



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

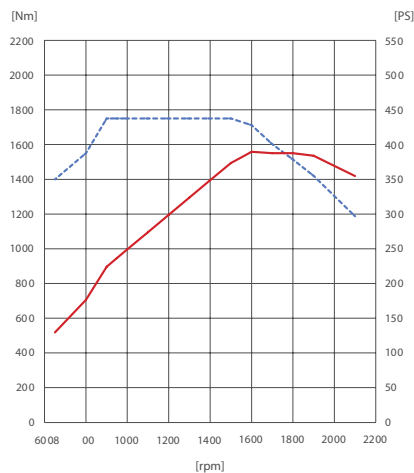
Passive Safety:	Highly rigid cabin Side door beams Front underrun protection system (FUPS) SRS driver steering wheel airbag Driver side seat belt with pre-tensioner Steering wheel & column with impact absorption function
Active Safety:	Traffic Eye Brake System Traffic Eye Cruise Control LDWS (Lane Departure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

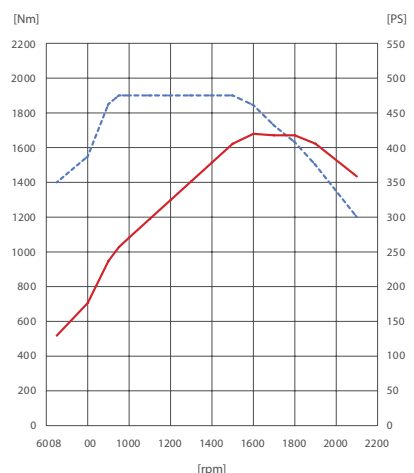
GH11TB390PS

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



GH11TC420PS

309KW(420PS) / 1,600rpm
1,900Nm(193.kg•m) /
900 -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:	5200mm & 5700mm WB - 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

REAR AXLE AND SUSPENSION SYSTEM

Ground capacity:	20,000 kg
Axle type / model:	Single reduction, hypoid gear, with cross locks
Final reduction ratio:	Air 4.13, Leaf 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
Control system:	Electronic Controlled Air Suspension with remote control mounted in cab (ECAS4)

BRAKES		Side windows:	Power operated door glass
Type:	Electronic braking system (EBS) with disc brakes	Security:	Remote central locking with immobiliser
Front/Rear:	430 mm rotors / 430 mm rotors	Air conditioning:	Fully automatic climate controlled airconditioning with recirculation filter
Park brakes:	Hand-operated pneumatic spring park brake on drive axles	Multimedia unit:	Touchscreen CD/DVD player with truck specific satellite navigation, digital radio USB port, auxiliary port, micro SD slot, bluetooth.
Auxiliary brake:	Exhaust plus engine compression type (EEB)	Storage:	Multiple in-cab compartments
Trailer connections:	Air and electrical connections to rear of chassis	Power outlet:	24 volt 240W & 12 volt 120W in dash
STEERING		DIN accessory fitment:	Two DIN sized compartments
Type:	Recirculating ball and screw with hydraulic assist	Floor covering:	Vinyl
Steering gear ratio:	24.1 - 26.8 : 1	EXTERNAL CABIN	
Column:	Adjustable, tilt and telescopic control	Cab Description:	Forward control, pressed steel construction
Steering wheel:	460 mm diameter with ignition key steering lock	Mounting type:	Full floating, 4 bag air suspended cab with 4 dual acting shock absorbers and dual automatic height control valves.
WHEELS & TYRES		Cab paint:	Standard – W33 "Jumping White"
Wheels:	8.25in X 22.5in rim with 165mm offset and ISO 10 stud pattern (335mm PCD)	Inspection points:	Back of the cab and front panel
Front tyres Leaf sus:	295/80 R22.5 Bridgestone	Bumper type:	3 piece with steel corner panels
Rear tyres Leaf sus:	11R 22.5 Bridgestone	Mirrors:	Heated and electrically operated main mirrors with flat glass, wide vision and passenger-side downward facing spot mirrors
Front tyres Air sus:	275/70 22.5 Bridgestone	Lamps:	LED head lamps (low beam) Bumper mounted fog lamps Roof mounted clearance lights
Rear tyres Air sus:	275/70 22.5 Bridgestone	Wipers:	Triple arm, 2 speed wipers with variable intermittent operation and integrated washers
FRAME		Reversing system:	Reverse beeper and digital infrared camera with microphone
Width:	850 mm	DEALER FIT OPTIONAL EQUIPMENT	
Side rail dimensions:	300 mm x 90 mm x 8 mm	Wheels:	Alcoa aluminium wheels
Material:	Rolled high tensile carbon steel	Rear engine PTO:	DIN 5462 or Flange SAE1410; 650 Nm capacity
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:	Two		
Driver's seat:	Air-suspended seat with adjustable shock absorber, recliner, height control, armrest & lumbar adjustment		
Passenger seat:	Assistant seat with adjustable head rest		
Sleeping capability:	ADR 42/04 compliant sleeper bunk with mattress		

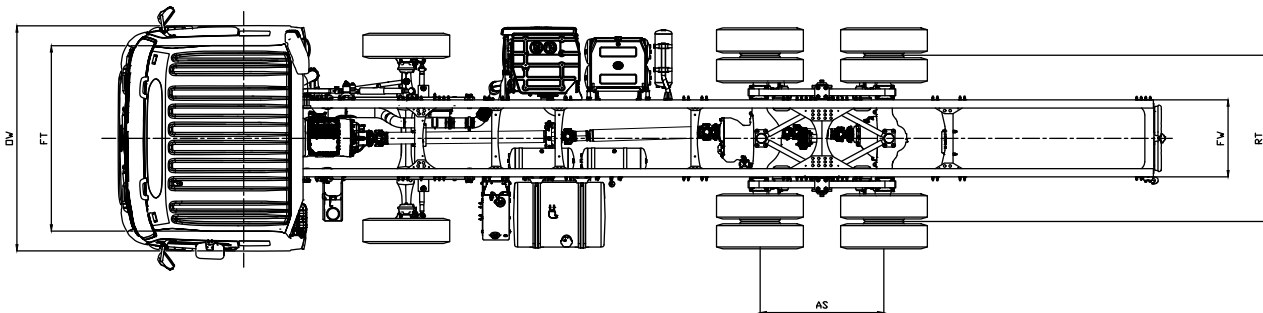
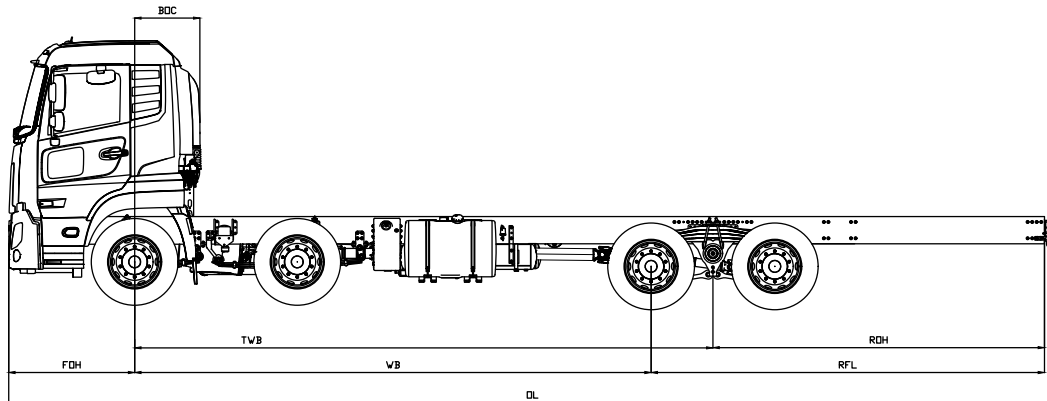
WEIGHTS AND DIMENSIONS (approx.)

Variant	Model	WB Code	GVM	GCM	Front Tare	Rare Tare	Total Tare	WB	TWB	OL	OW	OH	FT	RT	FW	AS	FOH	ROH	RFL	BOC	CA	GC	FHF	FHR		
Air	CG32390TAA	T	32000	50000 (390hp) 55000 (420hp)	5670	2960	8630	5200	5885	9917	2490	2945	2044	1833	850	1370	1392	2510	3195	735	4466	210	1020	1030		
	CG32420TAA																									
Leaf	CG32390VAL	V					5830	3340	9170	5700	6385	11566		3000						3660	4345		4965	249	1060	1100
	CG32420VAL																									

Rated GVM and axle capacities are subject to legal requirements.

Mass is an estimation only based on standard model, 50 litres Diesel fuel, full AdBlue, excludes driver and tools.

Based on vehicle with standard wheels and tyres.



WARRANTY

Standard Warranty - Refer to Warranty Schedule