#### TYPICAL APPLICATIONS







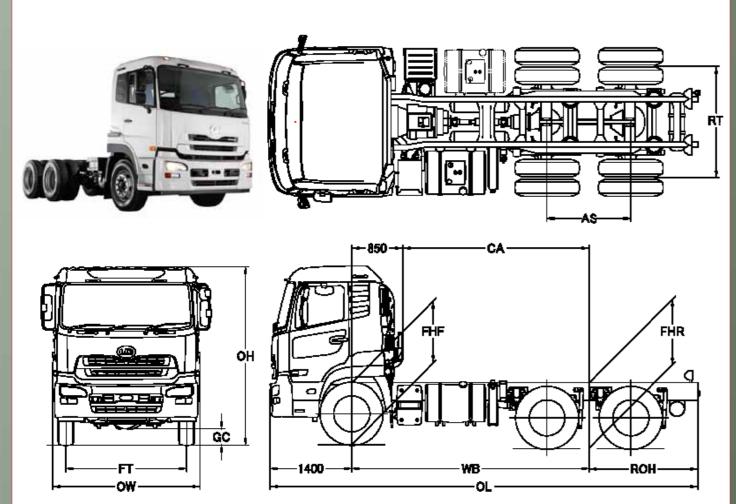
Skip/Tanker Single Trailer/Intrastate Transport B-double Metro/Interstate Tipper and Dog/Super

PERFORMANCE (Calculated)		
	18 speed (MTM) with 4.625 diff ratio and 11R 22.5 tyres	18 speed (ATM) with 4.625 diff ratio and 11R 22.5 tyres
Max road speed	100km/h (ADR65/00 – speed limited)	100km/h (ADR65/00 – speed limited)
Gradeability 1st gear	38.6% @ 70000kg	32.5% @ 70000kg
Gradeability 18th gear	1.0%@ 70000kg	1.0%@ 70000kg
Estimated rpm @ 100km/h	1761rpm	1761rpm

GENERAL SE	GENERAL SPECIFICATIONS (Approximate)																					
	Mass	(kg)					Vehicle	ehicle Dimensions (mm)														
Variant	İ	Wheelbase code	GVM*	GCM**	FA¹	PA¹	Total Tare¹	WB	OF	MO	OH2	Ħ	RT	AS	ROH	CA	gC²	FHF2	FHR <sup>2</sup>	FHR² (lowered height)	Turning radius (kerb to kerb)	UD Order Code
6 rod loof	AMT	Н	26 000	70,000	4 660	2 500	0 040	2 050	7 105	2 400	2 000	2 040	1 0/0	1 200	1 010	2 100	260	1 000	1 000	N/A	6 000	GW26470HAL
6 rod – leaf	MTM	П	20,000	70,000	4,000	3,360	0,240	3,930	7,100	2,490	2,990	2,040	1,040	1,300	1,010	3,100	200	1,000	1,090	IN/A	6,900	GW26470H18L
HAS 460	AMT	н	26 000	70 000	1 665	2/25	Q 100	3 050	7 105	2 400	2 000	2 040	1 9/10	1 400	1 910	2 100	260	005	1 050	1 010	7 000	GW26470HAA

Mass is an estimation only based on standard model, includes fluids (not diesel fuel or AdBlue) excludes tools, STC, spare wheel and driver. When fitted with option alloy wheels, subtract 37kg from front and 148kg from rear tare weight.

<sup>&</sup>lt;sup>2</sup> Based on vehicle with standard wheels and tyres.



Note: GW 26 470 photo and drawing shown; may not be representative of actual truck.

WARRANTY		
Standard warranty+	36 months/500,000 kms	+ For details refer to your UD Trucks New Vehicle Warranty brochure Pub No. AUS000273
Cab corrosion warranty+	36 months/unlimited kms	++ Covers selected items only. For details refer to your UD Trucks New Vehicle Warranty brochure Pub
Extended warrantv++	36 months/800 000 kms	No. AUS000273

NOTES: \*Rated GVM and axle capacities are subject to Federal, State and Territory legal requirements. \*\*Higher GCM on engineering application, see your UD Trucks dealer.

www.udtrucks.com.a

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Issue date December 2011



Ratings

26m B-Double (standard)

Road Train (optional) on application

# Quon GW 26 470

SERIES

UD Trucks 6 rod or Hendrickson air bag

SPECIFICATIONS			
GVM*	26000kg	Power	340kW @ 1800rpm
GCM	70000kg	Torque	2255Nm @ 1200rpm
Opt GCM*	On application	Transmission	18 speed AMT or 18 speed manual

Suspension



Note: GW 26 470 cab chassis shown – may not be representative of actual vehicle

## **ECO FLEET**

SCR engine emission technology

Reduced greenhouse emissions – less  ${\rm CO_2}$  emitted

ADR80/03 compliant – JPN 05LT (lower than Euro 5 emission levels)

AMT with Eco Fleet shift programming

Newest Japanese HD-T cab with latest aerodynamic "low drag" performance

#### **SAFETY**

SRS driver's air bag with seat belt pretensioner

ECE-R29 Cab strength compliant

ADR84/00 (ECE-R93) integrated Front Underrun Protection (FUPS)

EBS electronic controlled braking with ABS and traction control (ASR)

Electrically operated and heated mirrors

360° visibility (by using up to 3 optional cameras

### FEATURES

Touch screen multimedia audio system with NAVTEQ satellite navigation

Bluetooth "hands free"

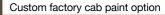
6,500kg front axle capacity

Engine and exhaust brakes

Cruise control

Auto climate control A/C

ADR42 compliant sleeper cab with mattress

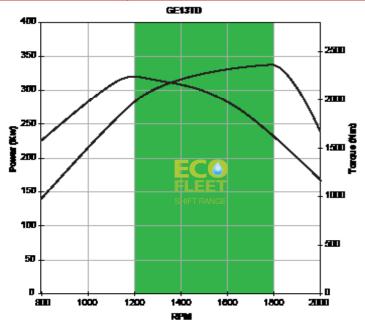




SAVE MONEY AND THE EARTH



ENGINE	
Make	UD Trucks
Model	GE13TD
Description	4 cycle, direct injection, diesel engine with overhead cam, 4 valves per cylinder, water cooled and intercooler with turbocharging system.
Cylinders	6 in-line
Total piston displacement	13074cc (13 litres)
Bore x stroke	136mm x 150mm
Compression ratio	17.5:1
Max. Power (ECE Net)	338kW (460ps) @ 1800rpm
Max. Power (JIS Gross est.)	352kW (476ps) @ 1800rpm
Max. Torque (ECE Net)	2255Nm (1663lb/ft) @ 1200rpm
Max. Torque (JIS Gross est.)	2334Nm (1721lb/ft) @ 1200rpm
Max. governed engine speed	2000rpm



Lubrication system	Forced oil feed by gear pump, flat tube oil cooler, full flov and bi-pass oil filters with replaceable elements and 42 litre capacity
Compressed air system	Water cooled reciprocating type, twin cylinder air compressor with oil mist separator and air dryer
Cooling system	Forced feed by centrifugal water pump, wax pellet type twin thermostats with bypass. Aluminium corrugated fir type radiator with external mounted reserve tank and a 720mm diameter 10 blade viscous coupling cooling far

FUEL AND INTAKE SYSTEM	
FUEL AND INTAKE SYSTEM	
Injection type	Ultra high pressure unit injector system
Filtration	Chassis mounted primary and engine mounted secondar
Capacity	400 litre aluminium tank with lockable cap mounted on LHS chassis
Air filtration	Primary and secondary dry paper element air filters on LHS under cab
Air intake	High mounted LHS air intake
EVITATION AND EMISSION OF	NITOOL

EXHAUST AND EMISSION CO	NTROL
Emission standard	ADR80/03 (Japan 05LT - Euro 5 emission levels)
Emission system <b>ECO FLEET</b>	Primary – Selective Catalytic Reduction (SCR) Secondary – Electronic controlled selective cooled EGF
AdBlue capacity	55 litre stainless steel tank with lockable cap mounted o LHS
Exhaust system	LHS chassis mounted box muffler/catalytic converter with horizontal exhaust discharge under truck

ELECTRICAL									
Power	24 volt, negative ground system								
Battery capacity	2 x 12 volt 150 Ah batteries mounted on RHS chassis								
Alternator	60 amp brushless with built in IC regulator								
Factory electrical connections	24 volt trailer lighting and ABS wiring supplied to the rea of cab								
CLUTCH									
	<del></del>								

CLUTCH	
Make	UD Trucks
Description	Dry twin organic plates with pull type diaphragm
Disc diameter	400mm
Mechanism	Hydraulically operated with air assistance

TRANSMISSIONS											
18 SPEED MANUAL (MTM)											
Make	Eator	ı Fu	ller								
Model	Eaton Fuller  RTLO-18918B  Constant mesh mechanical transmission with 18 forward and 4 reverse gears. Integrated oil pump, front mounted oil cooler and 13 litre capacity  Mechanical remote control operated manual shift  Low range  14.40  8.51  1st  7.26  2.28  5th  1.94  1.38  3.74  1.17  60  7th  1.00  3.74  4th  1.07										
Description	and 4	l rev	erse g	gear	s. Integ	rate	d oil pu				
Shift type	Mech	nani	cal rer	note	contro	Ιор	erated	mar	nual sl	hift	
Gear ratios		Lo	ow rar	ige		Г					
110 e 1110	14.40		Low		12.29			Hig	ıh ran	ge	
	8.51		1st				2.28		5th		1.94
	6.05	split	2nd	spli	5.16		1.62	≝	6th	≝	1.38
	4.38		3rd				1.17		7th	h S	1.00
	3.20	۲	4th	I	2.73		0.86	Ļ	8th	Ξ	0.73
	15.06		Rev		4.03		12.85		Rev		3.43
PTO capability	RHS	6 b	olt and	bo	ttom 8 b	oolt	openin	as a	vailat	ole	

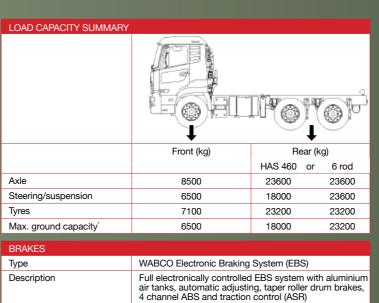
	15.06		Rev		4.03		12.85		Rev		3.43		
PTO capability	RHS 6 bolt and bottom 8 bolt openings available												
18 SPEED AUTOMATED MAN	UAL (ATM)												
Make ECO FLEET	Eaton Fuller												
Model	RTLO-18918A-AS3 (Autoshift™ - Gen3)												
Description	Constant mesh mechanical transmission with 18 forward and 4 reverse gears. Integrated oil pump, front mounted oil cooler and 13 litre capacity												
Shift type	Fully electronic automated shifting manual transmission with Eaton Cobra Shift lever and dash mounted gear display												
Gear ratios		Low range											
OTHER DESIGNATION	12.19		Low		10.39		High range						
II C	8.51		1st	_	7.26		2.28		5th		1.94		
	6.05	split	2nd	split	5.16		1.62	븚	6th	Ħ	1.38		
	4.38	Š	3rd	High	3.74		1.17	S	7th	High sp	1.00		
	3.20	۲	4th	I	2.73		0.86	Low	8th	Ξ	0.73		
	15.06		Rev		4.03		12.85		Rev		3.43		

FRONT AXLE AND SUSPENSION SYSTEM		
Axle make	UD Trucks	
Description	Drop forged steel "I" section beam, reverse "ELLIOT" type	
Suspension	Long taper leaf spring with anchor at front and shackle at rear	
Dimensions (mm)	90mm x 1550mm	
Number of leaves	4	
Spring constant	430N/mm (43.8kg/mm)	
Shock absorbers	2 telescopic double acting	
Max. ground capacity	Refer to the Load Capacity Summary on Page 3	

PTO capability

Bottom 8 bolt opening available

man. ground oupdons	Tield to the Load Sapacity Surrinary Stri age S
REAR AXLE AND SUSPENSION	
Axle make	UD Trucks
Туре	Fully floating pressed steel banjo type housing, in line tandem type power divider with electro/pneumatic remote lock-up (switch on dash)
Gear type	Single reduction, hypoid gear
Final Reduction ratio	4.625:1
LEAF 6 ROD SUSPENSION	
Description	Trunion mounted, semi-elliptic multi-leaf springs with 6 torque rods
Leaf dimensions (mm)	90mm x 1300mm
Number of leaves	8
Spring constant	2672N/mm (272.5kg/mm)
Max. ground capacity	Refer to the Load Capacity Summary on Page 3
AIR SUSPENSION	
Description	Hendrickson HAS460 - Road Friendly compliant
Air spring diameter	320mm
Number of springs	4 air bags
Spring constant	125N/mm (12.8kg/mm)
Shock absorbers	4 telescopic double acting
Road Friendly Certification Number (RFCN)	RF2022
Control system	Pneumatic height control valve with electronic air dump valve (switch on dash)
Max. ground capacity	Refer to the Load Capacity Summary on Page 3



WABCO Electronic Braking System (EBS)		
Full electronically controlled EBS system with aluminium air tanks, automatic adjusting, taper roller drum brakes, 4 channel ABS and traction control (ASR)		
7.2-8.5kg/cm <sup>2</sup>		
Front	Rear	Total
410mm	410mm	
2984cm <sup>2</sup>	7296cm <sup>2</sup>	10280cm <sup>2</sup>
Spring park brake	on both drive axles	S
Progressive trailer brake hand controller		
Butterfly type exhaust plus engine compression type (EE) brake		
Trailer supply and signal air connections to rear of cab		
	Full electronically air tanks, automa 4 channel ABS ar 7.2-8.5kg/cm² Front 410mm 2984cm² Spring park brake Progressive trailet Butterfly type exh (EE) brake	Full electronically controlled EBS systair tanks, automatic adjusting, taper r 4 channel ABS and traction control (# 7.2-8.5kg/cm²  Front Rear 410mm 410mm 2984cm² 7296cm²  Spring park brake on both drive axles Progressive trailer brake hand control Butterfly type exhaust plus engine co (EE) brake

STEERING	
Туре	Recirculating ball and screw with hydraulic assist
Steering gear ratio	22.42:1
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 strapped to rear of chassis. Spare tyre carrier (STC) mounted on RHS chassis

FRAME

Construction	Ladder, channel type chassis construction		
Туре	Rigid truck rear of frame (ROF)		
Width	840mm		
Side rail dimensions	298mm x 90mm x 7mm (6 rod leaf) 298mm x 90mm x 7mm + 284mm x 76mm x 5mm (HAS air)		
Material	Pressed high to	ensile carbon ste	el
Rail data	Tensile	Yield	Modulus
	55 kg/mm²	48kg/mm²	Refer to Body Manual www.udtrucks.com.au
Timetable anales	Fill I/ ( I VODO)		

Turntable angles	Fitted (conform to VSB6)
STANDARD DRIVER AIDS	
Safety equipment	SRS driver's steering wheel air bag SRS driver's 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)
Instrumentation ECO FLEET	Fully electronic, CAN-BUS instrument system including speedometer, tachometer (with economical green driving band), fuel, temperature and independent front and rear air circuit pressure gauges.  Digital odometer display with dual trip function. LED AdBlue level gauge.
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's 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	EC© FLEET	Aerodynamically designed, forward control, pressed ste construction cab with 65° electro/hydraulic tilt
Mounting type		Full floating, 4 bag air suspended cab with 4 dual actin shock absorbers and dual automatic height control valv
Crash test standard		ECE-R29 compliant
Cab paint		Standard – Jumping White (W33)
Doors		90° opening, steel construction with side intrusion bear
Inspection points		All daily inspections can be carried out without lifting t cab from the front opening inspection panel
Bumper type		3 piece, pressed steel, air dam front bumper
Mirrors		Heated and electrically operated LH and RH main mirror with wide vision spot mirrors and passenger side dow facing spot mirror
Lamps		Halogen multi-reflector headlamps (height adjustable 6 rod models) 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 operation and integrated washers
Reversing system		Rear facing reverse light and audible warning alarm Optional – remote mounted camera with microphone (see Dealer Options list)
INTERNAL CARIN		

Dual ON/OFF/DOOR interior lights with an independent 720mm x 140mm fluorescent lamp
2 occupant seats with retractable 3 point ELR seat belt
Multi-adjustable, air suspended with automatic height control
Flat folding LH assistant seat with lift-up base
ADR42/04 compliant sleeper bunk with mattress (suitabl for "2 up driving"), full cab curtain rails with curtains (covers all windows)
Power operated door glass
Remote keyless central locking
Fully automatic electronic climate controlled
Double DIN sized, AM/FM/CD 4.8" Touch screen multimedia system with USB, SD card and Bluetooth capability
2 heated or cooled centre mounted cup holders RH and LH door mounted bottle holders Additional passenger side mounted cup holder
Heated or cooled 3 litre capacity storage box with lid 16 litre centre console mounted storage box with lid Single 9 litre overhead centre mounted console with lid Dual overhead document pockets (behind sun visors) Driver and passenger door pockets
24 volt 240W cigarette lighter/power outlet
Two DIN sized compartments for accessory fitment
Carpet

FACTORY OPTIONAL EQUIPMENT (Indent order)		
Final drive ratio	4.875:1	
Suspension	Front stabiliser bar	
Fuel capacity	400 litre RHS chassis mounted aux. tank with lockable cap mounted RHS – replaces spare tyre carrier (STC)	
Seating	Centre seat with seat belt (replaces centre console)	
Engine/PTO control	Electronic engine governor control with external control lever	
Cab paint	20 x factory option colours Custom paint colours (up to 3 colours per cab)	
Electrical	80 amp brushless alternator with built in IC regulator	

DEALER FIT OPTIONAL EQUIPMENT	
Suspension	Hendrickson HAS-461 upgrade (allows up to 90t GCM)
Spare tyre	Spare wheel/tyre fitment
Ratings	Road train rating, higher GCM
Chassis type	Rear of frame (ROF) cut and angle for prime mover applications
PTO	Transmission
Fleet management	GPS-based fleet management system
Cameras	Up to 3 cameras connected to the in-dash multimedia system
Wheels	22.5in Alcoa aluminium wheels
Other	Refer to your UD Trucks Accessories brochure www.udtrucks.com.au



