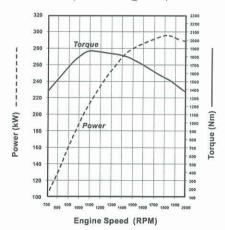
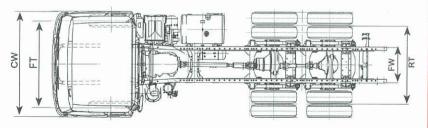
ISUZU

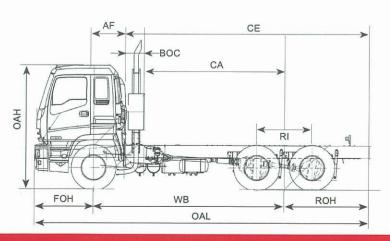
CXY400 6 x 4



6WF1-TC Euro 3 Power 297kW @ 1800rpm Torque 1877 Nm @ 1100rpm







MAIN SF	PECIFICATIONS		
Model	CXY400		
Code	CXY04		
Configuration	6 × 4		
GVM	24,000kg		
GCM	57,000kg		
Gradeability at 44,000	55.92%		
Estimated geared Speed	100km/h @ 1,620 rpm		
Turning circle kerb to kerb	16.5m		
DRIVELINE	SPECIFICATIONS		
Engine Model	6WF1-TCC (EURO 3)		
Туре	6 Cylinder in-line OHC electronic controlled injection system turbo and intercooler		
Displacement	14,256cc		
Compression ratio	16 :1		
Power (JIS Gross)	297 kW (400PS) @1800rpm		
Torque (JIS Gross)	1877 Nm(1384 lb ft) @1100rpm		
Transmission Model	RTLO16918		
Forward Gears	18		
KEF	RB MASS*		
Front	4270 kg		
Rear	3335 kg		
Total	7605 kg		
*Estimate with coolant, oils, spa	re, tools & 20L of fuel.		
DIMEN	ISIONS (mm)		
WB - Wheelbase	4500		
OAL - Overall length	7900		
CW - Cab width	2490		
OAH - Overall height	2970		
CA - Cab to rear axle	3315		
CE - Cab to rear of frame	5845		
FOH - Front overhang	1400		
ROH - Rear overhang	2000		
FT - Front track	2065		
RT - Rear track	1855		
FW - Frame width	850		
Chassis height at rear axle	1040		
BOC - Back of Cab	530		
RI - Rear interaxle	1310		
AF - Front axle to rear cab	655		





Driveline Specifications

ENGINE ISUZU 6WF1-TC EURO 3

LUBRICATION

- Pressure feed lubrication with full flow/partial flow cartridge filters
- Oil capacity: 31.5 litres

COOLING SYSTEM

- Water thermostatically controlled with pressure vented radiator
- Remote mounted coolant surge tank, gear driven pump and 640mm dia. cooling fan
- · Temperature modulated viscous hub fan clutch
- Coolant capacity: 50 litres

FUEL SYSTEM

- Zexel in-line fuel injection pump HD-TICS electronic control
- · Heavy duty main fuel filter and sedimentor
- Cab concealed, heavy duty, horizontal mounted dual element air filter with side entry intake
- · 400 Litre rectangular alloy fuel tank
- · Speed limited to 100kmph
- Cruise control with resume function 40-100kmph range.

CLUTCH

 Spicer EP1552 model, ceramic 6 button twin plate with angle spring hydraulic, control air assisted 390 mm diameter

TRANSMISSION RTLO 16918B

· Eaton 18 speed with clutch brake and oil cooler

Bottom - heavy duty SAE

PTO Openings: RH side - regular duty SAE

Gear Ratios:

1 St	14.40	12 th	1.95	
2 nd	12.29	13 th	1.62	
3rd	8.56	14 th	1.38	
4 th	7.30	15 th	1.17	
5 th	6.05	16 th	1.00	
6 th	5.15	17 th	0.86	
7 th	4.38	18 th	0.73	
8 th	3.74	Reverse1	13.22	
9 th	3.20	Reverse2	3.50	
10 th	2.73	Reverse3	2.99	
11th	2 20			

EXHAUST

- Vertical muffler with bright perforated heat shield on Left hand side
- Isuzu X -Tard, electric/air operated exhaust brake

FRONT AXLE - CAPACITY 6,400KG

- Reverse Elliot "I" beam
- Meritor FG941

REAR AXLE - CAPACITY 21,000KG

- Meritor RT46-160GP
- Single speed tandem drive with interaxle differential lock.
- Cross locks on both rear axles
- Hypoid type ring gear 457 mm diameter
- Ratio: 4.330

Warranty

Vehicle: 24 months/250,000km* Powertrain: 36 months/250,000km* Corrosion (Perforation): 36 months

*Which ever comes first. Subject to the terms and conditions detailed in the warranty book.

Chassis Specifications

FRONT SUSPENSION

- Alloy taper leaf parabolic springs 1800 x 79 x 4 leaves
- Stabiliser bar with double acting shock absorbers
- · Spring capacity (at ground): 6,740kg

REAR SUSPENSION

- · Hendrickson HAS461 heavy duty air suspension
- Spring capacity (at ground): 20,865kg
- · Double acting shock absorbers
- Dual height control valves
- In cab height raise/lower control for ease of hitching and unhitching trailers

STEERING

- Recirculating ball steering with integral power assistance.
- Gear ratio: 22.4:1
- · Leather wrapped steering wheel 480mm diameter
- Tilt telescopic steering column adjustable for height and angle

BRAKES

- Meritor "Q" plus
- Full air "S" cam brakes with automatic slack adjusters on all axles to NZHVBC compliance
- Drum Dimensions:
 Front 419mm dia x 127mm wide
 Rear 419mm dia x 178mm wide
- · Total lining area: 7,702 sq cm
- Air compressor output 0.52cu M/min at 2000 engine rpm
- Spring park brake acting on rear wheels
- Trailer brake equipment with hand operated control
- · Air dryer desiccant type
- Alloy air tanks
- ABS optional.

RETARDATION

Isuzu X-Tard

 Air Controlled, butterfly type exhaust brake providing up to 300hp retardation @ 2000rpm

CHASSIS FRAME

- Rolled steel, ladder type channel section with cold riveted crossmembers
- · Side member dimensions: 285 x 85 x 7mm
- Inner frame reinforcements around suspension attachment points
- Width across frame 850mm
- Material: HT540 steel
 (Please refer to the ISUZU body builders manual for chassis modifications and body fitment)

WHEELS & TYRES

Wheels:

One piece steel rim 8.25 x 22.5 with 165mm offset, 10 stud, 22mm bolt size

Tyres:

- Steer 295/80R 22.5, radial tubeless
- · Drive 11R 22.5, radial tubeless

ELECTRICAL SYSTEM

- 24 volt negative earth system
- Battery: 2x12 volt, 150 amp/hour
- Alternator: 24 volt, 60Amp



Cabin Specifications

CAB EXTERIOR

- Forward control, monocoque construction, cab over engine with welded strengthening ribs and side door impact beams.
- · Large alloy non skid entry step
- · Heated exterior mirrors, door mounted
- Air bag cab suspension with 4 shock absorbers and stabilising bar
- · Cab is power assisted tiltable
- Access to engine fluid check/filler washer and clutch fluid, through lift up front panel
- · Rectangular halogen headlamps
- Hella fog lights integrated into bumper air dam.

CAB INTERIOR

- · Delux trim with sound insulation
- Vinyl floor coverings
- Isringhausen 6800 series driver's air suspended seat with pneumatic lumbar support, and auto weight adjustment to 130kg
- Vinyl covered foam mattress across cab behind seating
- High back reclining passenger seat
- Large centre storage area and compartments
- Hot/cool storage box
- · Fresh air heater / demister
- · Air conditioning standard
- AM/FM tuner with CD Player, clock and drivers seek switch
- Seatbelts
- Power windows
- Ashtray both doors
- · Cigarette lighter
- Central locking
- Driver's foot rest
- Remote keyless entry
- 12v accessory outletWoodgrain dash panel
- Interior light multi lamp (fluorescent)
- 2 overhead lockers and CB compartment
- Hand tools and 15,000kg jack

INSTRUMENTS & CONTROLS

- Gauges: Electronic speedometer with odometer, electronic tachometer, dual air pressure, fuel level,
- temperature, oil pressure and voltage.

 Warning lamps: Battery charge, air cleaner, engine overheat, engine over run, low coolant level, low air pressure, oil pressure, stop/tail light
- Indicator lamps: turn signal, high beam, diff lock, parking brake, exhaust brake, and service engine
- Rear lights: combination tail, stop and turn signal with reflector lenses, reverse light and warning buzzer
- LH combination stalk switch for windscreen wipers and washer, X-Tard, hazard flasher
- RH combination stalk switch for headlamps, dip/high beam, fog lamps, turn signals, and cruise control functions
- Engine idle fast control

Key operation for engine stop/start

A policy of continual improvement means that the specifications are subject to change without notice. Contact your Isuzu Dealer to confirm current specification,

CVO294 NOV 2006



