

Model	CYH400
GCM (kg)	55,000
GVM (kg)	30,000
Max Power (kW)	294
Max Torque (Nm)	1863
Wheelbase (mm)	5980
Cab	Low
Suspension	Steel



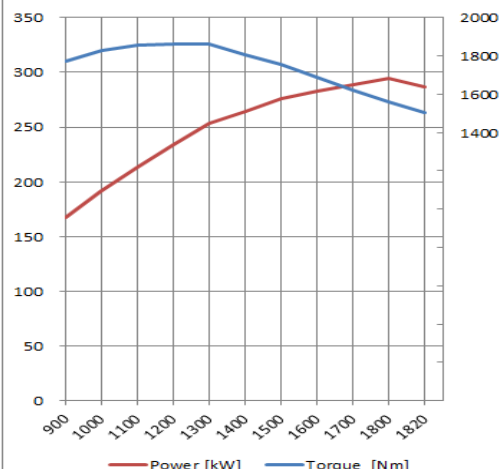
ENGINE

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
Fuel System:	Electronically controlled Denso Direct Injection, high pressure common rail, 400 litre rectangular alloy fuel tank with lockable fuel cap.
Intake/Exhaust:	Turbocharged, intercooled, vertical intake, horizontal outlet

PERFORMANCE

- 1st Gear Gradeability @GVM: 45.7% - Est Engine RPM @90km/h : 1595

ISUZU 6WG1-TCR



TRANSMISSION

Manual Ratios (:1)	Eaton Road Ranger RTLO18918-B 18 speed 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
PTO:	Reverse: L/L 15.05 L/H 12.86, H/L 4.03 H/H 3.43 Opening at bottom, 8 bolt SAE, 474Nm torque capacity
Clutch:	Spicer EP1552 ceramic 6-button twin plate 393mm diameter

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

CHASSIS

Front Suspension

- Alloy steel tapered parabolic leaf springs
- Double acting shock absorbers

Rear Suspension

- Isuzu 6-rod and trunnion axle locating system
- Alloy steel parabolic tapered leaf springs

Electrical

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

Steering

- Power assisted recirculating ball with integral power assistance. Gear Ratio 20.2:1,
- Turns lock to lock 4.4

Brakes

- Dual circuit full air, ABS.
- Drums 410mm diameter
- Front linings 160mm wide, Type 24 chambers
- Rear linings 220mm wide Type 24/30 chambers
- Twin cylinder air compressor 650cc
- Trailer brake hand control with limited travel

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

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

CAB AND INTERIOR

CAB EXTERIOR

- All steel construction, standard roof, high tensile steel on under-frame with side impact beam reinforcement
- Power cab tilt to 48° with manual hydraulic back-up
- 4 point electronically controlled air bag cab suspension with four dampers
- 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
- Electric windows
- Fully integrated air conditioning
- Central locking, keyless entry & engine immobiliser
- 12V 100W accessory power outlet and cigarette lighter
- 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 with partition curtain for sleeper area

Instruments and Controls

- Speedometer with digital odometer and two trip meters and electronic tachometer
- Engine coolant temperature, fuel & brake air gauges
- Two-speed wipers with intermittent wipe
- Differential cross-lock engage
- Idle speed adjustment switch
- Combination stalks: windscreen wipers/wash control, hazard lamps, Indicators, lights & fog lamp switch, headlamp dip switch, cruise control.
- 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.

WEIGHTS (kgs)

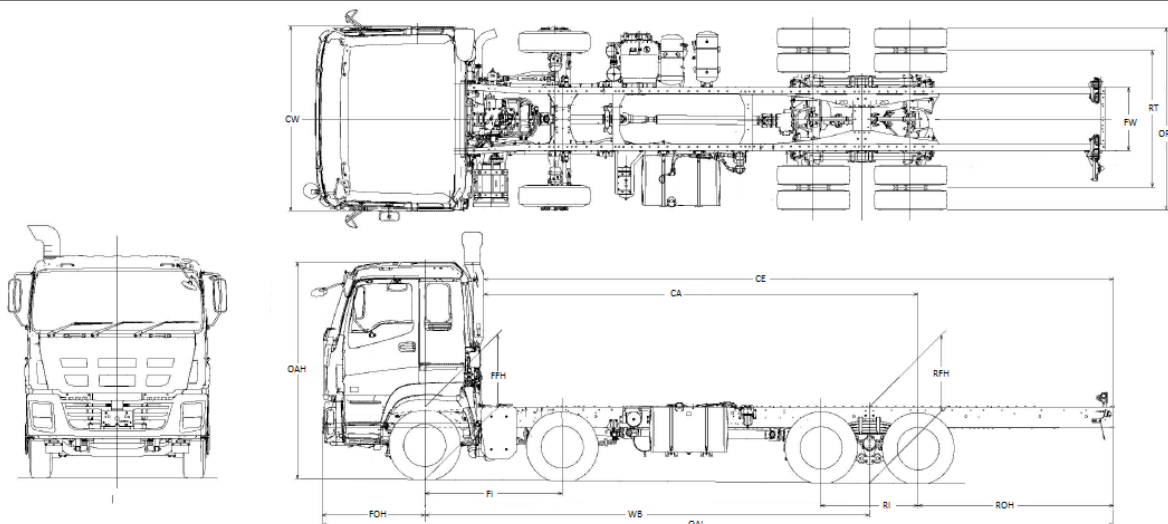
Model Code	MODELS	RATINGS *		LOADING LIMITS (at ground)*		CHASSIS CAB TARE MASS **		
		GVM	GCM	FRONT ***	REAR	FRONT	REAR	TOTAL
CYH0115	CYH400	30 000	55 000	10800	15000	5845	3450	9295

* 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 10 litres of fuel

DIMENSIONS (mm)

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

* Unladen condition



WARRANTY

Full vehicle warranty: 36 months or 250,000 kilometres whichever occurs first

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

A policy of continuous improvement means that these specifications are subject to change without notice. Contact your Isuzu dealer or visit our website at Isuzu.co.nz to confirm specifications. Images of vehicles are representative only and may differ slightly from the actual vehicle