

# QUON

CG 32 400 | CG 32 430 | CG 32 460  
8x4 Rigid



## QUON UNIQUE FEATURES

### SPECIFICATIONS

<b>Power:</b>	GH11TB - 294 kW (400 PS) @ 1600 rpm GH11TC - 316 kW (430 PS) @ 1600 rpm GH11TD - 338 kW (460 PS) @ 1600 rpm
<b>Torque:</b>	GH11TB - 2000 Nm (1475 lb.ft) @ 950 rpm GH11TC - 2000 Nm (1475 lb.ft) @ 950 rpm GH11TD - 2250 Nm (1659 lb.ft) @ 1000 rpm
<b>Transmission:</b>	ESCOT-VII automated manual transmission (AMT)
<b>Rear Suspension:</b>	Leaf spring or electronically controlled air suspension
<b>Wheelbase:</b>	Refer weights and dimensions table
<b>GVM:</b>	32,000 kg
<b>GCM:</b>	50,000 kg (400hp) 55,000 kg (430hp) 60,000 kg (460hp)



#### NEW SMART FUEL EFFICIENT ENGINES WITH 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, including safety for vulnerable road users.



#### SMART PRODUCTIVITY

Light weight chassis helping to maximise payload. New engines with improved horsepower and torque to increase productivity.



#### 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

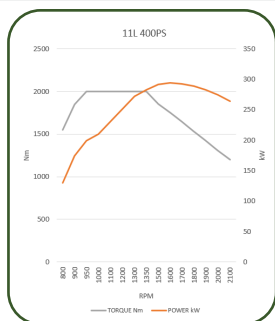
- Active Safety:**
- Traffic Eye Brake System (AEB)
  - Traffic Eye Cruise Control with auto stop & go
  - Traffic sign recognition
  - Lane departure warning system
  - Electronic stability control
  - Automatic hill start assist (ESCOT VI)
  - Lane change support LHS & RHS
  - Blind spot information system LHS & RHS
  - Vulnerable road user detection LHS, RHS & front.

- Basic Safety:**
- LED Headlamps (low beam only)
  - Disc brakes
  - Anti Locking Brake System
  - Emergency Braking System
  - UD Extra Engine Braking (UD EEB)
  - Safe Brake Blending
  - Immobiliser
  - Two-step entry and exit

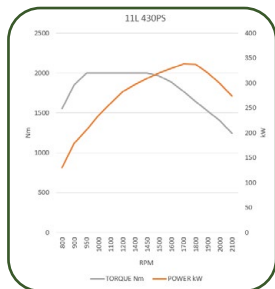
## ENGINE

<b>Model:</b>	GH11TB   GH11TC   GH11TD
<b>Description:</b>	6 cylinder, 4 stroke diesel engine
<b>Displacement:</b>	10,837 cc
<b>Bore x stroke:</b>	123 mm x 152 mm
<b>Compression ratio:</b>	17.5:1
<b>Max. governed engine speed:</b>	2,100rpm

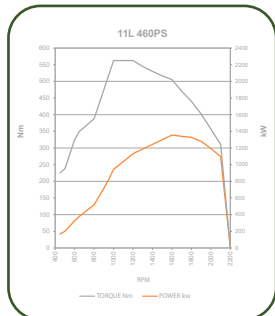
**GH11TB400PS**  
294kW (400PS) @ 1,600rpm  
2,000Nm (1475 lb-ft)  
@ 950 -1,350rpm



**GH11TC430PS**  
316kW(430PS) @ 1,600rpm  
2,000Nm (1475 lb-ft)  
@ 950 -1,450rpm



**GH11TD460PS**  
338kW(460PS) @ 1,600rpm  
2,250Nm (1659 lb-ft)  
@ 1000 -1,200rpm



## FUEL AND INTAKE SYSTEM

<b>Fuel capacity:</b>	400 litres (6400mm 2 x 200 litres)
<b>Injection type:</b>	High pressure common rail direct fuel injection system
<b>Filtration:</b>	Chassis mounted primary filter and engine mounted secondary filter

## EMISSION CONTROL

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

## ELECTRICAL

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

## TRANSMISSION

<b>Make:</b>	UD Trucks
<b>Model:</b>	ESCOT-VII (ATO2612)
<b>Description:</b>	Automated manual transmission (AMT) 12 forward & 2 reverse gears
<b>Shift type:</b>	Electronic shifter with fully automatic or manual control

<b>Gear ratios:</b>	1 <sup>st</sup>	11.73	7 <sup>th</sup>	2.70
	2 <sup>nd</sup>	9.21	8 <sup>th</sup>	2.12
	3 <sup>rd</sup>	7.09	9 <sup>th</sup>	1.63
	4 <sup>th</sup>	5.57	10 <sup>th</sup>	1.28
	5 <sup>th</sup>	4.35	11 <sup>th</sup>	1.00
	6 <sup>th</sup>	3.41	12 <sup>th</sup>	0.78
	Rev 1	13.73	Rev 2	10.78

<b>PTO capacity:</b>	500 Nm @ 103% or 81% (PTR-FH6) 1000 Nm @ 115% or 90% (PTR-D)
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## FRONT AXLE AND SUSPENSION SYSTEM

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

## REAR AXLE AND SUSPENSION SYSTEM

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

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

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

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

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

STANDARD DRIVER AIDS	
<b>In Dash Warning Systems:</b>	Visual warning lamps with audible warning tones, plus written warnings displayed in full colour on the information screen
<b>In Dash Driver Information:</b>	Customisable live information includes: On board fuel coaching with economy tips, fuel & AdBlue usage, instant fuel consumption, digital speedo, trip computer including: time, distance & distance to empty. Hour meter, coolant temp, engine oil temp, transmission oil temp, UDPC level and volt meter.

INTERNAL CABIN	
<b>Lighting:</b>	Dual ON/OFF/DOOR interior lights Interior neon cabin lamp
<b>Seating capacity:</b>	Two (three seats optional)
<b>Driver's seat:</b>	ISRI 6860/875 air suspended seat with integrated seat belt & adjustable arm rest. Adjustable height control & rebound damper. With split seat back adjustments for recline & head rest position. Seat base tilt, seat cushion slide, seat air dump switch. Adjustable air bladders (4) for side bolsters, upper & lower lumbar.
<b>Passenger seat/s:</b>	Assistant seat with adjustable back & head rest
<b>Sleeping capability:</b>	ADR 42/04 compliant sleeper bunk with mattress and full curtains
<b>Side windows:</b>	Power operated door glass
<b>Security:</b>	Remote central locking with immobiliser
<b>Air conditioning:</b>	Fully automatic climate controlled air conditioning with recirculation filter

EXTERNAL CABIN	
<b>Multimedia unit:</b>	<ul style="list-style-type: none"> <li>▫ 8-inch touch screen</li> <li>▫ Hands-free Bluetooth operation.</li> <li>▫ FM1, FM2, FM3, AM, DAB+ tuner</li> <li>▫ USB input</li> <li>▫ Up to 5 cameras input</li> <li>▫ Wi-Fi Module</li> <li>▫ Phone tethering</li> <li>▫ Cordless Apple Car Play &amp; Android Auto</li> <li>▫ Truck specific satellite navigation</li> <li>▫ OTA (over the air updates)</li> </ul>
<b>Storage:</b>	Multiple in-cab compartments
<b>Power outlet:</b>	24 volt 240W & 12 volt 120W in dash
<b>DIN accessory fitment:</b>	Two DIN sized compartments
<b>Floor covering:</b>	Vinyl

EXTERNAL CABIN	
<b>Cab Description:</b>	Forward control, pressed steel construction
<b>Mounting type:</b>	Full floating, 4 bag air suspended cab with 4 dual acting shock absorbers and dual automatic height control valves.
<b>Cab paint:</b>	Standard – Polar White. Paint code W33
<b>Inspection points:</b>	Back of the cab and front panel
<b>Bumper type:</b>	3 piece with steel corner panels
<b>Mirrors:</b>	Heated and electrically operated main mirrors with flat glass, wide vision and passenger-side downward facing spot mirrors
<b>Lamps:</b>	<ul style="list-style-type: none"> <li>▫ LED head lamps (low beam)</li> <li>▫ Bumper mounted fog lamps</li> <li>▫ Roof mounted clearance lights</li> </ul>
<b>Wipers:</b>	Triple arm, 2 speed wipers with variable intermittent operation and integrated washers
<b>Reversing system:</b>	Reverse beeper and digital infrared camera with microphone

UD CONNECT (FLEET MANAGEMENT)	
<b>Telematics hardware:</b>	In-cab GSM and GPS unit with SIMcard connected to roof antenna
<b>Subscription:</b>	12 months included
<b>Key Reports:</b>	<ul style="list-style-type: none"> <li>▫ Total operational time and distance</li> <li>▫ Average speed and fuel consumption</li> <li>▫ Total CO<sup>2</sup> emission</li> <li>▫ Vehicle utilisation</li> <li>▫ Anticipating &amp; braking</li> <li>▫ Engine &amp; gear utilisation</li> <li>▫ Speed adaptation</li> <li>▫ Time idling (standstill)</li> </ul>

FACTORY OPTIONAL EQUIPMENT	
<b>Tyres:</b>	275/70 R22.5
<b>Wheels:</b>	Alcoa aluminium wheels
<b>Rear engine PTO:</b>	DIN 5462 or Flange SAE1410; 650 Nm capacity
<b>Transmission PTO:</b>	Top mount, 1 o'clock
<b>Safety:</b>	<ul style="list-style-type: none"> <li>▫ Driver Alert System</li> <li>▫ Driver Monitoring System</li> </ul>
<b>Cab paint:</b>	Custom paint colours
<b>Windows:</b>	<ul style="list-style-type: none"> <li>▫ Passenger-side door safety window</li> <li>▫ Rear cab quarter windows</li> </ul>

## WEIGHTS AND DIMENSIONS (approx.)

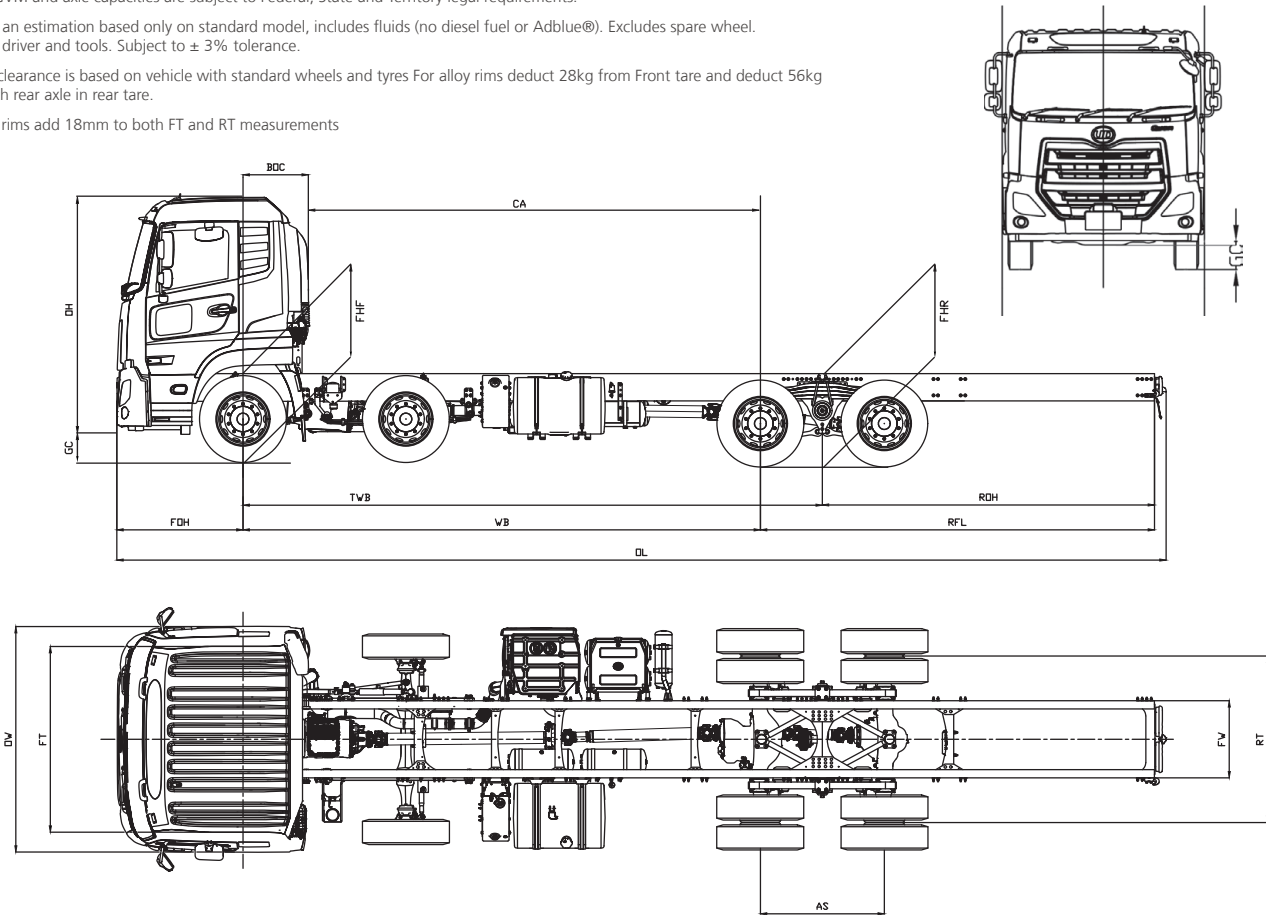
Variant	Model	WBC Code	GVM*	GCM	Front Tare	Rear Tare	Total Tare	WB	TWB	OL	OW	OH	FT	RT	FW	AS	FOH	ROH	RFL	BOC	CA	GC	FHF	FHR	Turning Radius
AIR	CG32400TAA CG32430TAA CG32460TAA	T	3200	50000 (400hp)	5755	2996	8751	5200	5885	9917	2490	2985	2044	1833	850	1370	1392	2510	3195	735	4466	200	1042	1058	9.83m
	CG32400VAA CG32430VAA CG32460VAA	V			5820	3362	9182	5700	6385	11566								3510	4195		4965	200		1092	10.7m
	CG32430YAA	Y			6224	3254	9478	6400	7085	11837								3360	4045		5685	200		1058	12.0m
LEAF	CG32400TAL CG32430TAL CG32460TAL	T	3200	60000 (460hp)	5775	3016	8791	5200	5885	9917	2490	2985	2044	1833	850	1370	1392	2510	3195	735	4466	259	1042	1058	9.83m
	CG32400VAL CG32430VAL CG32460VAL	V			5840	3382	9222	5700	6385	11566								3510	4195		4965	259		1092	10.7m

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

1Mass is an estimation based only on standard model, includes fluids (no diesel fuel or Adblue®). Excludes spare wheel. Excludes driver and tools. Subject to ± 3% tolerance.

Ground clearance is based on vehicle with standard wheels and tyres For alloy rims deduct 28kg from Front tare and deduct 56kg from each rear axle in rear tare.

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

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