GIGASERIES





WEIGHT RATINGS

GVM

GCM

24,000 kg 50,000 kg ENGINE

POWER 309 kW (420PS) @ 1,800 rpm (DIN NET)
TORQUE 1,863 Nm @ 770 ·1,300 rpm (DIN NET)

TRANSMISSION

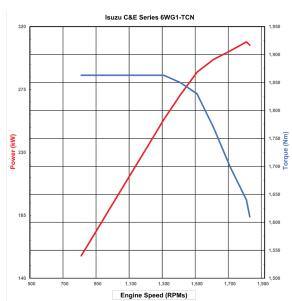
18 speed manual transmission (MT)
16 speed automated manual transmission (AMT)

* Refer to back page for detailed weight rating information

INTELLIGENT SAFETY			
	Advanced Emergency Brake System	(AEB)	
	Adaptive Cruise Control (AMT only)	(ACC)	
	Adaptive Driving Beam headlights	(ADB)	
	Anti Skid Regulator	(ASR)	
	Anti Lock Braking System	(ABS)	
	Automatic Lighting System	(ALS)	
ACTIVE SAFETY ADVANCED DRIVER	Distance Warning System	(DWS)	
ASSISTANCE SYSTEMS (ADAS)	Electronic Brake System	(EBS)	
	Electronic Stability Control	(ESC)	
	Forward Collision Warning	(FCW)	
	Hill Start Aid	(HSA)	
	Lane Departure Warning	(LDW)	
	Traffic Movement Warning	(TMW)	
	Vehicle Assistance Technology	(VAT)	
PASSIVE SAFETY CABIN OCCUPANT SAFETY SYSTEMS (COSS)	Drivers side airbag & seatbelt pretensioner, multi-function steering wheel controls, Internally reinforced doors		

ISUZU WARRANTY COVER		
WARRANTY 5 Year / 500,000 km Warranty#		

ENGINE		
DESCRIPTION	Isuzu 6WG1 - TCN	
TYPE	6 cylinder 24 valve SOHC	
DISPLACEMENT	15,681 cc	
BORE X STROKE	147mm x 154mm	
POWER	309 kW (420PS) @ 1,800 rpm (DIN NET)	
TORQUE	1,863 Nm @ 770 -1,300 rpm (DIN NET)	
INDUCTION	Electronically controlled variable nozzle turbocharger with air-to-air intercooler	
FUEL INJECTION	Direct injection high pressure common rail	
EMISSION CONTROL	Selective Catalytic Reduction (SCR). Euro V compliant	



сьитсн		
мт	Type: Eaton twin plate with clutch brake	
MI	Clutch Plate Diameter: 394mm (15.5")	
Type: Diaphragm twin plate pull type		
AMT	Clutch Plate Diameter: 394mm (15.5")	

Description: Eaton RTL018918B Type: 18 speed manual constant mesh	TO A NOW LOCK ON							
Type: 18 speed manual constant mesh Ratios: 1ST	TRANSMISSION							
Ratios: 1ST 2ND 3RD 4TH 5TH 6TH 7TH 14.40 12.29 8.56 7.30 6.05 5.15 4.38 MT 8TH 9TH 10TH 11TH 12TH 13TH 14TH 3.74 3.20 2.73 2.29 1.92 1.62 1.38 15TH 16TH 17TH 18TH 1.17 1.00 0.86 0.73 Reverse: L/L 15.05, L/H 12.86, H/L 4.03, H/H 3.43 Power Take Off facility: Provision on bottom & RHS transmission case Description: Isuzu MJX16 Type: 16 speed Automated Manual synchromesh Ratios: 1ST 2ND 3RD 4TH 5TH 6TH 7TH 14.01 11.34 9.93 8.03 6.84 5.53 4.58 8TH 9TH 10TH 11TH 12TH 13TH 14TH 3.71 3.05 2.47 2.16 1.75 1.49 1.20 15TH 16TH REV1 REV2 1.00 0.81 12.58 10.18 Power Take Off facility: Provision on LHS of transmission		Description: Eaton RTL018918B						
1ST 2ND 3RD 4TH 5TH 6TH 7TH 14.40 12.29 8.56 7.30 6.05 5.15 4.38		Type: 18 speed manual constant mesh						
### According to the image of t		Ratios	:					
### A		1ST	2ND	3RD	4TH	5TH	6TH	7TH
3.74 3.20 2.73 2.29 1.92 1.62 1.38		14.40	12.29	8.56	7.30	6.05	5.15	4.38
### Page 18	МТ	8TH	9TH	10TH	11TH	12TH	13TH	14TH
1.17		3.74	3.20	2.73	2.29	1.92	1.62	1.38
Reverse: L/L 15.05, L/H 12.86, H/L 4.03, H/H 3.43 Power Take Off facility: Provision on bottom & RHS transmission case Description: Isuzu MJX16 Type: 16 speed Automated Manual synchromesh Ratios: 1ST 2ND 3RD 4TH 5TH 6TH 7TH 14.01 11.34 9.93 8.03 6.84 5.53 4.58 8TH 9TH 10TH 11TH 12TH 13TH 14TH 3.71 3.05 2.47 2.16 1.75 1.49 1.20 15TH 16TH REV1 REV2 1.00 0.81 12.58 10.18 Power Take Off facility: Provision on LHS of transmission		15TH	16TH	17TH	18TH			
### Pressure Provision Pro		1.17	1.00	0.86	0.73			
### Part		Revers	se: L/L 15	5.05, L/H	12.86, H/	L 4.03, H	/H 3.43	
### Page: 16 speed Automated Manual synchromesh Ratios:				_	: Provisio	n on botto	om & RHS	
Ratios: 1ST 2ND 3RD 4TH 5TH 6TH 7TH 14.01 11.34 9.93 8.03 6.84 5.53 4.58 8TH 9TH 10TH 11TH 12TH 13TH 14TH 3.71 3.05 2.47 2.16 1.75 1.49 1.20 15TH 16TH REV1 REV2 1.00 0.81 12.58 10.18 Power Take Off facility: Provision on LHS of transmission		Descri	ption: Iso	ızu MJX1	6			
AMT 1ST 2ND 3RD 4TH 5TH 6TH 7TH 14.01 11.34 9.93 8.03 6.84 5.53 4.58 8TH 9TH 10TH 11TH 12TH 13TH 14TH 3.71 3.05 2.47 2.16 1.75 1.49 1.20 15TH 16TH REV1 REV2 1.00 0.81 12.58 10.18 Power Take Off facility: Provision on LHS of transmission		Type: 1	16 speed	Automat	ed Manua	al synchro	mesh	
AMT 14.01 11.34 9.93 8.03 6.84 5.53 4.58 8TH 9TH 10TH 11TH 12TH 13TH 14TH 3.71 3.05 2.47 2.16 1.75 1.49 1.20 15TH 16TH REV1 REV2 1.00 0.81 12.58 10.18 Power Take Off facility: Provision on LHS of transmission		Ratios	:					
### AMT STH		1ST	2ND	3RD	4TH	5TH	6TH	7TH
8TH 9TH 10TH 11TH 12TH 13TH 14TH 3.71 3.05 2.47 2.16 1.75 1.49 1.20 15TH 16TH REV1 REV2 1.00 0.81 12.58 10.18 Power Take Off facility: Provision on LHS of transmission	ДМТ	14.01	11.34	9.93	8.03	6.84	5.53	4.58
15TH 16TH REV1 REV2 1.00 0.81 12.58 10.18 Power Take Off facility: Provision on LHS of transmission	Aiii	8ТН	9TH	10TH	11TH	12TH	13TH	14TH
1.00 0.81 12.58 10.18 Power Take Off facility: Provision on LHS of transmission		3.71	3.05	2.47	2.16	1.75	1.49	1.20
Power Take Off facility: Provision on LHS of transmission		15TH	16TH	REV1	REV2			
		1.00	0.81	12.58	10.18			
			Take O	ff facility	: Provisio	n on LHS	of transm	ission

AXLES		
FRONT	Description: Isuzu F075	
	Type: Reverse Elliot I-beam	
	Capacity: 7,500 kg	
REAR	Description : Isuzu RT260	
	Type : Hypoid tandem drive with inter-axle lock	
	Capacity : 26,000 kg	
	Ratio: 4.33:1	

SUSPENSION		
FRONT	Tapered parabolic leaf springs with double acting shock absorbers & stabiliser bar	
REAR	Isuzu 6 rod trunion with tapered parabolic leaf springs	

BRAKES		
	Dual circuit drum brake system featuring:	
	- Electronic Brake System (EBS)	
TYPE	- Electronic Stability Control (ESC)	
	- Hill Start Assist (HSA)	
	- Advanced Emergency Brake System (AEB)	
DIAMETER FRONT	410mm x 160mm	
DIAMETER REAR	410mm x 220mm	
PARK BRAKE	Spring operated on rear axles	
AUXILIARY BRAKE	Isuzu air operated exhaust brake	
AUAICIANI DRANC	Isuzu magnetic driveshaft retarder	

STEERING		
TYPE	Recirculating ball with integral power assistance	
WHEEL LOCK ANGLE	Inner 49° / Outer 37°	

WHEELS & TYRES		
FRONT	Wheels: 22.5" x 8.25" 165mm offset, steel disc	
	Tyres : 11R22.5 148/145	
	Max tyre rating: 6,300 kg	
REAR	Wheels: 22.5" x 8.25" 165mm offset, steel disc	
	Tyres: 11R22.5 148/145	
	Max tyre rating: 23,200 kg	

CHASSIS FRAME		
TYPE	Rolled steel channel. Cold riveted ladder frame HT540 weldable steel	
DIMENSIONS	318mm x 90mm x 7mm	

FUEL TANK & ADBLUE TANK		
TYPE Frame mounted alloy fuel tank LHS. Frame mounted AdBlue tank LHS		
CAPACITY	Diesel = 400L / AdBlue = 75L	
FUEL CAP	Lockable	

ELECTRICAL SYSTEM				
TYPE 24 volt				
ALTERNATOR	TERNATOR 60 amp			
STARTER MOTOR	24V / 7.0kW output			
BATTERY	2 x N120, (660 CCA) connected in series			



CABIN GENERAL FEATURES					
STEPS	Three heavy duty anti-slip steps				
DOORS	Drivers: 88 ° & passengers 70 ° opening internally reinforced doors				
MIRRORS	Door mounted 22" main & convex mirrors. Heated & power adjustable				
WIPERS	Two speed windscreen wipers with variable intermittent wipe mode				
EXTERIOR LIGHTING	Adaptive driving beam (ADB), LED automated headlights with wash function & automated rear LED combination lamps				
	Roof mounted clearance lamps				
	Front LED fog lamps				
AUDIBLE WARNING	Reverse alarm				
GRILLE	Painted cab colour				
SECURITY	Central locking with keyless entry and engine immobiliser				

INSTRUMENTATION				
	AEB, FCW, DWS, LDW, ADB, HSA, ACC (AMT only), TMW, EBS, ESC			
	Low fuel, water separator, low coolant,			
	AdBlue warnings, speed limit, engine overheat, ASR,			
MULTI INFORMATION DISPLAY	low voltage, charging, engine oil pressure,			
	cab tilt, low air pressure, parking brake,			
	AMT-warnings, VAT system, radar, cruise control,			
	weave warning, maintenance display, fuel economy advice			
GENERAL INSTRUMENTATION	Speedometer, Tachometer, air pressure, coolant temp & AdBlue gauges			
	Hour meter, odometer / trip meter			

CABIN INTERIOR					
	Driver : ISRINGHAUSEN 6860 with arm rest (AMT only)				
SEATING	Integrated seat-belt with pre-tensioner, shoulder adjustment, heater/ventilation, lumbar support, firmness adjustment, seat cushion tilt, lowering, horizontal position & height adjustment				
	Passenger: Fixed bucket with reclining adjustment				
SEATBELTS	3-point type on drivers & passenger seats				
STEERING COLUMN	Adjustable up/down & forward/backward tilt				
ENTRY ASSIST GRIPS	Driver & passenger large assist hand grip with a sill plate grip. Driver's step light				
DOOR WINDOWS	Electrically operated				
	Centre storage console				
STORAGE	Two overhead storage lockers				
	Dual cup holders				
POWER OUTLET	Two 5V 2.4 amp USB outlets & one 24V socket				
AIRCONDITIONING	Auto control				
INTERIOR LIGHTING	LED interior lighting				



AUDIO VISUAL UNIT						
SCREEN TYPE	6.2" LCD with capacitive touch					
OPERATING SYSTEM	Android					
RADIO	AM/FM					
INTERNAL STORAGE CAPACITY	32GB					
OTHER CAPABILITY	Provision for external camera inputs, navigation, reverse sensors and tyre pressure monitoring					

DRIVER CONTROLS					
SAFETY SYSTEMS	AEB off, LDW & ACC on/off, FCW & ACC distance setting, ESC off, head lamps, ADB & ALS on/off HSA on/off switch				
	ACC switch (AMT only)				
	HSA on/off switch				
ENGINE	Idle speed control				
	Cruise control				
TRANSMISSION (AMT)	Auto/Manual, Econo, Smart glide off, shift down retarder over ride & skip shift switches				
GENERAL CONTROLS	Exhaust brake & retarder controls, windscreen/washer switch, horn, remote mirror switches, super kick drive switch & inter-axle lock				



AMT model shown

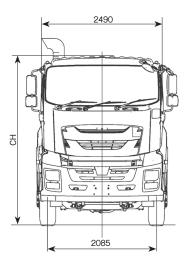


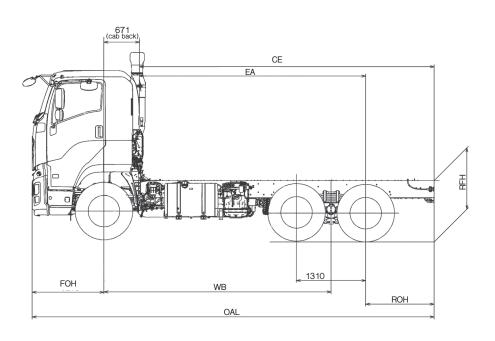
WEIGHTS (kg)							
MODELS	RATINGS*		LOADING LIMIT* (at ground)		CAB CHASSIS WEIGHT #		
MODELS	GVM	GCM	FRONT	REAR	FRONT	REAR	TOTAL
CYZ 420	24,000	50,000	6,000	15,000	4,565	3,707	8,272
CYZ 420 AMT	24,000	50,000	6,000	15,000	4,540	3,722	8,262

^{*} Vehicle ratings and axle weight limits are subject to government regulatory requirements and weight distribution analysis. Consult your Isuzu dealer to select the correct vehicle for your specific application.

[#] Cab chassis only as supplied and including 10 litres of fuel.

DIMENSIONS (mm) (m)							(m)				
MODELS	WB	OAL	FOH	ROH	EA	CE	REAR TRACK	OUTSIDE REAR TRACK	CH (calculated)	RFH (unladen)	TURNING CIRCLE kerb to kerb
CYZ 420	4,300	7,620	1,370	1,295	4,284	5,579	1,850	2,465	3,166	1,155	14
CYZ 420 AMT	4,300	7,620	1,370	1,295	4,284	5,579	1,850	2,465	3,166	1,155	14





PERFORMANCE (calculated - typical paved road)						
		GEARED SPEED* (top gear at peak power engine rpm)	LOW SPEED GRADEABILITY (lowest forward gear assuming no wheel slip)	ENGINE SPEED (top gear at 90 km/h)		
CYZ 420	At 24,000 kg GVM	111 km/h @ 1,800 rpm	44%	1,436 rpm		
CYZ 420 AMT	At 24,000 kg GVM	100 km/h @ 1,800 rpm	46%	1,591 rpm		

^{*} Maximum speed achievable depends on vehicle frontal area as well as other factors. Consult your Isuzu dealer for more detailed information.

ORDER CODES	
MODELS	CODES
CYZ 420	CZ0113
CYZ 420 AMT	CZ0122

#Total 5 Year Warranty, including Base Warranty (36 months / 250,000kms) and Additional Warranty (24 months / 250,000kms), cover is 60 months or 500,000kms, whichever comes first. To qualify for Additional Warranty, all scheduled servicing during the Base and Additional Warranty periods (ie. the total 60 months) must be performed by an authorised Isuzu service dealer from the date of delivery to the first customer. If scheduled servicing is performed by unauthorized service providers, only the Base Warranty will apply.

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