



# QUON 8-Litre

## CG 30 360

8x4 Rigid



### SPECIFICATIONS

|                         |   |
|-------------------------|---|
| <b>Power:</b>           | 263 kW (357 PS) @ 2200 rpm  |
| <b>Torque:</b>          | 1428 Nm (1055 lb.ft) @ 1200 rpm                                     |
| <b>Transmission:</b>    | Allison 3200 series<br>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>             | 28,500 kg - Allison<br>30,000 kg - ESCOT                            |
| <b>GCM:</b>             | 28,500 kg - Allison<br>38,000 kg - ESCOT                            |

Note: CG 30 360 shown may not be representative of actual vehicle.

### QUON UNIQUE FEATURES

-  **SMART FUEL EFFICIENCY AND RESPECT FOR THE ENVIRONMENT**  
GH8 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.
-  **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.

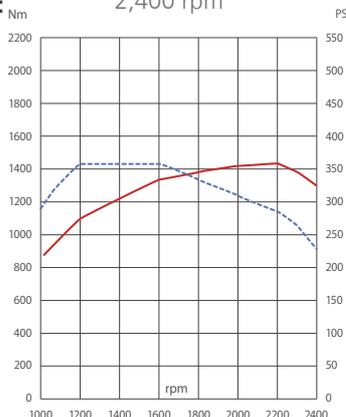
## GENERAL SPECIFICATIONS

### SAFETY

|                        |   |
|------------------------|---|
| <b>Passive Safety:</b> | Highly rigid cabin<br>Side door beams<br>Front underrun protection system (FUPS) SRS<br>driver steering wheel airbag<br>Driver side seat belt with pre-tensioner<br>Steering wheel & column with impact absorption function   |
| <b>Active Safety:</b>  | Traffic Eye Brake System<br>Traffic Eye Cruise Control with auto stop and driver initiate go (ESCOT only)<br>LDWS (Lane Departure Warning System)<br>Electronic Stability Control (UDSC)<br>Automatic Hill Start Assist (HSA)<br>Lane change support LHS & RHS<br>Blind side information system LHS & RHS |
| <b>Basic Safety:</b>   | LED Headlamps (low beam)<br>Disc brakes<br>Anti Locking Brake System<br>Emergency Braking System<br>UD Extra Engine Braking (UD EEB)<br>Safe Brake Blending<br>Immobiliser<br>Two-step entry & exit   |

### ENGINE

|                                    |                                    |
|------------------------------------|------------------------------------|
| <b>Model:</b>                      | GH8F                               |
| <b>Description:</b>                | 6 cylinder, 4 stroke diesel engine |
| <b>Displacement:</b>               | 7,698 cc                           |
| <b>Bore x stroke:</b>              | 110 mm x 135 mm                    |
| <b>Compression ratio:</b>          | 17.5:1                             |
| <b>Max. Power (ECE Net):</b>       | 263 kW (357PS) @ 2,200 rpm         |
| <b>Max. Torque (ECE Net):</b>      | 1,428 Nm (1,050 lb.ft) @ 1,200 rpm |
| <b>Max. governed engine speed:</b> | 2,400 rpm                          |



### FUEL AND INTAKE SYSTEM

|                        |  |
|------------------------|--|
| <b>Fuel capacity:</b>  | 4500mm WB - 190 litres<br>5200mm & 5700mm WB - 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>   | 4500mm WB - 30 litres<br>5200mm & 5700mm WB - 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 135 Ah batteries    |
| <b>Alternator:</b>       | 110 amp                         |

### TRANSMISSION - ALLISON

|                        |   |
|------------------------|---|
| <b>Make:</b>           | Allison   |
| <b>Model:</b>          | 3200 Series   |
| <b>Description:</b>    | 6 speed fully automatic with Gen 5 adaptive shift   |
| <b>Shift type:</b>     | Push button shift selector  |
| <b>Gear ratios:</b>    | <b>1<sup>st</sup></b> 3.49 <b>2<sup>nd</sup></b> 1.86 <b>Rev 1</b> 5.03<br><b>3<sup>rd</sup></b> 1.41 <b>4<sup>th</sup></b> 1.00<br><b>5<sup>th</sup></b> 0.75 <b>6<sup>th</sup></b> 0.65 |
| <b>PTO capability:</b> | DIN 5462; 650 Nm capacity   |

### TORQUE CONVERTER

|                            |         |
|----------------------------|---------|
| <b>Make:</b>               | Allison |
| <b>Model:</b>              | TC-418  |
| <b>Stall torque ratio:</b> | 1.98    |

### TRANSMISSION - ESCOT

|                     |  |
|---------------------|--|
| <b>Make:</b>        | UD Trucks  |
| <b>Model:</b>       | ESCOT-VI (AT2612F)   |
| <b>Description:</b> | Automated manual transmission (AMT)  |
| <b>Shift type:</b>  | 12 forward & 2 reverse gears   |
| <b>Gear ratios:</b> | Electronic shifter with fully automatic or manual control<br><b>1<sup>st</sup></b> 14.94 <b>7<sup>th</sup></b> 3.44<br><b>2<sup>nd</sup></b> 11.73 <b>8<sup>th</sup></b> 2.70<br><b>3<sup>rd</sup></b> 9.04 <b>9<sup>th</sup></b> 2.08<br><b>4<sup>th</sup></b> 7.09 <b>10<sup>th</sup></b> 1.63<br><b>5<sup>th</sup></b> 5.54 <b>11<sup>th</sup></b> 1.27<br><b>6<sup>th</sup></b> 4.35 <b>12<sup>th</sup></b> 1.00<br><b>Rev 1</b> 17.48 <b>Rev 2</b> 13.73<br><b>PTO capacity:</b> 1000 Nm @ 70% 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>                    | 21,000 kg   |
| <b>Axle type / model:</b>                  | Single reduction, hypoid gear   |
| <b>Final reduction ratio:</b>              | Allison - 5.67, 6.17<br>ESCOT - 3.78, 4.13, 4.50                                |
| <b>LEAF SUSPENSION:</b>                    |   |
| <b>Description:</b>                        | Multi-leaf spring suspension, rubber cushions                                   |
| <b>Leaf dimensions:</b>                    | 75mm x 1380mm   |
| <b>AIR SUSPENSION:</b>                     |   |
| <b>Description:</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 MZ11AZ   |
| <b>Spare tyre:</b>        | 295/80 R22.5 Bridgestone R150Z  |
| <b>Agitator Spec (P):</b> | 11R 22.5 Yokohama Y785R-16PR (Front & Rear)                               |

## 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<br>Electronic stalk mounted cruise control<br>GPS satellite navigation with HERE® truck mapping |

## INTERNAL CABIN

|                             |  |
|-----------------------------|--|
| <b>Lighting:</b>            | Dual ON/OFF/DOOR interior lights<br>Interior neon cabin lamp                 |
| <b>Seating capacity:</b>    | Two (Three seats optional)   |
| <b>Driver's seat:</b>       | ISRI 6860/875 with integrated seat belt                                      |
| <b>Passenger seat/s:</b>    | Assistant seat with adjustable 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 airconditioning 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, phone tethering, bluetooth, PDF reader, and is Wi-Fi enabled. Bluetooth hands free operation with Apple & Android connectivity, three free map upgrades |
| <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"   |
| <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 & electrically operated main mirrors with flat glass, wide vision & passenger-side downward facing spot mirrors |
| <b>Lamps:</b>             | LED head lamps (low beam)<br>Bumper mounted fog lamps<br>Roof mounted clearance lights                                 |
| <b>Wipers:</b>            | Triple arm, 2 speed wipers with variable intermittent operation & 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<br>Average speed and fuel consumption<br>Total CO <sub>2</sub> emission<br>Vehicle utilisation<br>Anticipating & braking<br>Engine & gear utilisation<br>Speed Adaption<br>Time idling (standstill) |

## FACTORY OPTIONAL EQUIPMENT

|                          |   |
|--------------------------|---|
| <b>Tyres:</b>            | 275/70 R22.5  |
| <b>Wheels:</b>           | Alcoa aluminium wheels  |
| <b>Rear engine PTO:</b>  | 1 o' clock  |
| <b>Transmission PTO:</b> | Top mount, 1 o'clock  |
| <b>Safety:</b>           | Driver Alert System<br>Driver Monitor System                  |
| <b>Cab paint:</b>        | Custom paint colours  |
| <b>Windows:</b>          | Passenger-side door safety window<br>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   | FHF  | FHR   | Turning Radius |
|---------|------------|---------|--|--|---------------------------|--------------------------|---------------------------|------|-------|-------|------|------|-----------------|-----------------|-----|------|------|------|------|-----|------|------|------|-------|----------------|
| Air     | CG30360PAA | P       | 28,500 kg - Allison<br>30,000 kg - ESCOT | 28,500 kg - Allison<br>38,000 kg - ESCOT | 5432                      | 2605                     | 8037                      | 4500 | 5185  | 8451  | 2490 | 2990 | 2062            | 1851            | 850 | 1370 | 1392 | 1760 | 2445 | 735 | 3765 | 201  | 1047 | 1059  | 8.74           |
|         | CG30360TAA | T       |  |  | 5465                      | 3196                     | 8661                      | 5200 | 5885  | 9917  |      | 2985 | 2044            | 1833            |     |      |      | 2510 | 3195 |     | 4465 | 200  | 1042 | 1058  | 9.83m          |
|         | CG30360VAA | V       |  |  | 5527                      | 3163                     | 8690                      | 5700 | 6385  | 11567 |      | 2985 | 2044            | 1833            |     |      |      | 3660 | 4345 |     | 4965 | 200  | 1041 | 1058  | 10.7m          |
| Leaf    | CG30360PAL | P       |  |  | 5263                      | 2818                     | 8081                      | 4500 | 5185  | 8337  |      | 2990 | 2062            | 1851            |     |      |      | 1760 | 2445 |     | 3765 | 262  | 1048 | 1092  | 8.74           |
|         | CG30360TAL | T       |  |  | TBD                       |                          | 5200                      | 5885 | 9917  | 2985  |      | 2044 | 1833            | 2510            |     |      |      | 3195 | 4465 |     | 259  | 1042 | 1092 | 9.83m |                |
|         | CG30360VAL | V       |  |  | TBD                       |                          | 5700                      | 6385 | 11566 | 2985  |      | 2044 | 1833            | 3660            |     |      |      | 4345 | 4965 |     | 259  | 1041 | 1092 | 10.7m |                |

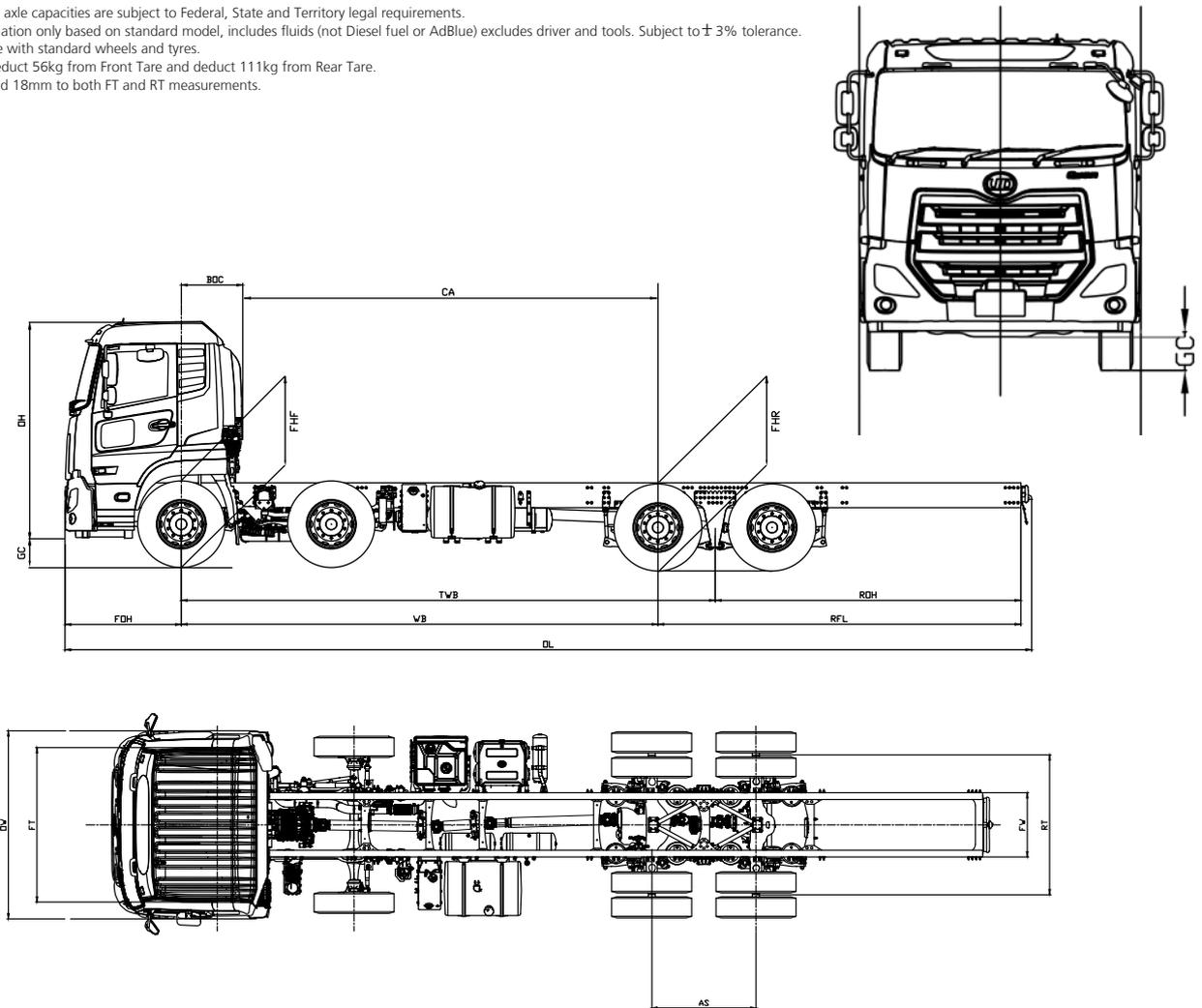
\*Rated GVM and axle capacities are subject to Federal, State and Territory legal requirements.

<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 ± 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<sup>+</sup>** 36 months / 500,000 kms  
**Cab corrosion warranty<sup>+</sup>** 36 months / unlimited kms  
**Extended warranty<sup>++</sup>** 60 months / 500,000 kms

<sup>+</sup>For details refer to your UD Trucks New Vehicle Warranty brochure

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