

Quon

CG 30 360
8x4 Rigid



QUON UNIQUE FEATURES

SPECIFICATIONS

Power:	263 kW (357 PS) @ 1900 rpm
Torque:	1428 Nm (1055 lb.ft) @ 1200 rpm
Transmission:	Allison 3200 series ESCOT-VII automated manual transmission (AMT)
Rear Suspension:	Leaf spring or electronically controlled air suspension
Wheelbase:	Refer weights and dimensions table
GVM:	28,500 kg - Allison 30,000 kg - ESCOT
GCM:	28,500 kg - Allison 38,000 kg - ESCOT



SMART FUEL EFFICIENCY AND RESPECT FOR THE ENVIRONMENT

GH8 engine: fuel efficient, powerful and ADR 80/04 compliant.



SMART UPTIME

Quon has been designed to further optimise uptime, with great reliability and efficient maintenance intervals based on application.



SMART SAFETY

Active safety with mechanical and electronic features throughout, to detect cyclists, pedestrians and other road vehicles.



SMART PRODUCTIVITY

Durable light weight chassis helping to maximise payload. Efficient engines with strong torque and smooth consistent power to increase productivity.



SMART DRIVABILITY

The cabin has been designed with the user's comfort in mind, with outstanding ergonomics and visibility surrounding the vehicle.

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
- Detection of cyclists, pedestrians and other road vehicles 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

Model: GH8F

Description: 6 cylinder, 4 stroke diesel engine

Displacement: 7,698 cc

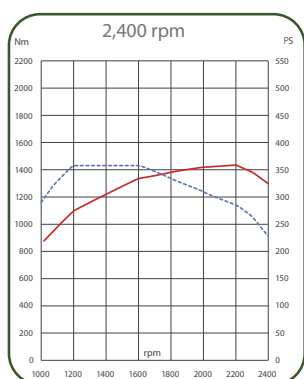
Bore x stroke: 110 mm x 135 mm

Compression ratio: 17.5:1

Max. Power (ECE Net): 263 kW (357PS) @ 1,900 rpm

Max. Torque (ECE Net): 1,428 Nm (1050lb.ft) @ 1,200rpm

Max. governed engine speed:



FUEL AND INTAKE SYSTEM

Fuel capacity: 4500mm WB - 190 litres
5200mm & 5700mm WB - 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: 4500mm WB - 30 litres
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 135 Ah batteries

Alternator: 110 amp

TRANSMISSION - ALLISON

Make: Allison

Model: 3200 Series

Description: 6 speed fully automatic with Gen 5 adaptive shift

Shift type: Push button shift selector

Gear ratios:

1 st	3.49	2 nd	1.86
3 rd	1.41	4 th	1.00
5 th	0.75	6 th	0.65
		Rev 1	5.03

PTO capability: DIN 5462; 650 Nm capacity

TORQUE CONVERTER

Make: Allison

Model: TC-418

Stall torque ratio: 1.98

TRANSMISSION

Make: UD Trucks

Model: ESCOT-VII (AT2612)

Description: Automated manual transmission (AMT) 12 forward & 2 reverse gears

Shift type: Electronic shifter with fully automatic or manual control

Gear ratios:

1 st	14.94	7 th	3.44
2 nd	11.73	8 th	2.70
3 rd	9.04	9 th	2.08
4 th	7.09	10 th	1.63
5 th	5.54	11 th	1.27
6 th	4.35	12 th	1.00
Rev 1	17.48	Rev 2	13.73

PTO capacity 1000 Nm @ 70% 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: 21,000 kg

Axle type / model: Single reduction, hypoid gear

Final reduction ratio: Allison - 5.67, 6.17
ESCOT - 3.78, 4.13, 4.50

Shock Absorbes:	Telescopic double acting
Road friendly certification number:	RF2099 (air only)
Control System:	RF2099 (air only) 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
Agitator Spec (P):	11R 22.5 Yokohama Y785R-16PR (Front & Rear)

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

In Dash Warning Systems:	Visual warning lamps with audible warning tones, plus written warnings displayed in full colour on the information screen
In Dash Driver Information:	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

Lighting:	Dual ON/OFF/DOOR interior lights Interior neon cabin lamp
Seating capacity:	Two (three seats optional)
Driver's seat:	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.
Passenger seat/s:	Assistant seat with adjustable back & head rest

Sleeping capability:	ADR 42/04 compliant sleeper bunk with mattress and full curtains
Side windows:	Power operated door glass
Security:	Remote central locking with immobiliser
Air conditioning:	Fully automatic climate controlled air conditioning with recirculation filter
Multimedia unit:	<ul style="list-style-type: none"> ▫ 8-inch touch screen ▫ Hands-free Bluetooth operation. ▫ FM1, FM2, FM3, AM, DAB+ tuner ▫ USB input ▫ Up to 5 cameras input ▫ Wi-Fi Module ▫ Phone tethering ▫ Cordless Apple Car Play & Android Auto ▫ Truck specific satellite navigation ▫ OTA (over the air updates)
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 – Polar White. Paint code W33
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:	<ul style="list-style-type: none"> ▫ 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 CONNECT (FLEET MANAGEMENT)

Telematics hardware:	In-cab GSM and GPS unit with SIMcard connected to roof antenna
Subscription:	12 months included
Key Reports:	<ul style="list-style-type: none"> ▫ Total operational time and distance ▫ Average speed and fuel consumption ▫ Total CO2 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:	1 o'clock
Transmission PTO:	Top mount, 1 o'clock
Safety:	<ul style="list-style-type: none"> ▫ Driver Alert System ▫ Driver Monitoring System
Cab paint:	Custom paint colours
Windows:	Passenger-side door safety window Rear cab quarter windows

WEIGHTS AND DIMENSIONS (approx.)

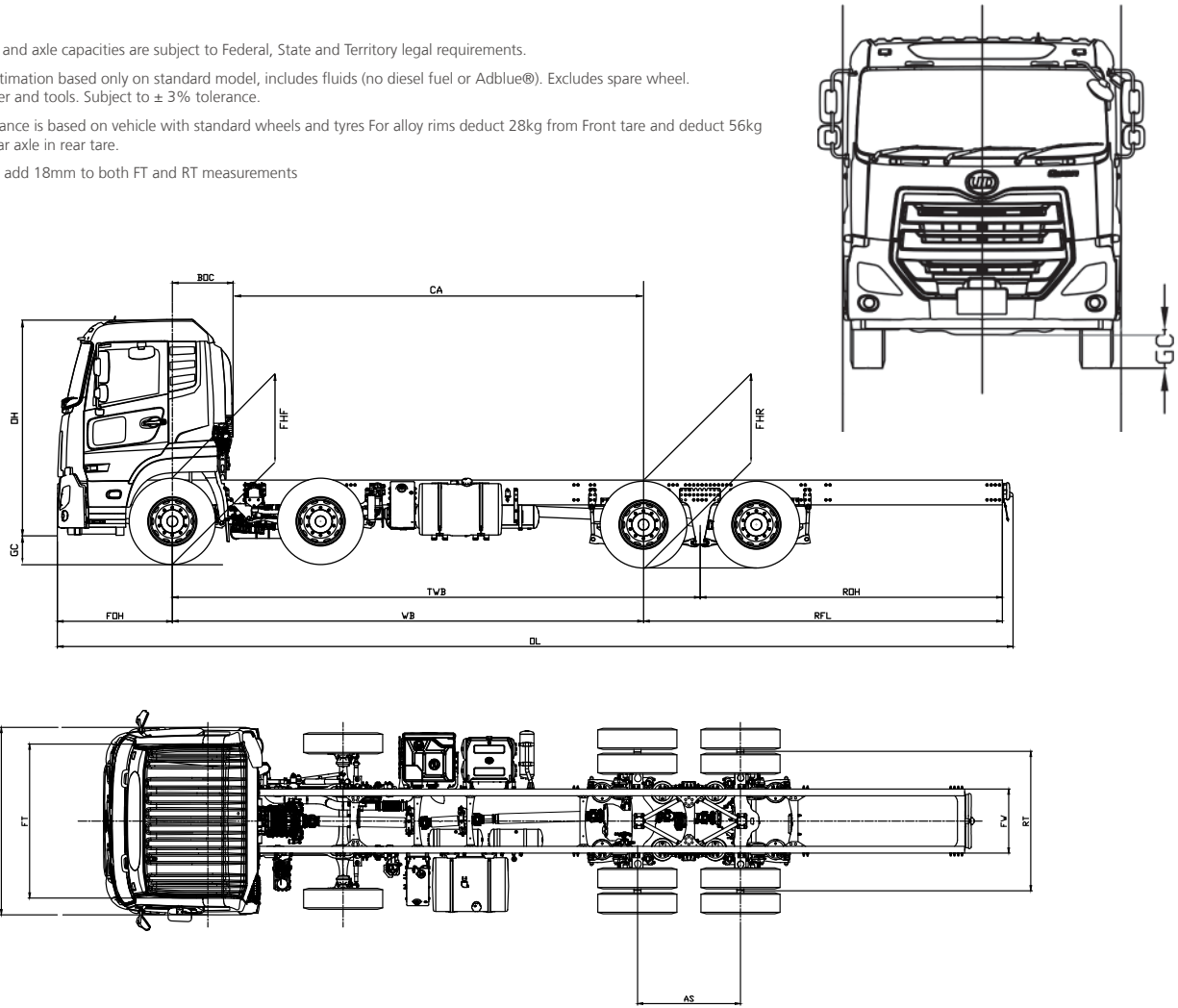
Variant	Model	WBC Code	GVM*	GCM	Front Tare	Rear Tare	Total Tare	WB	TWB	OL	OW	OH	FT	RT	FW	AS	FOH	ROH	RFL	BOC	CA	GC	FHF	FHR	Turning Radius		
AIR	CG30360PAA	P	28,500 kg (Allison)	28,500 kg (Allison)	5432	2605	8037	4500	5185	8451	2490	2990	2062	1851	850	1370	1392	1760	2445	735	4466	200	1047	1059	8.74m		
	CG30360TAA	T			5465	3196	8661	5200	5885	9917		2985	2985	2044				1833	2510		3195	4465	200	1042	1058	1058	9.83m
	CG30360VAA	V			5527	3163	8690	5700	6385	11567		2985	2044	1833				2510	3195		4965	200	1041	1058	1058	10.7m	
LEAF	CG30360PAL	P	30,000 kg (ESCOT)	38,000kg (ESCOT)	5263	2818	8081	4500	5185	8337	2490	2990	2062	1851	850	1370	1392	1760	2445	735	3765	262	1048	1092	8.74m		
	CG30360TAL	T			TBD	TBD	TBD	5200	5885	9917		2985	2044	1833				2510	3195		4465	259	1042	1092	1092	9.83m	
	CG30360VAL	V			TBD	TBD	TBD	5700	6385	11566		2985	2044	1833				2510	3195		4965	259	1041	1092	1092	10.7m	

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

Mass 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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