

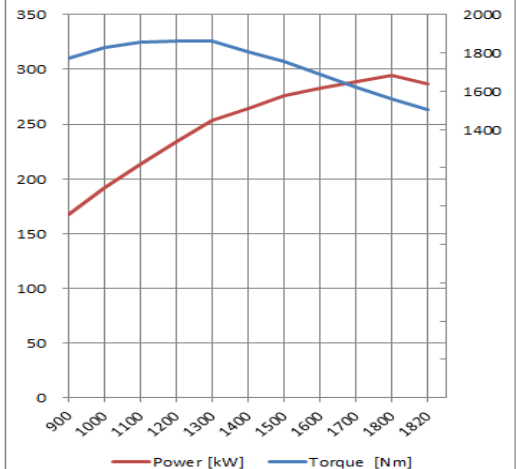
Model	CYH400
GCM (kg)	55,000
GVM (kg)	29,000
Max Power (kW)	294
Max Torque (Nm)	1863
Wheelbase (mm)	5980
Cab	Low
Suspension	Steel



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
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

ISUZU 6WG1-TCR



PERFORMANCE

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

TRANSMISSION

Manual Ratios (:1)	Eaton Road Ranger RTLO16918-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

