



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

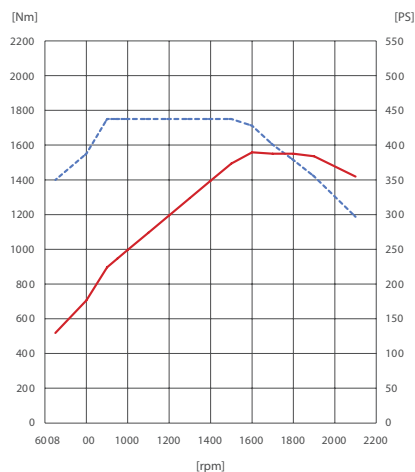
Passive Safety:	Highly rigid cabin Side door beams Front underrun protection system (FUPS) SRS driver steering wheel airbag Driver side seat belt with pre-tensioner Steering wheel & column with impact absorption function
Active Safety:	Traffic Eye Brake System Traffic Eye Cruise Control LDWS (Lane Departure 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

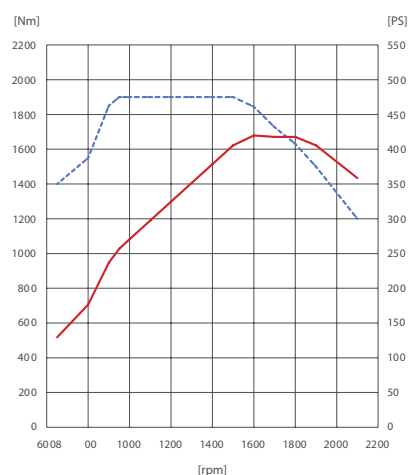
GH11TB390PS

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)

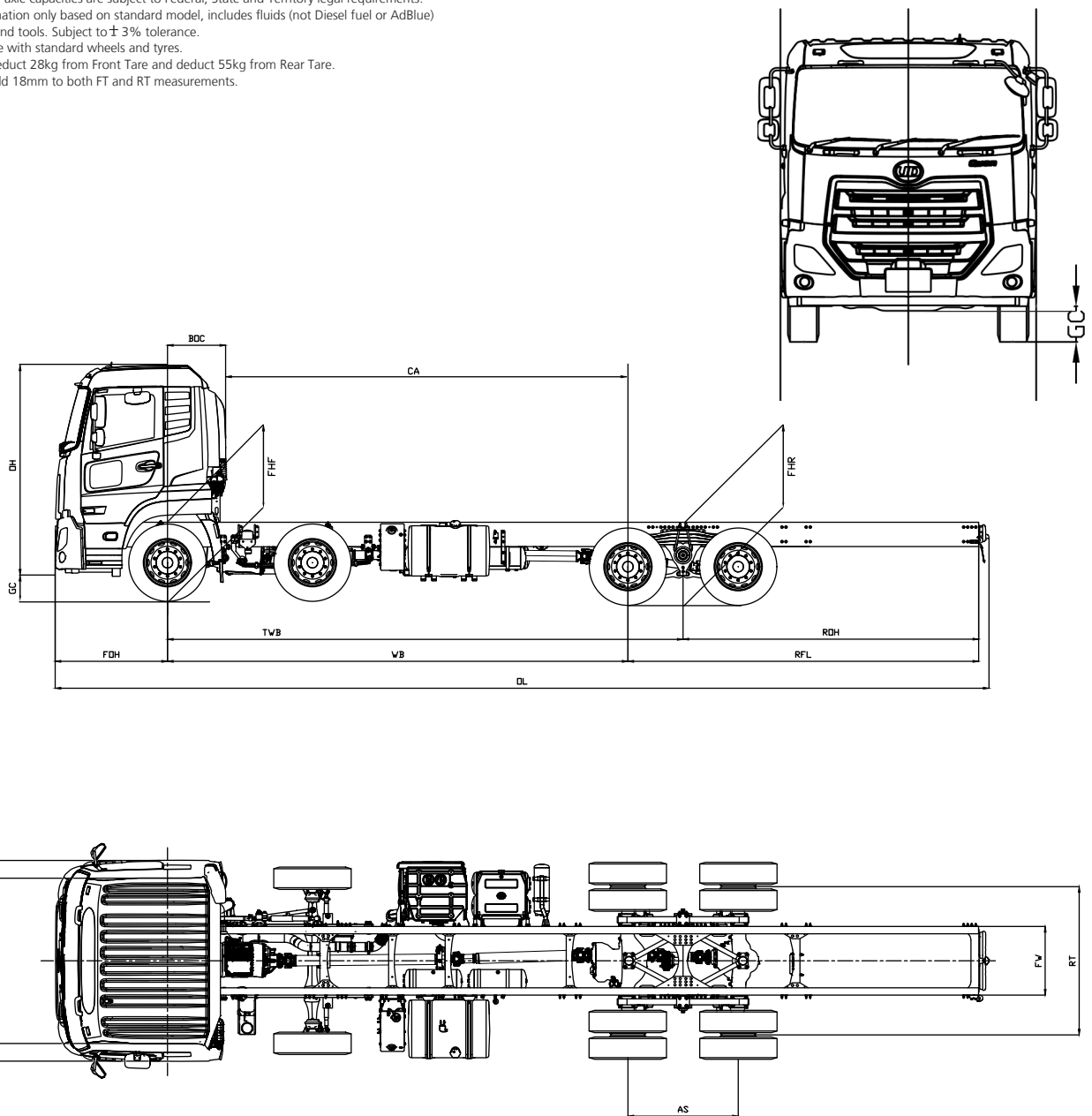
FACTORY OPTIONAL EQUIPMENT

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 28kg from Front Tare and deduct 55kg 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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