



UD TRUCKS



Quon

Moving you forward

Going the Extra Mile



Quon

In Japanese, the word Quon means the eternal flow of time. For us at UD Trucks it means the evolutionary growth of not just our company and our products, but also our relationship with our customers. Building on a legacy of reliability, quality and innovation, the new generation Quon incorporates past experiences and challenges, as well as input from our customers, to bring you the best in extra heavy trucking.

FUTURE-FORWARD

Quon leads the way with its driveability and overall efficiency, maintaining UD Trucks' commitment to provide transport operators with the lowest lifecycle costs possible.

The Quon range has always been designed and developed as a "smart worker" – a truck that works intelligently as part of a profitable transport solution.

The range's design fuses UD Trucks' tradition of environmentally friendly technology, with the smartness and stalwart power of a new-generation working truck that is endowed with high levels of intelligence.

TESTED & PERFECTED FOR AFRICA

The new generation Quon is the result of years of meticulous research and development across the world. Tailor-made for African road and operating conditions, the models launched locally are the culmination of extensive customer feedback and local engineering trials.

Focus areas included driveability, the transmission systems and overall economy, and after thousands of kilometres of testing, UD Trucks believes the new Quon range also adheres to stringent local requirements.

Engine

All the models in the range have been fitted with the GH13 series engine, which was developed by UD Trucks using Group engine technology.



- 13-litre in-line 6-cylinder turbo-intercooled engine
- Newly-developed unit injector – improved overall combustion efficiency, lower emissions, and reduced weight leads to improved fuel economy
- New Extra Engine Brake offers safer vehicle control on descents and slippery roads
- Voith retarder close coupled to transmission
- New technology leads to longer brake life and reduce driver fatigue specifically on long-hauls.
- Flat Torque Curve less fatigue, particularly during uphill hauls
- Electronic Engine Management diagnostics via multi-display unit on instrument panel.

One Engine, Three Power Ratings

Within the Quon range, the GH13 engine is offered with three power ratings:

- 270kW @ 1 500 – 1 800rpm and 1 754Nm @ 950 – 1 450rpm
- 300kW @ 1 400 – 1 800rpm and 2 040Nm @ 1 050 – 1 400rpm
- 360kW @ 1 400 – 1 800rpm and 2 448Nm @ 1 050 – 1 400rpm

EEB

UD Trucks' Quon range also boasts a new Extra Engine Brake or EEB, which offers 1 470Nm of braking torque at 2 300rpm (redline is at 2 100rpm). The EEB design specifically utilises both

the exhaust and the compression strokes of the engine to slow the vehicle down, and offers safer vehicle control on descents and slippery roads.

This means operators will have a longer brake life on their vehicles and reduce driver fatigue, specifically on long-hauls.

Engine Oil

Engine oil is filtrated by a two-piece full-flow long filters and a one-piece bypass long filter, which subsequently extends the service intervals of the vehicles to 30 000km for long-haul and 20 000km for medium-haul applications.

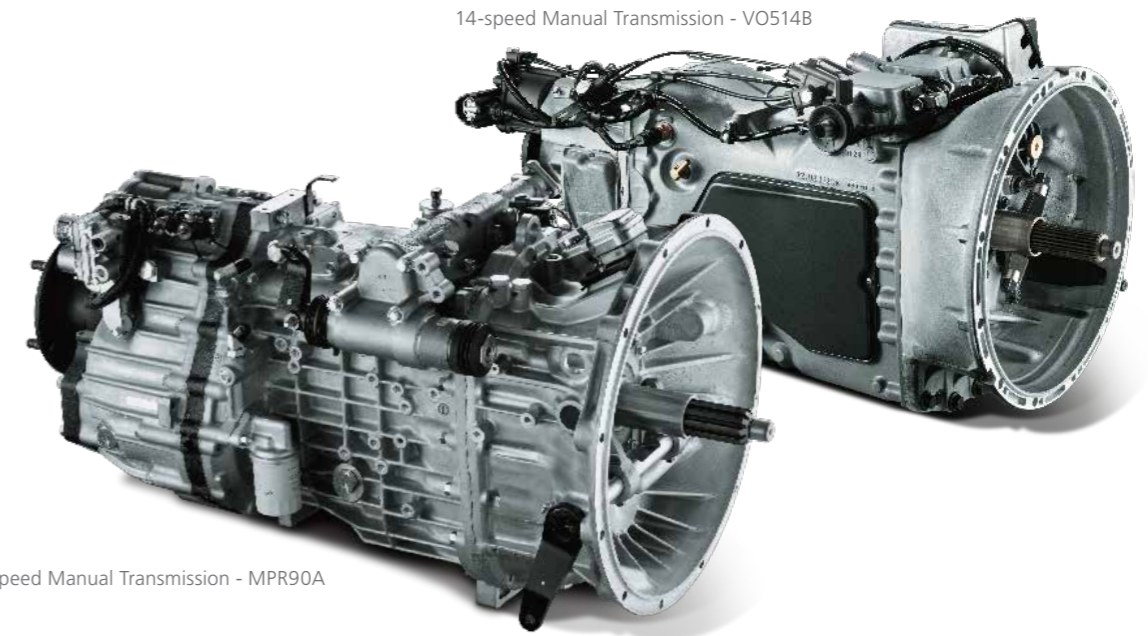
UD Trucks advises customers to make use of UD Trucks engine oil that has specifically been designed to provide maximum protection for engine components by reducing wear and tear on engine internals.

Fuel Filter

Another innovative feature is the remote activated draining of the engine's fuel filter water trap. The driver will be alerted by the multi-function display on the vehicle's dash that the water trap needs to be emptied, which the driver can subsequently do by simply pressing a button conveniently mounted on the dash.

Transmissions

One of the strengths of the new Quon range undoubtedly lies with the transmission. A selection of manual and automatic transmissions has been employed across the range to suit a range of applications and requirements.



Manual

Three manual transmissions are employed on the range; the MTS 75D 7-speed, the MPR90 9-speed and the VO214B 14-speed. Only the manual boxes are synchromesh-type and features power shift. There is also overrun protection on the 9 and 14-speed gearboxes, as well as a planet gear with range lock function on the 14-speed transmission.

Automatic

The ESCOT V transmission technology offers both power and economy in a wide variety of driving scenarios by increasing driving performance at low speeds and reducing engine speeds in high gear at cruising speeds.

The automatic gearboxes were specifically developed to:

- Improve safety;
- Improve overall economy;
- Offer operators easy driving capabilities.

The AO612 group new automated manual transmission, offers 2-pedal or clutch less operation through the innovative 12-speed ESCOT V gearshift mechanism. It is a non-synchromesh-type with improved PTO capabilities and innovative protection devices.

Innovative features:

- EHS
- ED Mode – Auto shift
- ED Economy
- Eco-Roll-Mode
- Manual Mode – Sequen
- Multi-functional display

The ESCOT V Automated transmissions also feature pressurised lubrication via the oil pump, ultra smooth clutch and launch control, auto-neutral engagement when the park brake is applied or if a gear is selected while the ignition is turned off.

Extended Oil Change Intervals for Escot

Improved overall economy is also achieved in the process, as the Quon models with automatic transmissions are only scheduled for their first oil change at 390 000km, with oil change intervals set at every 390 000km thereafter.

“ESCOT has been specifically designed for enhanced driver comfort and safety, lower maintenance as well as greater fuel efficiency.”

Chassis & Suspension

The chassis packaging of the new Quon range was rearranged to achieve more commonality and uniformity across the range.

Improvements made on the chassis packaging include:

- A lighter catwalk;
- A lower 5th wheel height on all 6x4 truck-tractors with mechanical suspension.

Off-Road

In standard format it is sufficient for off road. This includes updated front axle ratings, heavy duty front suspension and stabiliser, radiator protection, as well as a higher repositioned exhaust silencer and fuel tanks.

Air-Suspension

Air-suspension is provided by four bags with height adjustment on the GK models, so as a result 12R22.5 tyres are fitted on the rear axle. Two bags per axle are fitted on the GK models without height adjustment. The front tyres of the GK, as well as the balance of the model range are all fitted with 315/80R22.5 tyres.

Fuel Capacity

Fuel tank capacities range from 800-litres on the 6x4 truck-tractors, to 300-litres on the CW26 370 tipper and freight carrier models, while all other models feature 400-litre fuel tanks.

Cab/ Interior

Numerous enhancements have been made to the Quon range's cab to increase the driver's safety, comfort and convenience.

These cabs are now a lot more quiet, offers more space and storage room, and easy to reach controls. In addition, the long distance high roof versions now incorporate a double sleeping bunk.

All in all, the cabs represent a more driver-friendly, safe and comfortable environment for occupants, ensuring ease of operation and subsequently higher productivity levels – especially on long-haul trips.

This includes the user-friendly and convenient multi-functional display, intermittent wipers, as well as cruise control and keyless entry on the flagship GW26 490 TT model.

A three-piece steel front bumper incorporating an air-dam is featured on all air-suspension models, to enhance aerodynamics and stability by blocking the flow of turbulent air under the chassis.

Mass Ratings

With the launch of the new generation Quon range, UD Trucks Southern Africa has improved the mass ratings of its extra heavy vehicles:

MODEL	BENEFIT
GW26 410 TT	Increased D/T to 56 000kg
CW26 370 DT	Increased GVM to 30 000kg
CW26 370 FC	Increased D/T to 45 000kg
All 6x4 models	Improved 'V' rating of 25 700kg (was 25 500kg)
All 4x2 models	Improved 'V' rating of 16 700kg (was 16 500kg)
All models	New legal 7 700kg front axle rating (was 7 500kg)

"Spacious, safe and ergonomically developed."



Quon Model Line-up

MODEL & CODE	APPLICATION			CONFIGURATION W/BASE (MM)	ENGINE	OUTPUT	TRANSMISSION	FINAL DRIVE RATIO	PERFORMANCE 1	MASS RATING (KG)				BODY LENGTH 1	LEGAL BODY & PAYLOAD ALLOWANCE (KG)	MODEL NAMES	
	FREIGHT CARRIER	TRUCK TRACTOR	CONSTRUCTION			KW@R/MIN	TYPE		GEARED SPEED (KM/H)	CHASSIS/CAB MASS	GVM	GCM	GA (FRONT)	GA (REAR)			ALLOWED
						NM@R/MIN	SPEED/SYSTEM		MAXIMUM GRADE (%)								V
QUON EXTRA HEAVY RANGE																	
GK17 370 E01				4x2 3 530	UD Trucks GH13	270/1 500-1 800 1 754/950-1 450	UD Trucks MPR90A 9/SYNCHRO	4,625 : 1	119 37,34 @ D/T	6 740	17 200 16 700	41 000 41 000	8 200 7 700	11 000 9 000	N/A	9 960	GK17 370 - TT
GK17 410 E02				4x2 3 530	UD Trucks GH13	300/1 500-1 800 2 040/1 050-1 400	AO612D with ESCOT-V 12/NON SYNCHRO	4,100 : 1	128 44,43 @ D/T	6 830	17 200 16 700	45 000 45 000	8 200 7 700	11 000 9 000	N/A*	9 870	GK17 410 - TT AS HR
CW26 370 E03				6x4 4 350	UD Trucks GH13	270/1500-1800 1 754/950-1 450	UD Trucks MTS75D 7/SYNCHRO	5,857 : 1	111 49,80 @ V	8 320	30 000 25 700	36 000 36 000	8 200 7 700	22 000 18 000	N/A 5 290	17 380	CW26 370 - DT
CW26 370 E04				6x4 5 265	UD Trucks GH13	270/1 500-1 800 1 754/950-1 450	UD Trucks MTS75D 7/SYNCHRO	5,143 : 1	127,8 43,4 @ V	8 440	26 000 25 700	45 000 45 000	8 200 7 700	21 000 18 000	8 329 7 049	17 260	CW26 370 - FC
CW26 490 E05				6x4 5 265	UD Trucks GH13	360/1 500-1 800 2 448/1 050-1 400	AO612D with ESCOT-V 12/NON SYNCHRO	4,333 : 1	122 89,89 @ V	8 730	26 000 25 700	65 000 65 000	8 200 7 700	21 000 18 000	8 329 7 049	16 970	CW26 490 - FC
CW26 490 E07				6x4 5 265	UD Trucks GH13	360/1 500-1 800 2 448/1 050-1 400	AO612D with ESCOT-V 12/NON SYNCHRO	4,333 : 1	122 89,89 @ V	8 730	26 000 25 700	65 000 65 000	8 200 7 700	21 000 18 000	8 329 7 049	16 970	CW26 490 - FC
GW26 410 E08				6x4 3 950	UD Trucks GH13	300/1 500-1 800 2 040/1 050-1 400	AO612D with ESCOT-V 12/NON SYNCHRO	4,625 : 1	108 33,32 @ D/T	8 530	26 000 25 700	65 000 65 000	8 200 7 700	21 000 18 000	N/A	17 170	GW26 410 - TT
GW26 410 E09				6x4 3 950	UD Trucks GH13	300/1 500-1 800 2 040/1 050-1 400	AO612D with ESCOT-V 12/NON SYNCHRO	4,625 : 1	108 33,32 @ D/T	8 600	26 000 25 700	56 000 56 000	8 200 7 700	21 000 18 000	N/A	17 100	GW26 410 - TT HR
GW26 490 E11				6x4 3 950	UD Trucks GH13	360/1 500-1 800 2 448/1 050-1 400	AO612D with ESCOT-V 12/NON SYNCHRO	4,333 : 1	122 35,54 @ D/T	8 530	26 000 25 700	65 000 65 000	8 200 7 700	21 000 18 000	N/A	17 170	GW26 490 - TT
GW26 490 E13				6x4 3 950	UD Trucks GH13	360/1 500-1 800 2 448/1 050-1 400	AO612D with ESCOT-V 12/NON SYNCHRO	4,333 : 1	122 35,54 @ D/T	8 600	26 000 25 700	65 000 65 000	8 200 7 700	21 000 18 000	N/A	17 100	GW26 490 - TT HR
GW26 490 E14				6x4 3 950	UD Trucks GH13	360/1 500-1 800 2 448/1 050-1 400	AO612D with ESCOT-V 12/NON SYNCHRO	4,333 : 1	122 35,54 @ D/T	8 510	26 000 25 700	65 000 65 000	8 200 7 700	21 000 18 000	N/A	17 190	GW26 490 - TT AS HR
GW26 450 E15				6x4 3 950	UD Trucks GH13	330/1 500-1 800 2 244/1 050-1 400	AO612D with ESCOT-V 12/NON SYNCHRO	4,333 : 1	108 33,32 @ D/T	8 530	26 000 25 700	65 000 65 000	8 200 7 700	21 000 18 000	N/A	17 170	GW26 450 - TT
GW26 450 E16				6x4 3 950	UD Trucks GH13	330/1 500-1 800 2 244/1 050-1 400	AO612D with ESCOT-V 12/NON SYNCHRO	4,333 : 1	108 33,32 @ D/T	8 600	26 000 25 700	65 000 65 000	8 200 7 700	21 000 18 000	N/A	17 100	GW26 450 - TT HR

■ VEHICLES USED IN REFUSE COMPACTOR APPLICATIONS. These are available with increased A/U (Rear) ratings. Please consult your dealer.

* DEPENDANT ON BODY DIMENSIONS.

Region-Wide Support

UD Trucks has a representative footprint across southern Africa, and all our dealers adhere to stringent quality requirements. As a result, we are able to deliver the same level of quality service to our customers, no matter where they are.

We place great emphasis on building long-term relationships with our customers and providing ongoing support throughout a product's lifecycle. UD Trucks' dealers remain committed to providing their customers with innovative transport solutions and service offerings, built on trust, in-depth industry knowledge and a strong technical skills set

Managing Repairs & Services

UD Trucks Southern Africa has introduced Managed Maintenance on all its new Quon extra heavy vehicles sold from March 2012.

UD Trucks' Managed Maintenance, an industry first, offers the company's complete management and overseeing of all repairs and service costs on behalf of its customers.

For more information on Managed Maintenance, visit www.udtrucks.co.za or contact your nearest UD Trucks dealership.



Customised Financial Solutions

UD Trucks Financial Services would like to assist you in making an informed decision regarding the finance of your UD Trucks vehicles.

We offer a range of products and services as part of our aim to provide a complete and convenient service throughout a vehicle's lifespan. These vehicle financing products include options like instalment sales, financial and operating leases, financial rentals as well as full maintenance agreements.

Rest assured, UD Financial Services is there to help you on your Road to Success.

For more information on UD Trucks Financial Services, visit www.udtrucks.co.za or contact your nearest UD Trucks dealership.

Adding Value to Your Business

UD Trucks offers a host of value-added products and services, covering all your fleet management needs, from the day of purchase, throughout a vehicle's lifespan.

These services include:

- Hellberg Transport Management Consultancy;
- Extended Warranties;
- Call Centre;
- Vehicle Tracking
- Vehicle Insurance

For more information on our range of Value Added Services, visit www.udtrucks.co.za or contact your nearest UD Trucks dealership.



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