 335mm PCD
- Tyres: Front 275/70 R22.5 148/145
Rear 275/70 R22.5 148/145
- No spare wheel or tyre

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
- 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
- HID headlamps
- 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
- 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, GIGA-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.