

8X4 CYH400

Model	CYH400				
GCM (kg)	55,000				
GVM (kg)	29,000				
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 Euro 5 with Diesel Oxidation Catalyst **Emission Control System:**

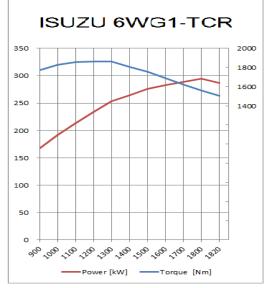
Fuel System: Electronically controlled Denso Direct Injection, high pressure

common rail, 400 litre rectangular alloy fuel tank with lockable fuel

Intake/Exhaust: Turbocharged, intercooled, vertical intake, horizontal outlet

PERFORMANCE

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



TRANSMISSION

Eaton Road Ranger RTLO16918-B 18 speed Manual

Ratios (:1) 1st 14.40, 2nd 12.29, 3rd 8.56, 4th 7.30, 5th 6.05, 6th 5.15 7th 4.38, 8th 3.74, 9th 3.20, 10th 2.73, 11th 2.29,

12th 1.92 13th 1.62, 14th 1.38. 15th 1.17, 16th 1.00,

17th 0.86, 18th 0.73

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

Spicer EP1552 ceramic 6-button twin plate 393mm Clutch:

diameter

AXLES

Front Axle: Isuzu FO66

Elliot reverse I-beam Type:

13200kgs Capacity:

Rear Axle: Isuzu RT210

Single speed tandem drive with inter-axle diff lock Type:

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

PTO:

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

- 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 HT540 weldable steel

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

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



CYH40

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

10665

CAB INTERIOR (continued)

- Front passenger adjustable bucket seat
- 3-point ELR seatbelts on both seat positions, driver's trip meters and electronic tachometer 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
- slot
- · Height/reach adjustable steering column
- · Electric windows
- Fully integrated air conditioning
- 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
 Multi Display provides: Clock, calendar, fuel speech, SD and USB inputs, on-board recordable memory, optional external cameras with up to 4way screen, GPS navigation and many other options (when stationary), battery voltage.
- Full all-round curtains with partition curtain for sleeper area

Instruments and Controls

- Speedometer with digital odometer and two
- Engine coolant temperature, fuel & brake air gauges
- Two-speed wipers with intermittent wipe
- Differential cross-lock engage
- Idle speed adjustment switch
- Two overhead storage lockers with CB compatible 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 • Central locking, keyless entry & engine immobiliser 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
 - 6.2" Touch Screen, Bluetooth, voice dialing, text to consumption data including total economy and fuel consumption, trip distance, trip economy and fuel consumption (when moving), Idle consumption
 - Multi info display warnings include: Engine overheat, low coolant level, low oil pressure, low fuel level.

CW

2490

Kerb to Kerb (m)

21.4

WEIGHTS (kgs)

Model	MODELS	RATINGS *		LOADING LIMI	TS (at ground)*	CHASSIS CAB TARE MASS **			
Code		GVM	GCM	FRONT ***	REAR	FRONT	REAR	TOTAL	
CYH0115	CYH400	30 000	55 000	11000	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

1310

8476

1850

Chassis cab as supplied from the factory including 10 litres of fuel

1400

2920

3285

5190

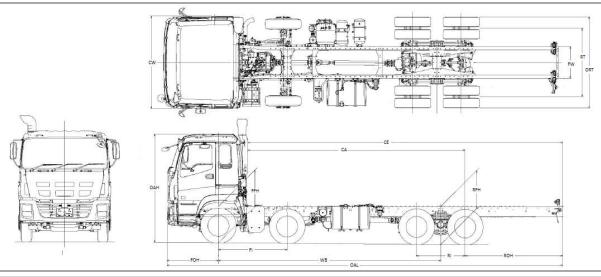
DIMENSIONS (mm)														
W/B	ΩΔΙ	OAH*	FOH	ROH	СА	FI	RI	CF	RT	ORT	F\M/	RFH *	FFH*	

1850

5980 Unladen condition

CYH400

Models



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