



QUON 11-Litre

CG 32 390 | CG 32 420

8x4



SPECIFICATIONS

Power:	GH11TB - 287 kW (390 PS) @ 1600 rpm GH11TC - 309 kW (420 PS) @ 1600 rpm
Torque:	GH11TB - 1750 Nm (1290 lb.ft) @ 900 rpm GH11TC - 1900 Nm (1401 lb.ft) @ 950 rpm
Transmission:	ESCOT-VI automated manual transmission (AMT)
Rear Suspension:	Leaf spring or electronically controlled air suspension
Wheelbase:	Refer weights and dimensions table
GVM:	32,000 kg
GCM:	50,000 kg (390hp) 55,000 kg (420hp)

Note: CG 32 420 shown may not be representative of actual vehicle.

QUON UNIQUE FEATURES



SMART FUEL EFFICIENCY AND RESPECT FOR THE ENVIRONMENT

GH11 engine: fuel efficient, powerful and clean.



SMART UPTIME

Quon has been designed to further optimise uptime, with superior reliability and increased maintenance intervals.



SMART SAFETY

Active safety with mechanical and electronic features throughout.



SMART PRODUCTIVITY

Light weight chassis helping to maximise payload.



SMART DRIVABILITY

The cabin has been designed with the user's comfort in mind, with outstanding ergonomics and visibility allowing the driver to concentrate on driving.

GENERAL SPECIFICATIONS

SAFETY

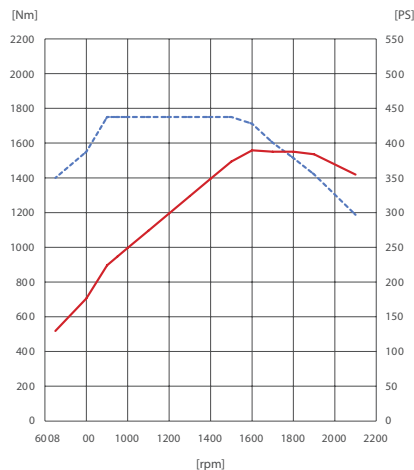
Passive Safety:	Highly rigid cabin Side door beams Front underrun protection system (FUPS) SRS driver steering wheel airbag Driver side seat belt with pre-tensioner Steering wheel & column with impact absorption function
Active Safety:	Traffic Eye Brake System Traffic Eye Cruise Control LDWS (Lane Departure Warning System) Electronic Stability Control (UDSC) Automatic Hill Start Assist (HSA)
Basic Safety:	LED Headlamps Disc brakes Anti Locking Brake System Emergency Braking System UD Extra Engine Braking (UD EEB) Safe Brake Blending Immobiliser Two-step entry & exit

ENGINE

Model:	GH11TB GH11TC
Description:	6 cylinder, 4 stroke diesel engine
Displacement:	10,837 cc
Bore x stroke:	123 mm x 152 mm
Compression ratio:	17.5:1
Max. governed engine speed:	2,100 rpm

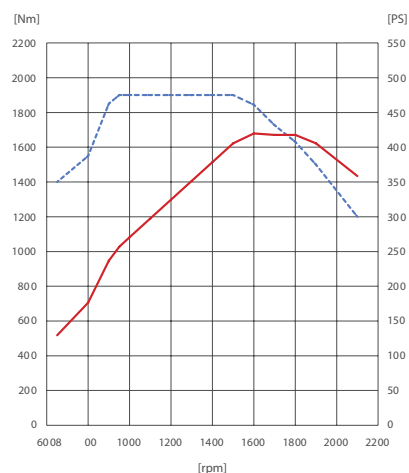
GH11TB390PS

287KW(390PS) / 1,600rpm
1,750Nm(178.5kg•m) /
900-1,500rpm



GH11TC420PS

309KW(420PS) / 1,600rpm
1,900Nm(193.kg•m) /
950-1,500rpm



FUEL AND INTAKE SYSTEM

Fuel capacity:	400 litres
Injection type:	High pressure common rail direct fuel injection system
Filtration:	Chassis mounted primary filter and engine mounted secondary filter

EMISSION CONTROL

Emission standard:	pPNLT (equivalent to Euro 6 emission requirements)
Adblue capacity:	50 litres
Exhaust system:	RHS chassis mounted box muffler

ELECTRICAL

Power:	24 volt, negative ground system
Battery capacity:	2 x 12 volt 165 Ah batteries
Alternator:	150 amp

TRANSMISSION

Make:	UD Trucks																												
Model:	ESCOT-VI (AT02612F)																												
Description:	Automated manual transmission (AMT) 12 forward & 2 reverse gears																												
Shift type:	Electronic shifter with fully automatic or manual control																												
Gear ratios:	<table> <tr> <td>1st</td> <td>11.73</td> <td>7th</td> <td>2.70</td> </tr> <tr> <td>2nd</td> <td>9.21</td> <td>8th</td> <td>2.12</td> </tr> <tr> <td>3rd</td> <td>7.09</td> <td>9th</td> <td>1.63</td> </tr> <tr> <td>4th</td> <td>5.57</td> <td>10th</td> <td>1.28</td> </tr> <tr> <td>5th</td> <td>4.35</td> <td>11th</td> <td>1.00</td> </tr> <tr> <td>6th</td> <td>3.41</td> <td>12th</td> <td>0.78</td> </tr> <tr> <td>Rev 1</td> <td>13.73</td> <td>Rev 2</td> <td>10.78</td> </tr> </table>	1st	11.73	7th	2.70	2nd	9.21	8th	2.12	3rd	7.09	9th	1.63	4th	5.57	10th	1.28	5th	4.35	11th	1.00	6th	3.41	12th	0.78	Rev 1	13.73	Rev 2	10.78
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PTO capacity:	500 Nm @ 103% or 81% (PTR-FH6) 1000 Nm @ 115% or 90% (PTR-D)																												

FRONT AXLE AND SUSPENSION SYSTEM

Ground capacity:	13,000 kg
Axle type:	Reverse Elliot I-Beam
Suspension:	Parabolic leaf spring with shock absorbers
Spring dimensions:	90mm x 1460mm
Spring constant:	347.7 N/mm
Load distribution:	Front axles - loadshare

REAR AXLE AND SUSPENSION SYSTEM

Ground capacity:	20,000 kg
Axle type / model:	Single reduction, hypoid gear, with cross locks
Final reduction ratio:	3.78, 4.13, 4.50
LEAF SUSPENSION:	
Description:	Multi-leaf spring suspension, with rubber cushions
Leaf dimensions:	75mm x 1380mm
AIR SUSPENSION:	
Description:	8 air bag
Shock absorbers:	2 telescopic double acting
Road friendly certification number:	RF2099 (air only)
Control system:	Electronic Controlled Air Suspension with remote control mounted in cab (ECAS4)

BRAKES

Type:	Electronic braking system (EBS) with disc brakes on all axles
Front/Rear:	430 mm rotors / 430 mm rotors
Park brakes:	Hand-operated pneumatic spring park brake on drive axles
Auxiliary brake:	Exhaust plus engine compression type (EEB)
Trailer connections:	Air and electrical connections to rear of chassis

STEERING

Type:	Recirculating ball and screw with hydraulic assist
Steering gear ratio:	24.1 - 26.8 : 1
Column:	Adjustable, tilt and telescopic control
Steering wheel:	460 mm diameter with ignition key steering lock

WHEELS & TYRES

Wheels:	8.25in x 22.5in rim with 165mm offset and ISO 10 stud pattern (335mm PCD)
Front tyres:	295/80 R22.5 Bridgestone R150Z
Rear tyres:	11R 22.5 Bridgestone M711AZ
Spare tyre:	295/80 R22.5 Bridgestone R150Z

FRAME

Width:	850 mm
Side rail dimensions:	300 mm x 90 mm x 8 mm
Material:	Rolled high tensile carbon steel
Tensile strength:	600MPa / max stress for frame - 80.6 MPa

STANDARD DRIVER AIDS

Warning systems:	Visual warning lamps with audible warning tones, plus written warnings displayed on LCD screen
Driver assistance:	Driver information including: date, time, oil pressure, voltmeter, trip information Electronic stalk mounted cruise control GPS satellite navigation with HERE® truck mapping

INTERNAL CABIN

Lighting:	Dual ON/OFF/DOOR interior lights Interior neon cabin lamp
Seating capacity:	Three
Driver's seat:	Air-suspended seat with adjustable shock absorber, recliner, height control, armrest & lumbar adjustment
Passenger seat/s:	Assistant seat with adjustable head rest Foldable centre seat
Sleeping capability:	ADR 42/04 compliant sleeper bunk with mattress
Side windows:	Power operated door glass
Security:	Remote central locking with immobiliser
Air conditioning:	Fully automatic climate controlled airconditioning with recirculation filter

Multimedia unit:	8" capacitive touchscreen CD/DVD player with truck specific satellite navigation, digital radio, Internet radio (requires phone data), USB port, auxiliary port, micro SD slot, phone tethering, bluetooth, PDF reader, and is Wi-Fi enabled. Bluetooth hands free operation with Apple & Android connectivity
Storage:	Multiple in-cab compartments
Power outlet:	24 volt 240W & 12 volt 120W in dash
DIN accessory fitment:	Two DIN sized compartments
Floor covering:	Vinyl

EXTERNAL CABIN

Cab Description:	Forward control, pressed steel construction
Mounting type:	Full floating, 4 bag air suspended cab with 4 dual acting shock absorbers and dual automatic height control valves.
Cab paint:	Standard – W33 "Jumping White"
Inspection points:	Back of the cab and front panel
Bumper type:	3 piece with steel corner panels
Mirrors:	Heated and electrically operated main mirrors with flat glass, wide vision and passenger-side downward facing spot mirrors
Lamps:	LED head lamps (low beam) Bumper mounted fog lamps Roof mounted clearance lights
Wipers:	Triple arm, 2 speed wipers with variable intermittent operation and integrated washers
Reversing system:	Reverse beeper and digital infrared camera with microphone

UD TELEMATICS (FLEET MANAGEMENT)

Telematics hardware:	In-cab GSM and GPS unit with SIM-card connected to roof antenna
Subscription:	12 months included
Packages:	Fuel and Environment Positioning
Key Reports:	Total operational time and distance Average speed and fuel consumption Total CO ² emission Vehicle utilisation Anticipating & braking Engine & gear utilisation Speed adaptation Time idling (standstill)

FACTORY OPTIONAL EQUIPMENT

Tyres:	275/70 R22.5
Wheels:	Alcoa aluminium wheels
Rear engine PTO:	DIN 5462 or Flange SAE1410; 650 Nm capacity
Safety:	Driver Alert System
UD Telematics:	Positioning+ package
Cab paint:	Custom paint colours
Drivers seat:	ISRI 6860/875 with integrated seat belt
Windows:	Passenger-side door safety window Rear cab quarter windows

WEIGHTS AND DIMENSIONS (approx.)

Variant	Model	WB Code	GVM*	GCM	Front Tare ^{1,3}	Rear Tare ^{1,3}	Total Tare ^{1,3}	WB	TWB	OL	OW	OH	FT ⁴	RT ⁴	FW	AS	FOH	ROH	RFL	BOC	CA	GC ²	FHF ²	FHR ²	Turning Radius	
Air	CG32390TAA	T	32000	50000 (390hp)	5755	2996	8751	5200	5885	9917								2510	3195		4466	200		1058	9.83m	
	CG32420TAA																									
Leaf	CG32390VAL	V	32000	55000 (420hp)	5820	3362	9182	5700	6385	11566			2490	2985	2044	1833	850	1370	1392		735		1042		1092	10.7m
	CG32420VAL																									

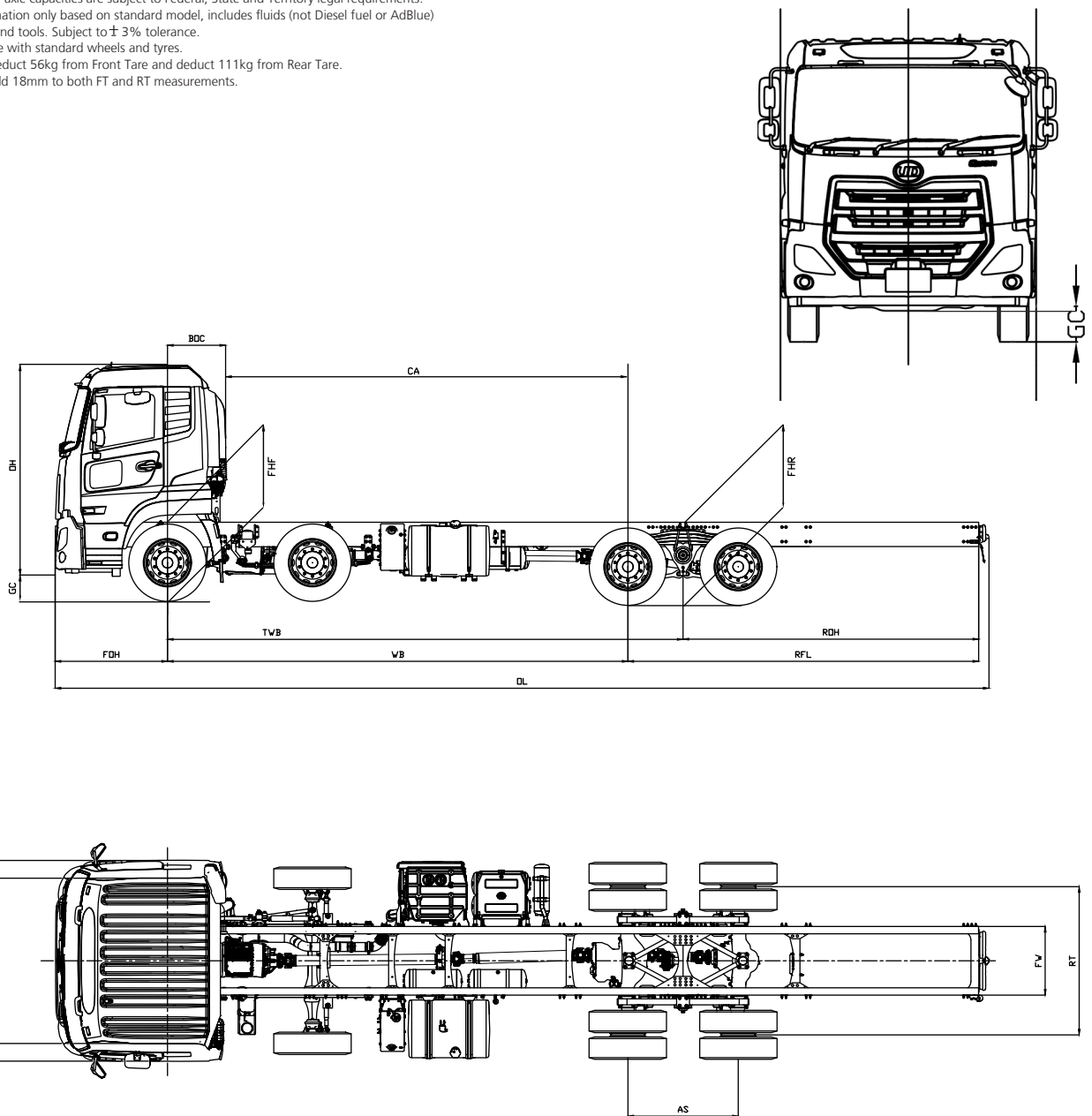
*Rated GVM and axle capacities are subject to Federal, State and Territory legal requirements.

¹ Mass is an estimation only based on standard model, includes fluids (not Diesel fuel or AdBlue) excludes driver and tools. Subject to ± 3% tolerance.

² Based on vehicle with standard wheels and tyres.

³ For alloy rims deduct 56kg from Front Tare and deduct 111kg from Rear Tare.

⁴ For alloy rims add 18mm to both FT and RT measurements.



WARRANTY

Standard warranty*

36 months / 500,000 kms

Cab corrosion warranty*

36 months / unlimited kms

Extended warranty**

60 months / 500,000 kms

*For details refer to your UD Trucks New Vehicle Warranty brochure

**Purchased by the owner and covers selected factory items only. For details refer to your UD Trucks New Vehicle Warranty brochure

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