



# QUON 11-Litre

CG 32 400 | CG 32 430

8x4 Rigid



## SPECIFICATIONS

<b>Power:</b>	GH11TB - 294 kW (400 PS) @ 1600 rpm GH11TC - 316 kW (430 PS) @ 1600 rpm
<b>Torque:</b>	GH11TB - 2000 Nm (1475 lb.ft) @ 950 rpm GH11TC - 2000 Nm (1475 lb.ft) @ 950 rpm
<b>Transmission:</b>	ESCOT-VI 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)

Note: CG 32 430 shown may not be representative of actual vehicle.

## QUON UNIQUE FEATURES

-  **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

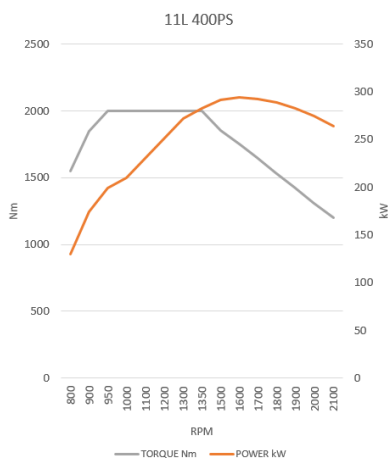
<b>Passive Safety:</b>	Highly rigid cabin Side door beams Front underrun protection system (FUPS) SRS driver steering wheel airbag Driver side seat belt with pre-tensioner Steering wheel & column with impact absorption function
<b>Active Safety:</b>	Traffic Eye Brake System Traffic Eye Cruise Control with auto stop and driver initiate go LDWS (Lane Departure Warning System) Electronic Stability Control (UDSC) Automatic Hill Start Assist (HSA) Lane change support LHS & RHS Blind side information system LHS & RHS
<b>Basic Safety:</b>	LED Headlamps 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
<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>	2,100 rpm

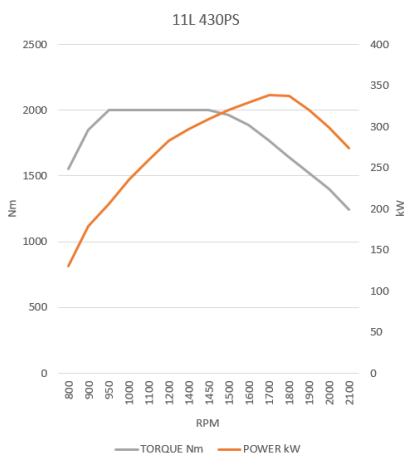
### GH11TB400PS

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



## FUEL AND INTAKE SYSTEM

<b>Fuel capacity:</b>	400 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-VI (AT02612F)																												
<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>	<table border="1"> <tr><td>1<sup>st</sup></td><td>11.73</td><td>7<sup>th</sup></td><td>2.70</td></tr> <tr><td>2<sup>nd</sup></td><td>9.21</td><td>8<sup>th</sup></td><td>2.12</td></tr> <tr><td>3<sup>rd</sup></td><td>7.09</td><td>9<sup>th</sup></td><td>1.63</td></tr> <tr><td>4<sup>th</sup></td><td>5.57</td><td>10<sup>th</sup></td><td>1.28</td></tr> <tr><td>5<sup>th</sup></td><td>4.35</td><td>11<sup>th</sup></td><td>1.00</td></tr> <tr><td>6<sup>th</sup></td><td>3.41</td><td>12<sup>th</sup></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>	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
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)																												

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

## 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 air suspended NTS 6860/875 with integrated seatbelt and adjustable arm rest
<b>Passenger seat/s:</b>	Assistant seat with adjustable back & head rest
<b>Sleeping capability:</b>	ADR 42/04 compliant sleeper bunk with mattress
<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

<b>Multimedia unit:</b>	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
<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 – W33 "Jumping White"
<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>	LED head lamps (low beam) Bumper mounted fog lamps Roof mounted clearance lights
<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 SIM-card connected to roof antenna
<b>Subscription:</b>	12 months included
<b>Key Reports:</b>	Total operational time and distance Average speed and fuel consumption Total CO <sub>2</sub> emission Vehicle utilisation Anticipating & braking Engine & gear utilisation Speed adaptation Time idling (standstill)

## 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>Safety:</b>	Driver Alert System Driver Monitoring System
<b>Cab paint:</b>	Custom paint colours
<b>Windows:</b>	Passenger-side door safety window Rear cab quarter windows

# WEIGHTS AND DIMENSIONS (approx.)

Variant	Model	WB Code	GVM*	GCM	Front Tare <sup>1,3</sup>	Rear Tare <sup>1,3</sup>	Total Tare <sup>1,3</sup>	WB	TWB	OL	OW	OH	FT <sup>4</sup>	RT <sup>4</sup>	FW	AS	FOH	ROH	RFL	BOC	CA	GC <sup>2</sup>	FHF <sup>2</sup>	FHR <sup>2</sup>	Turning Radius																							
Air	CG32400TAA	T	32000	50000 (400hp) 55000 (430hp)	5755	2996	8751	5200	5885	9917	2490	2985	2044	1833	850	1370	1392	2510	3195	735	4466	200	1042	1058	9.83m																							
	CG32430TAA																																															
	CG32400VAA	V																								5820	3362	9182	5700	6385	11566	3660	4345	4965	200	1092	10.7m											
	CG32430VAA																																															
Leaf	CG32400TAL	T			32000	50000 (400hp) 55000 (430hp)	5775	3016	8791	5200								5885	9917		2490	2985		2044	1833													850	1370	1392	2510	4345	735	4466	259	1042	1058	9.83m
	CG32430TAL																																															
	CG32400VAL	V																								5840	3382	9222	5700	6385	11566	3660	4345	4965	259	1092	10.7m											
	CG32430VAL																																															

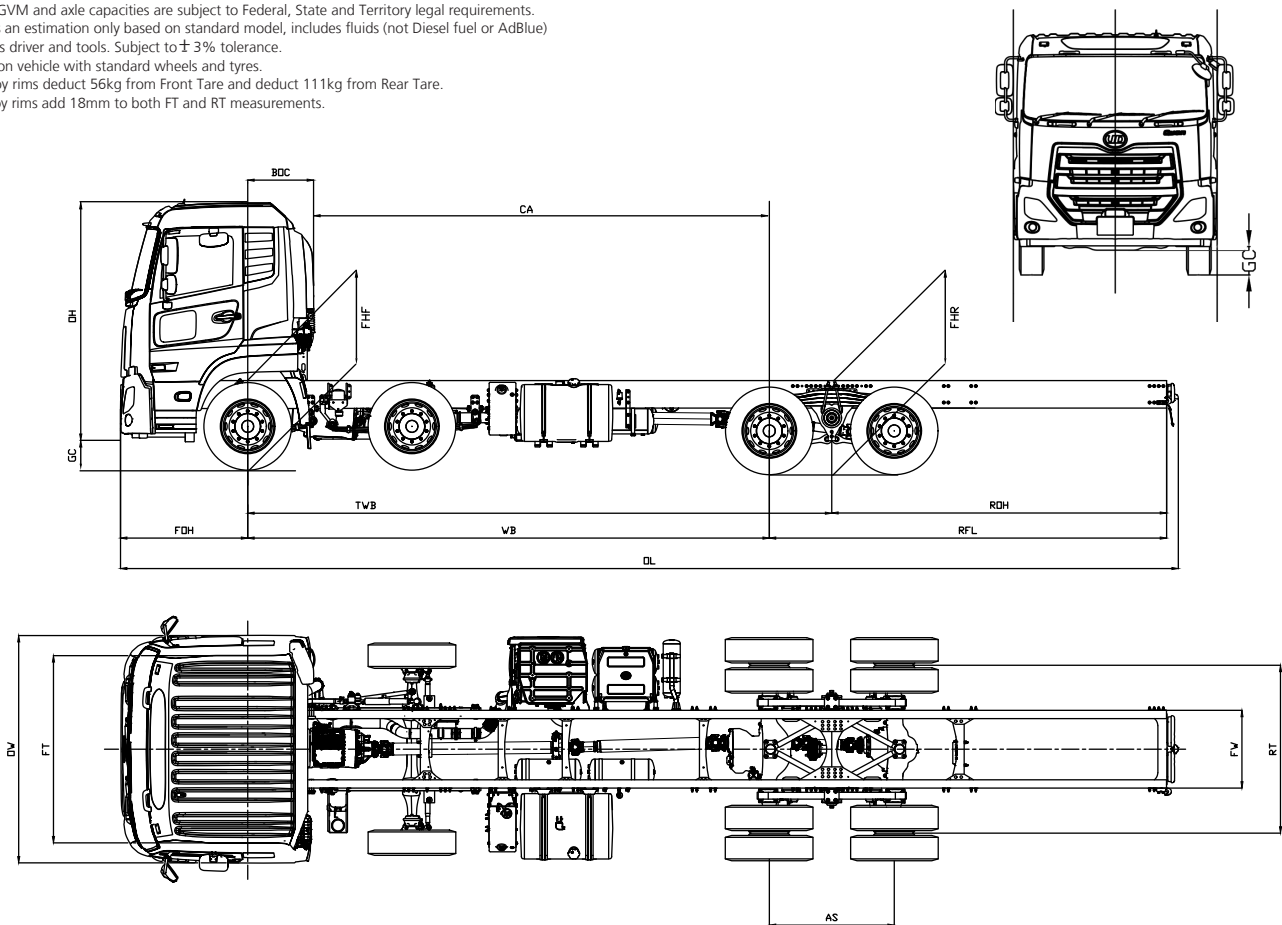
\*Rated GVM and axle capacities are subject to Federal, State and Territory legal requirements.

<sup>1</sup> Mass is an estimation only based on standard model, includes fluids (not Diesel fuel or AdBlue) excludes driver and tools. Subject to  $\pm 3\%$  tolerance.

<sup>2</sup> Based on vehicle with standard wheels and tyres.

<sup>3</sup> For alloy rims deduct 56kg from Front Tare and deduct 111kg from Rear Tare.

<sup>4</sup> 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

**UD Trucks Australia**  
udtrucks.com/australia

DISCLAIMER: Imported and distributed by Volvo Group Australia Pty Ltd (ABN: 27 000 761 259). Photos for illustration purposes. Volvo Group Australia Pty Ltd reserves the right to modify design and change equipment without previous notification. Please consult with your UD Trucks Dealer for the latest information about vehicle specifications.

Last published November 2022