

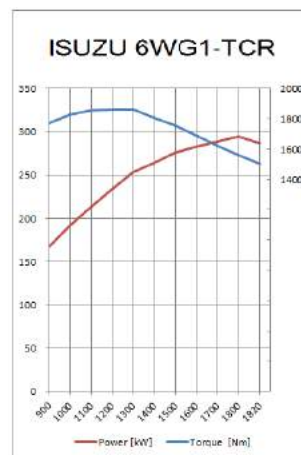


AT A GLANCE

| | |
|--|------------------|
| Configuration: | 8x4 |
| Gross Vehicle Mass: | 29 000kgs |
| Gross Combination Mass: | 55 000kgs |
| Engine Horsepower (DIN Net): | 400PS @ 1800RPM |
| Engine torque (DIN Net): | 1863Nm @ 1300RPM |
| Gradeability (GCM) %: | 45.7 |
| Estimated engine RPM @ 90km/hr: | 1595 |
| Emission Standard: | Euro 5 |

ENGINE

| | |
|---------------------------------|---|
| Engine Model: | 6WG1 - TCR |
| Type: | 6 cyl 24 valve, SOHC |
| Displacement: | 15,681cc |
| Compression Ratio: | 16.0:1 |
| Max Power (DIN Nett): | 294 kW (400 HP) @ 1800 RPM |
| Max Torque (DIN Nett): | 1863Nm (1374 lbs/ft) @ 1300 |
| Emission Control System: | Euro 5 with Diesel Oxidation Catalyst |
| Lubrication: | Pressure fed with full and partial flow cartridge filters, 32.5 litre capacity |
| Cooling System: | Vented radiator with viscous fan, gear driven pump and cooling fan remote coolant surge reservoir, system capacity approx 40 litres |
| Fuel System: | Electronically controlled Denso, high pressure common rail, pre filter with Pre-filter and water-in-fuel sensor, heavy duty fine micron main fuel filter 400 litre rectangular alloy fuel tank with lockable fuel cap |
| Air Intake System: | VGS turbo charger with air-to-air intercooler, vertical air intake behind cab |
| Exhaust System: | Isuzu box-type muffler left side with right hand horizontal muffler outlet |



TRANSMISSION

| | |
|----------------------|---|
| Make/Model | Eaton Road Ranger RTLO14918B 18 speed with multi-disc countershaft brake and oil to air cooler |
| Ratios (:1) | 1 st 14.40, 2 nd 12.29, 3 rd 8.56, 4 th 7.30, 5 th 6.05, 6 th 5.15 7 th 4.38, 8 th 3.74, 9 th 3.20, 10 th 2.73, 11 th 2.29, 12 th 1.92 13 th 1.62, 14 th 1.38, 15 th 1.17, 16 th 1.00, 17 th 0.86, 18 th 0.73 Rev L/L 15.05 L/H 12.86, H/L 4.03 H/H 3.43 |
| PTO: | Opening at bottom, 8 bolt SAE pattern, 474Nm torque capacity |
| Oil capacity: | Gearbox approx 13 litres, |
| Clutch: | Spicer EP1552 ceramic 6-button twin plate 393mm diameter Hydraulic control, air boosted |

AXLES

| | |
|----------------------|---|
| Front Axle: | Isuzu FO66 |
| Type: | Elliot reverse I-beam |
| Capacity: | 13200kgs |
| Rear Axle: | Isuzu RT210 |
| Type: | Single speed tandem drive with inter-axle diff lock Integral oil pump |
| Capacity: | 21000kgs |
| Final Drive: | Hypoid type, 445mm (17.5") diameter ring gear |
| Ratio: | 4.33:1 |
| Oil capacity: | Approx 18 litres (front), 12 litres (rear) |

CHASSIS

Front Suspension

- Alloy steel parabolic tapered leaf springs
- F1: 1600 x 80 x 21 = 1, 24 = 2, 20 = 1
- F2: 1450x80x17.5 = 1, 20.5 = 2, 16 = 1
- Spring Constant (N/mm) F1 = 350, F2 = 354
- Double acting shock absorbers

Rear Suspension

- Isuzu 6-rod and trunion axle locating system
- Alloy steel parabolic tapered leaf springs
- Nominal size 1310 x 90 x 32 = 5
- Constant 3408 N/mm

Steering

- Power assisted recirculating ball with integral power assist.
- Gear Ratio 20.2:1
- Turns lock-to-lock 4.4
- Oil system capacity approx 6 litres

Chassis Frame

- Rolled steel channel, cold riveted ladder frame
- Rail dimensions:
 - at engine/transmission 285 x 90 x 7 mm
 - behind engine/transmission 285 x 80 x 7 mm
- Rail width 950mm at engine/transmission 850mm rearwards of transmission
- HT540 weldable steel

Brakes

- Dual circuit full air, wedge type, auto adjusting with ABS NZ Brake Rule 32015 compliant
- Drums 410mm diameter
- Front linings 160mm wide, Type 24 chambers
- Rear linings 220mm wide Type 24/30 chambers
- Total lining swept area 9952 cm²
- Spring park brake acts on all rear wheels
- Twin cylinder air compressor 650cc
- Air processing unit
- Trailer brake air connection standard

Auxiliary retardation

- Isuzu X-Tard air controlled exhaust brake
- Provides up to 350HP (PS) retardation
- Isuzu Giga-Tard permanent magnet drive shaft retarder, 65kgf/m retardation (400R only)

Wheels and Tyres

- 8.25" x 22.5" 165mm offset steel wheels
- 10 stud, 22mm hole size, 335mm PCD
- Tyres 275/70R22.5 148/145 front and rear
- No spare wheel rim or tyre provided.

Electrical

- 24 volt negative earth system
- 60 amp alternator
- Batteries - 2 x N120, 610 CCA @ 18°C

CAB AND INTERIOR

CAB EXTERIOR

- All steel construction, standard roof, high tensile steel on under-frame with side impact beam reinforcement
- Cab strength equivalent to ECE-R29
- Power cab tilt to 48° with manual hydraulic back-up
- 4 point electronically controlled air bag cab suspension with four dampers
- Enclosed non-slip cab entry steps x 3, lamp on driver's side
- Lift-up front panel for engine oil, screen washer and clutch fluid check and refill points with inspection lamp
- Door mounted 22" heated power main and convex mirrors
- LH side kerb and front under-view mirrors
- External-access equipment locker on left side of cab
- Steel front bumper, integral indicators, radiator guard
- Halogen multi-reflector headlamps, integral fog lamps
- Additional door-mounted turn signal indicators
- Roof-mounted outline marker lamps
- Combined brake/turn/reverse/outline marker lamps
- Registration plate lamps, extended wiring harness
- Reverse alarm buzzer standard
- Two front-mounted roof grips on front of cab

CAB INTERIOR

- Driver's seat - ISRI 6860 air suspended, pneumatic lumbar support, height, rake, auto weight adjustment seat for occupant mass up to 150kg

CAB INTERIOR (continued)

- Front passenger adjustable bucket seat
- 3-point ELR seatbelts on both seat positions, driver's seat fitted with pre-tensioner integral to the seat
- SRS including air bag on driver's seat
- Lined interior, padded roof lining and vinyl floor covers
- Two overhead storage lockers with CB compatible slot
- Height/reach adjustable steering column, soft-feel urethane steering wheel
- Electric windows
- Fully integrated air conditioning
- Central locking with keyless entry and engine immobiliser
- 2 x 12V 100W accessory power outlets and 24V cigarette lighter
- Door mounted storage pockets, LH and RH glove boxes
- Centre console with storage locker, fold-over storage tray and two storage ports/cup holders
- MultiMedia radio/CD/DVD/MP3/WMA Player with 6.2" Touch Screen, Bluetooth, voice dialing, text to speech, SD and USB inputs, on-board recordable memory, optional external cameras with up to 4-way screen, GPS navigation and many other options
- Full all-round curtains – no partition curtain for sleeper area
- Fluorescent interior lamp and standard dome light

Instruments and Controls

- Speedometer with digital odometer and two trip meters and electronic tachometer
- Engine coolant temperature, fuel and dual brake air pressure gauges
- Two-speed wipers with intermittent wipe
- Key operated engine start, stop, steering lock
- Differential cross-lock engage
- Idle speed adjustment switch
- **LH combination stalk:** windscreen wipers/wash control, hazard lamps, X-Tard exhaust brake
- **RH combination stalk:** Indicators, lights & fog lamp switch, headlamp dip switch, cruise control set/resume/cancel
- **Warning lamps:** Check engine, oil pressure, ABS fault, SRS, alternator charge, service brake, park brake on, seat belt, low air pressure (with buzzer), water-in-fuel, low fuel level, seat belt reminder
- **Indicator lamps for:** Trailer non-ABS, park brake on, turn signal, high beam, trailer hand control on, cruise control main/set, cab lock
- **Multi Display provides:** Clock, calendar, fuel consumption data including total economy and fuel consumption, trip distance, trip economy and fuel consumption (when moving), Idle consumption (when stationary), battery voltage.
- Multi info display warnings include: Engine overheat, low coolant level, low oil pressure, low fuel level.

Please refer to Owners and Drivers manual for more detailed operation, driving instruction and warnings

WEIGHTS (kgs)

| Model Code | MODELS | RATINGS * | | LOADING LIMITS (at ground)* | | CHASSIS CAB TARE MASS ** | | |
|------------|---------|-----------|--------|-----------------------------|-------|--------------------------|------|-------|
| | | GVM | GCM | FRONT *** | REAR | FRONT | REAR | TOTAL |
| CYH0215 | CYH400R | 29 000 | 55 000 | 11000 | 15000 | 5845 | 3515 | 9360 |

* Vehicle ratings and front and rear mass limits are subject to regulatory requirements – Consult your dealer to select a specific vehicle to suit your requirements

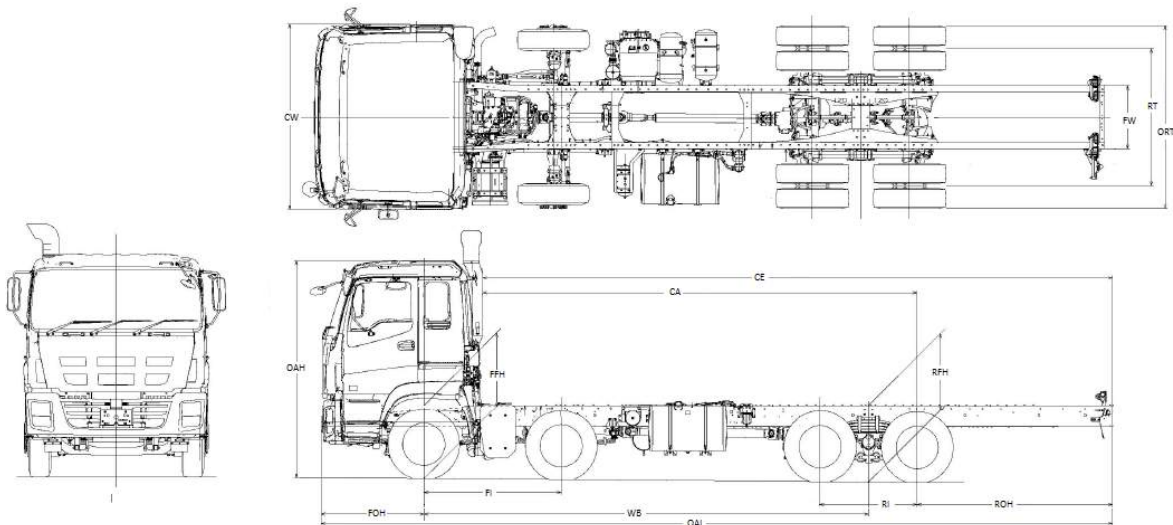
** Chassis cab as supplied from the factory including Full tank of fuel, spare wheel (not supplied) and required tools

*** Limited by tyres – no mass advantage is gained from fitting super single tyres – if required for flotation, please consult your dealer for more details

DIMENSIONS (mm)

| Models | WB | OAL | OAH * | FOH | ROH | CA | FI | RI | CE | RT | ORT | FW | RFH * | FFH* | CW | Kerb to Kerb (m) |
|----------|------|-------|-------|------|------|------|------|------|------|------|------|-----|-------|------|------|------------------|
| CYH400 R | 5980 | 10665 | 2920 | 1400 | 3285 | 5190 | 1850 | 1310 | 8476 | 1850 | 2480 | 850 | 1056 | 1050 | 2490 | 21.4 |

* Unladen condition



WARRANTY

Vehicle: 36 months or 250,000 kilometres whichever occurs first

All warranty is subject to terms and conditions as detailed in the Owner's Service and Warranty Supplement

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

Images of vehicles are representative only and may differ slightly from the actual vehicle