

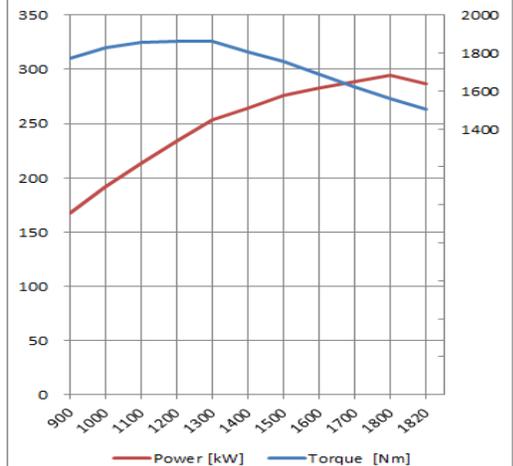
Model	CYZ400
GCM (kg)	50,000
GVM (kg)	24,000
Max Power (kW)	294
Max Torque (Nm)	1863
Wheelbase (mm)	4300
Cab	Low
Suspension	Steel



ENGINE

Engine Model:	6WG1 - TCR
Type:	6 cylinder 24 valve, SOHC
Displacement:	15,681cc
Compression Ratio:	16.0:1
Max Power (DIN Net):	294 kW (400 HP) @ 1800 RPM
Max Torque (DIN Net):	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:	Vertical Air intake behind cab, vertical exhaust outlet.

ISUZU 6WG1-TCR



PERFORMANCE

- 1st Gear Gradeability @GVM: 47% - Est Engine RPM @90km/h : 1456

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

AXLES

Front Axle:	Isuzu FO75
Type:	Elliot reverse I-beam
Capacity:	7500kgs
Rear Axle:	Isuzu RT210
Type:	Single speed tandem drive with inter-axle diff lock Integral oil pump
Capacity:	21000kgs
Final Drive:	Hypoid type, 445mm diameter ring gear

CHASSIS

Front Suspension

- Alloy steel tapered parabolic leaf springs
- Double acting shock absorbers with stabiliser bar on F1

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

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

Auxiliary retardation

- Isuzu X-Tard air controlled exhaust brake
- Provides up to 350HP (PS) retardation

Chassis Frame

- Rolled steel channel, cold riveted ladder frame
Rail dimensions 318 x 90 x 7 mm
- HT540 weldable steel
- 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
- 11.75 x 22.5 wheel rims permitted
- Tyres 11.00R22.5 148/145 Bridgestone
- 385/55 or 385/65 R 22.5 tyres permitted
- Front track not to exceed 2150mm

