

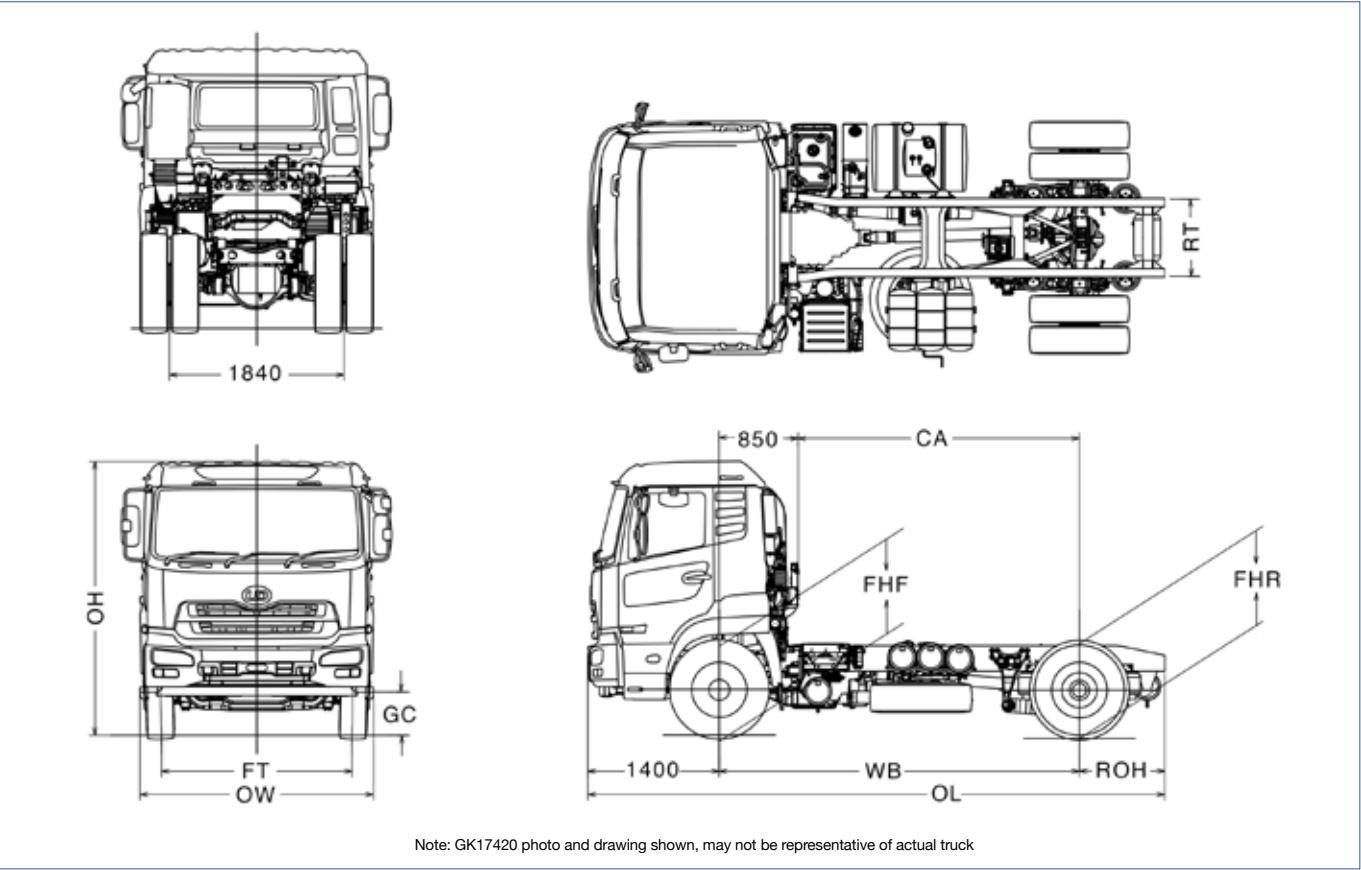
TYPICAL APPLICATIONS



PERFORMANCE (Calculated)		
	12 speed (AMT) 4.111 diff ratio and 11R 22.5	12 speed (AMT) 3.777 diff ratio and 275R7022.5
Max road speed	100km/h (ADR65/00 – Speed limited)	100km/h (ADR65/00 – Speed limited)
Gradeability 1st gear	39.6% @ 45000kg	38.8% @ 45000kg
Gradeability 9th gear	1.7% @ 45000kg	1.6% @ 45000kg
Est. RPM @ 100km/h:	1763rpm	1729rpm

GENERAL SPECIFICATIONS (Approximate)																				
Variant	Mass (kg)						Vehicle Dimensions (mm)													
	Wheelbase code	GVM*	GCM**	FA¹	RA¹	Total Tare¹	WB	OL	OW	OH²	FT	RT	ROH	CA	GC²	FHF²	FHR²	FHR² (Lowered height)	Turning radius (kerb to kerb)	UD order code
HAS – air	E	16500	45000	4485	1905	6390	3860	6230	2490	2930	2030	1840	915	3010	240	964	1010	940	6300	GK17420EAA

¹ Mass is an estimation only based on standard model, includes fluids (not diesel fuel or AdBlue), STC and spare, excludes tools and driver. When fitted with optional alloy wheels, subtract 37kg from front and 74kg from rear tare weight.
² Based on vehicle with standard wheels and tyres.



WARRANTY		
Standard warranty+	36 months/500,000 kms	+ For details refer to your UD Trucks New Vehicle Warranty brochure
Cab corrosion warranty+	36 months/unlimited kms	++Covers selected items only. For details refer to your UD Trucks New Vehicle Warranty brochure
Extended warranty++	36 months/800,000 kms	

NOTES: *Rated GVM and axle capacities are subject to Federal, State and Territory legal requirements.
www.udtrucks.com.au
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Issue date May 2013



UD TRUCKS

Quon

GK 17 420

G SERIES

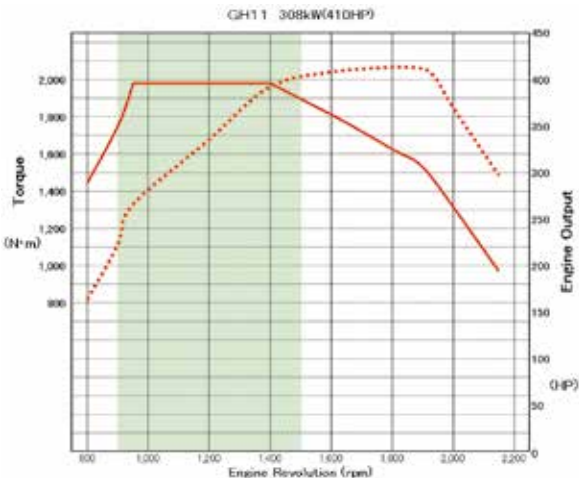
SPECIFICATIONS			
GVM*	16500kg	Power	308kW @ 1800rpm
GCM*	45000kg	Torque	1990Nm @ 950rpm
		Transmission	12 speed, 2 pedal - AMT
		Suspension	UD Trucks Air bag



Note: GK17420 cab chassis shown – may not be representative of actual vehicle

ECO FLEET	SAFETY	FEATURES
SCR engine emission technology	SRS drivers air bag with seat belt pretensioner	Touch screen multimedia audio system with NAVTEQ satellite navigation
Reduced greenhouse emissions - less CO² emitted	ECE-R29 Cab strength compliant	Bluetooth handsfree
ADR84/00 (ECE-R93) integrated Front Underrun Protection (FUPS)	ADR84/00 (ECE-R93) integrated Front Underrun Protection (FUPS)	6500kg front axle capacity
ADR80/03 compliant – (Euro 5)	EBS electronic controlled braking with ABS and traction control (ASR)	Engine and exhaust brakes
ESCOT-Roll transmission programming	Easy Hill Start (EHS)	Cruise control
	Electrically operated and heated mirrors	Auto climate control A/C
	360° visibility (by using up to 3 optional cameras)	ADR42 compliant sleeper cab with mattress
		Heated or cooled drink holders and lunch compartment
		Factory custom paint finish options


ENGINE	
Make	UD Trucks
Model	GH11TC
Description	4 cycle, direct injection, diesel engine with overhead cam, 4 valves per cylinder, water cooled and intercooler with variable turbocharging system.
Cylinders	6 in-line
Total piston displacement	10837cc (11 litres)
Bore x stroke	123mm x 152mm
Compression ratio	17:1
Max. Power (ECE Net)	308kW (419ps) @ 1800rpm
Max. Power (JIS Gross est.)	319kW (434ps) @ 1800rpm
Max. Torque (ECE Net)	1990Nm (1476lb/ft) @ 950rpm
Max. Torque (JIS Gross est.)	2066Nm (1523lb/ft) @ 950rpm
Max. governed engine speed	2300rpm



Lubrication system	Gear pump, flat tube oil cooler, 2 x full-flow and 1 x bi-pass replaceable oil filters
Compressed air system	Water cooled, twin cylinder 900L/min air compressor with oil mist separator, and air dryer
Cooling system	Centrifugal water pump, wax pellet type thermostats with bypass. 720/750mm Aluminium radiator with external mounted reserve tank and a 680mm Dia viscous coupling cooling fan

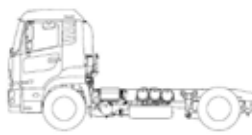
FUEL AND INTAKE SYSTEM	
Injection type	Ultra high pressure unit injection system
Filtration	Primary and engine mounted filters
Capacity	400 litre aluminium tank with lockable cap on RHS chassis
Air filtration	Primary and secondary paper element air filters on LHS
Air intake	High mounted LHS air intake
EXHAUST AND EMISSION CONTROL	
Emission standard	ADR80/03 (Euro 5)
Emission system	Selective Catalytic Reduction (SCR)
AdBlue capacity	70 litre polymer tank with lockable cap on RHS
Exhaust system	RHS chassis box muffler/catalytic converter with rear facing exhaust discharge under truck

ELECTRICAL	
Power	24 volt, negative ground system
Battery capacity	2 x 12 volt 140 Ah batteries mounted on LHS chassis
Alternator	130 amp MELCO
Factory electrical connections	24 volt trailer lighting and ABS wiring supplied to the rear of chassis

CLUTCH							
Make	UD Trucks						
Description	Dry single organic plate with pull type diaphragm						
Disc diameter	430mm						
Mechanism	Hydraulically operated with air assistance						
TRANSMISSION							
Make	UD Trucks						
Model	ATO2612D						
Description	Fully automated manual (ESCOT V) 12 forward and 2 reverse gears. Synchronised Range and splitter gears						
Shift type	Electronic sequential shifter						
Gear ratios		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	Rev 1	13.73
		6th	3.41	12th	0.79	Rev 2	10.78
PTO capability	Rear mount opening with 500Nm @ 103% or 81% engine speed						

FRONT AXLE AND SUSPENSION SYSTEM	
Axle make	UD Trucks
Description	Drop forged steel "I" section beam, "ELLIOT" type
Suspension	Taper leaf spring
Dimensions (mm)	90mm x 1550mm
Number of leaves	4
Spring constant	430N/mm (43.8kg/mm)
Shock absorbers	2 x telescopic double acting
Stabiliser bar	Fitted
Max. ground capacity	Refer to the <i>Load Capacity Summary</i> on Page 3

REAR AXLE AND SUSPENSION SYSTEM	
Axle make	UD Trucks
Type	Fully floating pressed steel banjo type housing with heavy duty single drive configuration
Gear type	Single reduction, hypoid gear
Final reduction ratio	4.111:1
AIR SUSPENSION	
Description	UD Trucks full floating with v-type control rod
Air spring diameter	317mm
Number of springs	4 air bags
Spring constant	89N/mm (9.1kg/mm)
Shock absorbers	2 telescopic double acting
Stabiliser bar	Fitted
Road Friendly Certification Number (RFCN)	RF2058
Control system	WABCO ECAS (Electronic Controlled Air Suspension) with programmable remote control mounted in cab
Max. ground capacity	Refer to the <i>Load Capacity Summary</i> on Page 3

LOAD CAPACITY SUMMARY			
			
	Front (kg)	Rear (kg)	
Axle	8200	11500	
Steering/suspension	6500	10500	
Tyres	7100	11600	
Max. ground capacity*	6500	10500	
BRAKES			
Type	WABCO Electronic Braking System (EBS)		
Description	Full electronically controlled EBS system with aluminium air tanks, automatic adjusting, taper roller drum brakes, 4 channel ABS, traction control (ASR) and Easy Hill Start (EHS)		
Air pressure	7.9 - 9.5kg/cm ²		
	Front	Rear	Total
Drum diameter	410mm	410mm	
Lining area	2984cm ²	3648cm ²	6632cm ²
Park brakes	Spring park brake on steer and drive axles		
Trailer controls	Progressive trailer brake and hand controller		
Auxiliary brake	Exhaust plus Engine compression type (EEB)		
Factory air connections	Trailer air connections to rear of cab		
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	460mm diameter with ignition key steering lock		
WHEELS AND TYRES			
Wheels	Pressed steel disc type 8.25in x 22.5in rim with 165mm offset and ISO 10 stud pattern (335mm PCD)		
Front tyres	Single 295/80R 22.5 Dunlop SP350, regroovable		
Rear tyres	Dual 11R 22.5 Dunlop SP431, regroovable		
Spare tyre	Single 295/80R 22.5 Dunlop SP350, regroovable mounted on Spare Tyre Carrier, LHS chassis		
FRAME			
Construction	Ladder type chassis construction		
Type	Rear of frame (ROF) cut for primemover application		
Width	840mm		
Side rail dimensions	275mm x 90mm x 7mm + 261mm x 82mm x 3.2mm		
Material	Pressed high tensile carbon steel		
Rail data	Tensile	Yield	Modulus
	55kg/mm ²	48kg/mm ²	Refer to Body Manual www.udtrucks.com.au
Turntable angles	Fitted (conform to VSB6)		
STANDARD DRIVER AIDS			
Safety equipment	SRS driver steering wheel air bag SRS driver seat belt pretensioner ECE-R29 cab crash compliance ADR84/00 (ECE-R93) Front Underrun Protection System compliance (FUPS) ABS – Anti-lock Brake System WABCO Electronic Braking System (EBS) Anti Slip Regulation (ASR) Easy Hill Start (EHS)		
Instrumentation	Fully electronic, CAN-BUS instrument system including speedometer, tachometer with economical green driving band, fuel, AdBlue and independent front and rear air circuit pressure gauges. Digital odometer display with dual trip function.		
Warning systems	Up to 40 visual warning lamps plus more than 10 different written warnings displayed on the LCD screen. In conjunction, various audible tones are used.		
Driver assistance	A Driver Information System (DIS) displaying useful vehicle data including: date/time, oil pressure, voltmeter, trip information, along with service intervals for engine, transmission and differentials. Electronic stalk mounted cruise control. GPS satellite navigation with NAVTEQ "truck" mapping.		

EXTERNAL CABIN	
Description	Aerodynamically designed, forward control, pressed steel construction cab with 65° electro / hydraulic tilt
Mounting type	Full floating, 4 bag air suspended cab with 4 dual acting shock absorbers and dual automatic height control valves
Crash test standard	ECE-R29 compliant
Cab paint	Standard – Jumping White (W33)
Doors	90° opening, steel construction with side intrusion beams
Inspection points	Most daily inspections can be carried out without lifting the cab from the front opening inspection panel. The power steer and coolant are behind the cab on the driver side.
Bumper type	3 piece, pressed steel, air dam front bumper
Mirrors	Heated and electrically operated LH and RH main mirrors with wide vision spot mirrors and down facing spot mirror
Lamps	Halogen multi-reflector head lamps ADR49/00 bumper mounted fog lamps ADR49/00 roof mounted clearance lights Rear of cab mounted (rear facing) flood (work) lamp
Glass	Tinted front, side and rear
Wipers	Triple arm, 2 speed wipers with variable intermittent
Reversing system	Rear facing reverse light and audible warning alarm Optional remote mounted camera/s with microphone (see <i>Dealer Options</i> list)

INTERNAL CABIN	
Lighting	Dual ON/OFF/DOOR interior lights with an independent 720mm x 140mm fluorescent lamp
Seating	2 occupant seats with retractable 3 point ELR seat belts
Driver seat	Multi adjustable, air suspended with automatic height control and adjustable shock absorber.
Passenger seat(s)	Flat folding LH assistant seat with lift up base
Sleeping capability	ADR42/04 compliant sleeper bunk with mattress (suitable for "2-up driving"), full cab curtains
Side windows	Power operated door glass
Security	Remote keyless central locking
Air conditioning	Fully automatic electronic climate controlled
Audio system	Double DIN sized, AM/FM/CD 4.8" touch screen multimedia system with USB, SD card and Bluetooth capability
Cup holders	2 heated or cooled centre mounted cup holders RH and LH door mounted bottle holders Additional passenger side mounted cup holder
Storage	3 litre capacity storage box with lid (heated or cooled) 16 litre centre console mounted storage box with lid 9 litre overhead centre mounted console with lid Dual overhead document pockets (behind survivors) Driver and passenger door pockets
Power outlet	24 volt 240W cigarette lighter/power outlet
Accessory fitment	Two DIN sized compartments for accessory fitment
Floor covering	Vinyl

FACTORY OPTIONAL EQUIPMENT (Indent order)	
Tyres	275/70R22.5 - With 3.888 diff ratio (6300kg FA capacity)
Seating	Centre seat with seat belt (replaces centre console)
PTO control	Engine governor / Transmission Control Switch and lever
Rear engine PTO	650Nm capacity @ 108% engine speed
Transmission PTO	500Nm capacity @ 103% or 81% engine speed
Cab paint	20 x factory option colours Custom paint colours (up to 3 colours per cab)

DEALER FIT OPTIONAL EQUIPMENT	
Fleet management	GPS-based fleet management system
Cameras	Up to 3 cameras connected to the std in-dash unit
Wheels	22.5in Alcoa aluminium wheels
Other	Refer to your UD Trucks Accessories brochure www.udtrucks.com.au