

# GK SERIES EURO 5



**MODEL:** **GK17-420**  
4 x 2

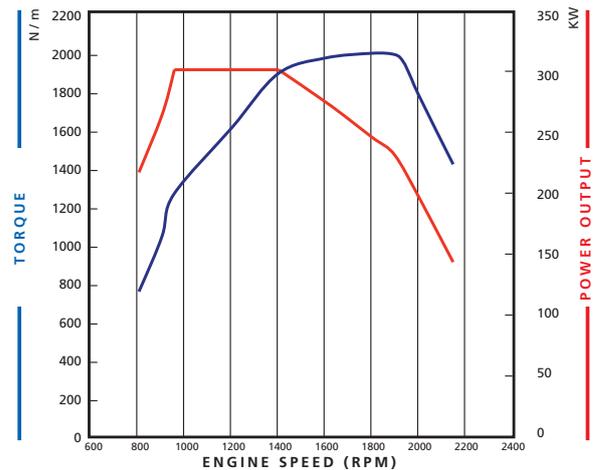
GVW 16,500kg  
GCW 45,000kg

## ENGINE:

### Engine

Model	GH11
Type	Six cylinder in line, 24 valve, OHC, 4 stroke direct injection, turbo charged diesel with intercooler
Displacement	10837cc
Bore and stroke	123 x 152mm
Maximum output ECE	419 PS (308 kW) at 1800rpm (nett)
Maximum torque ECE	1990 Nm (1476lb/ft) at 950rpm (nett)
Maximum output JIS	434 PS (319 kW) at 1800rpm (gross)
Maximum torque JIS	2066 Nm (1523lb/ft) at 950rpm (gross)
On load max rpm	2300
Total Oil capacity	33 litres
Lubrication system	Gear pump, flat tube oil cooler, 2 x full flow and 1 x by-pass oil filters.
Air cleaner	Primary and secondary paper element air filters.
Standard air intake	High mounted left hand side
Emission standard	ADR80/03- Euro 5
Primary	Selective Catalytic Reduction (SCR)
AdBlue tank	70 litre polymer tank with lockable cap

UD TRUCKS MOTOR GH11 308KW (420)



### Engine Cooling System

Radiator	Corrugated fin type
Water pump	Centrifugal
Header tank	Expansion type fitted
Temperature control	Wax pellet type thermostat
Fan	680mm mounted on viscous hub

## DRIVELINE, ELECTRICAL & FUEL:

### Clutch

Make	UD Trucks
Type	Dry single plate with push type diaphragm Hydraulically operated with air assist
Clutch diameter	430mm

### Front Axle

Model	UD Trucks Dropped Forged reverse Elliot "I" Beam Factory Rated at 8,200kg
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### Rear Axle

Model	UD Trucks
Type	Fully floating pressed steel banjo housing
Factory rated at	10,500kg each

### Differential

Model	UD Trucks
Type	Single reduction hypoid
Standard Ratio	3.888:1

### Gearbox

Model	UD Trucks ATO2612D – 2 pedal operation																																
Gearshift	Fully automated manual (Escot 5) 12 forward and two reverse gears. Synchronised range and splitter gears.																																
Shift type	Electronic sequential shifter																																
Ratios	<table border="0"> <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>0.79</td> </tr> <tr> <td>Reverse 1</td> <td>13.73</td> <td></td> <td></td> </tr> <tr> <td>Reverse 2</td> <td>10.78</td> <td></td> <td></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	0.79	Reverse 1	13.73			Reverse 2	10.78		
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### Electrical System

System	24 volt negative earth
Batteries	2 x 12 volt 140 Ah.
Alternator	130 amp

### Fuel system

Tank Capacity	400 litre alloy tank mounted on RHS chassis
Fuel system	Ultra high pressure unit injectors
Fuel filter	Primary and secondary engine mounted filters

CHASSIS	Chassis		Suspension	
	Type	Ladder channel section side rails	Front	Semi-elliptic 4 taper leaf springs. 90 x 1550mm
Dimension	275 x 90 x 7mm	Spring constant	28.5 kg / mm per spring	
Material	Pressed carbon steel 55kg / mm <sup>2</sup> tensile steel	Rear	UD Trucks 4 Bag fully floating air suspension with V link controls	
Brakes	<b>Brakes</b>	Spring constant	12.6 kg/mm	
Service	Dual line full air, wedge type, ABS, EBS with ASR. Oil mist separator and air dryer	Type	<b>Steering &amp; Wheels</b>	
Drum dimensions		Reduction ratio	Integral power assisted recirculating ball steering box	
Front	410 x 180 mm	Steering wheel	24.1~26.8	
Rear	410 x 220 mm	Steering column	460mm diameter moulded polyurethane grip	
Total lining	6,632 cm <sup>2</sup>	Road Wheels	Fore / aft tilt, telescopic and lockable	
Parking brakes	Spring brakes acting on rear wheels	Tyres	Pressed steel disc 8.25 x 22.5, ISO 335mm PCD, 10 stud, 165mm offset	
Auxiliary brakes	Exhaust plus engine decompression brake		Front: 275/70 22.5 tubeless radials Rear : 275/70 22.5 tubeless radials	

CAB & INSTRUMENTS	Gauges		Interior	
	Instrument gauges	Fuel, dual air pressure, tachometer, AdBlue gauge. Speedometer with odometer and trip meter.	Drivers seat	Cloth trimmed high-back multi adjustable air suspended seat with automatic height control. 3 point ELR lap sash seatbelts
Multi Display	Water temperature, Engine oil temperature, Engine oil pressure day, date and time, service intervals.	Passengers seat	Cloth trimmed reclining high-back type fixed seat with lift up base. 3 point ELR lap sash seatbelts	
Warning lamps	<b>Warning Devices</b> Engine control warning, low air pressure, parking brake/spring brake, hazard, air filter element, low oil pressure, oil filter clog, battery charge, SCR trouble, AdBlue quality	Sun visors	Driver and passenger side	
Indicator lamps	Turn signal, EE/exhaust brake, air heater, high beam, cruise control, non ABS trailer	Overhead tray	Document holders on drivers and passenger side	
Devices include	<b>Audible warning</b> Low air pressure, Engine system, Engine oil low level, Engine oil pressure, Overheat, Coolant level, Engine oil temp, EBS, Large clutch load, Defective range shift warning, Reverse buzzer, N setting buzzer, AdBlue low level.	Cup holder	Hot/cold holder in centre console	
Type	<b>Exterior</b> Steel construction fully suspended forward control Meets ECE-R29 safety standard. FUPS bars standard	Floor covering	Vinyl	
Cab suspension	Full air suspension with hydraulic shock absorbers	Bunk	Bed in rear of cab, cloth trimmed type	
Tilting	Electric-Hydraulic tilt system to 65 deg	Control switches	<b>Standard equipment</b> Two stalk controls which incorporate Reversing lamp, roof marker lamps 1. Turn signal, lighting 2. Wiper/washer/engine/exhaust brake, hazard warning, cruise control	
Windshield	Laminated tinted safety glass	Features	<ul style="list-style-type: none"> <li>• Door intrusion bars</li> <li>• Air conditioner/Heater demister</li> <li>• 4 mode operation with 4 speed fan</li> <li>• Engine idling control button</li> <li>• Electric windows</li> <li>• Central Locking</li> <li>• UD Trucks Multi Media double din audio system</li> <li>• Cigar lighter</li> <li>• Electric horn</li> <li>• Foot rest</li> <li>• Spare tyre</li> <li>• Equipped tyre carrier</li> <li>• Tool kit</li> </ul>	
Windshield wiper	Three arms, dual speed with intermittent operation	Lamps	<ul style="list-style-type: none"> <li>• Halogen head lamps</li> <li>• Hazard / Turn signal / Clearance lamps</li> <li>• Stop / Tail lamps</li> <li>• Reversing Lamp</li> <li>• Roof marker lamps</li> <li>• License plate lamp</li> </ul>	
Side and rear windows	Tinted safety glass			
Cab front lid	Hinged for easy checking of maintenance (clutch fluid, coolant, engine oil)			
Mirrors	Heated and electrically operated main mirrors. Passenger side rear and downward spotter mirrors			

Dimensions & Performance

**Cab & Chassis Weights Kg**

Model GK17-420	Front	Rear	Total
* With 20 litres of fuel, no spare wheel or tools	4440	1840	6280
* With 400 litres of fuel, spare wheel and tools	4640	2070	6710

**IMPORTANT NOTICE:** Weights obtained by weighing a vehicle on a NZ Govt. certified weighbridge. Please note that weights may vary from unit to unit.

Overall height 2890mm  
Chassis width 840mm  
Chassis height at R/A 930 mm

**UD TRUCKS**