

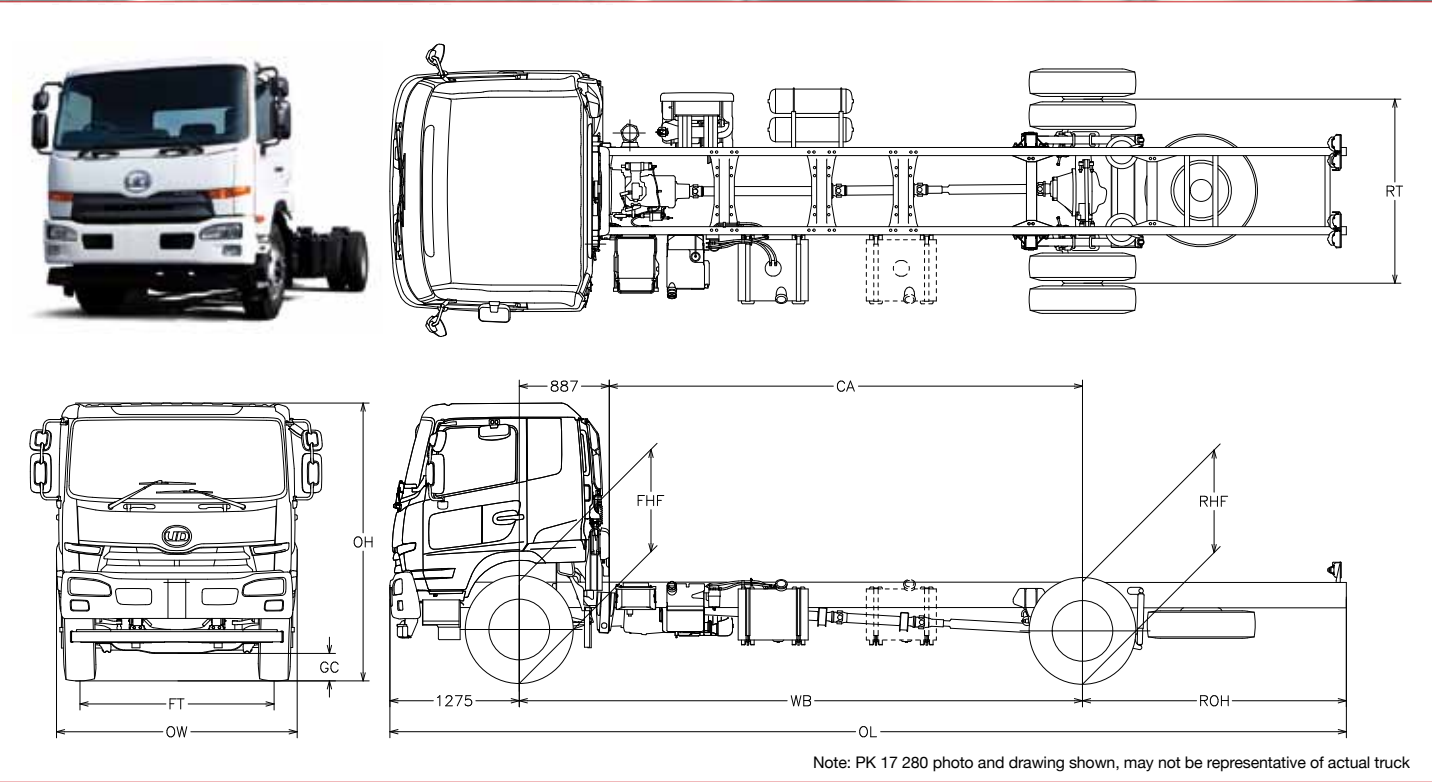
TYPICAL APPLICATIONS



PERFORMANCE (Calculated)			
	6 speed MPS manual with 5.571 diff ratio and 11R 22.5 tyres	6 speed Allison automatic with 6.166 diff ratio and 11R 22.5 tyres	9 speed Eaton manual with 4.625 diff ratio and 11R 22.5 tyre
Max road speed	100km/h (ADR65/00 – speed limited)	100km/h (ADR65/00 – speed limited)	100km/h (ADR65/00 – speed limited)
Gradeability 1st gear	40.4% @ 16500kg	55.8% @ 16500kg	68.4% @ 16500kg
Gradeability top gear	3.1% @ 16500kg	2.8% @ 16500kg	3.3% @ 16500kg
Estimated rpm @ 100km/h	2281rpm	2104rpm	2428rpm

GENERAL SPECIFICATIONS (Approximate)																				
		Mass (kg)					Vehicle Dimensions (mm)													
Variant	Wheelbase code	GVM*	GCM**	FA¹	RA¹	Total Tare¹	WB	OL	OW	OH²	FT	RT	ROH	CA	GC³	FHF²	FHR²	FHR² (lowered height)	Turning radius (kerb to kerb)	UD order code
6 speed	H	16500	20500	3095	1965	5060	4500	7625	2472	2734	1934	1860	1850	3613	266	965	984	939	8000	PK17280H6A
	N			3150	2085	5235	5550	9425					2600	4663					9600	PK17280N6A
	R			3175	2100	5275	6050	10125					2800	5163					10400	PK17280R6A
	S			3260	2200	5460	6450	10625					2900	5563					11100	PK17280S6A
Automatic	H	16500	20500	3130	1955	5085	4500	7625	2472	2734	1934	1860	1850	3613	266	965	984	939	8000	PK17280HAA
	K			3155	1975	5130	4900	8130					1955	4013					8600	PK17280KAA
	N			3190	2070	5260	5550	9425					2600	4663					9600	PK17280NAA
	R			3210	2090	5300	6050	10125					2800	5163					10400	PK17280RAA
	S	16500	20500	3300	2185	5485	6450	10625	2472	2734	1934	1860	2900	5563	266	965	984	939	11100	PK17280SAA
	H			3060	1970	5030	4500	7625					1850	3613					8000	PK17280H9A
	N			3130	2070	5200	5550	9425					2600	4663					9600	PK17280N9A
	R			3150	2090	5240	6050	10125					2800	5163					10400	PK17280R9A
	S			3225	2200	5425	6450	10625					2900	5563				11100	PK17280S9A	

¹ Mass is an estimation only based on standard model, includes fluids (not diesel fuel or AdBlue), STC and spare, excludes tools and driver.
² Based on vehicle with standard 295/80R 22.5 front and 11R 22.5 rear tyres.



WARRANTY		
Standard warranty+	36 months/200000 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 Extended Protection Plan brochure Pub No. AUS000472
Extended warranty++	36 months/350000 kms	

NOTES: *Rated GVM and axle capacities are subject to Federal, State and Territory legal requirements. **OPT higher GCM requires UD Trucks engineering approval. See your UD Trucks dealer.

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Issue date
August 2012



Condor PK 17 280

SERIES

SPECIFICATIONS

GVM*	16500kg	Power	206kW @ 2500rpm
GCM**	20500kg	Torque	883Nm @ 1400rpm
Opt GCM**	26000kg – 6 speed (on application) 32000kg – Automatic (on application) 32000kg – 9 speed (on application)	Transmission	6 speed manual 9 speed manual 6 speed automatic
		Suspension	Hendrickson air bag



Note: PK 17 280 cab chassis shown – may not be representative of actual vehicle

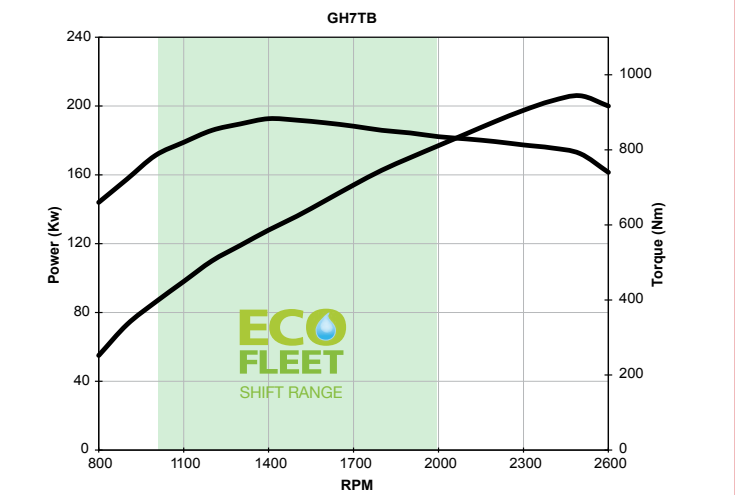
ECO FLEET	SAFETY	FEATURES
SCR engine emission technology	SRS driver's air bag with seat belt pretensioner	Touch screen multimedia audio system with NAVTEQ satellite navigation
Class leading 50 litre AdBlue tank capacity	ECE-R29 Cab strength compliant	Bluetooth "hands free"
ADR80/03 compliant – Euro 5 emission standard	ADR84/00 (ECE-R93) integrated Front Underrun Protection (FUPS)	6500kg front axle capacity
Automatic transmission with EcoFleet shift mode	Taper roller brake system with ABS	Cruise control
Newest Japanese MD-T cab with latest aerodynamic "low drag" performance	Electrically operated and heated mirrors	RE-PTO capability on all models
	360° visibility (by using up to 3 optional cameras)	ADR42 compliant sleeper cab with mattress
		Custom factory cab paint option



SAVE MONEY AND THE EARTH
ECO FLEET

www.udtrucks.com.au

ENGINE	
Make	UD Trucks
Model	GH7TB
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	7013cc (7 litres)
Bore x stroke	110mm x 123mm
Compression ratio	17.5:1
Max. Power (ECE Net)	206kW (280ps) @ 2500rpm
Max. Power (JIS Gross est.)	214kW (291ps) @ 2500rpm
Max. Torque (ECE Net)	883Nm (651lb/ft) @ 1400rpm
Max. Torque (JIS Gross est.)	917Nm (676lb/ft) @ 1400rpm
Max. governed engine speed	2600rpm



Lubrication system	Forced oil feed by gear pump, flat tube oil cooler, full flow and bi-pass oil filters with replaceable elements and 17 litre capacity
Compressed air system	Water cooled reciprocating type, single cylinder air compressor with air dryer
Cooling system	Forced feed by centrifugal water pump, wax pellet type thermostat with bypass. Aluminium corrugated fin type radiator with cab front bonnet mounted reserve tank and a 600mm diameter 11 blade viscous coupling cooling fan

FUEL AND INTAKE SYSTEM	
Injection type	Ultra high pressure common rail injection system
Filtration	Chassis mounted primary and engine mounted secondary
Capacity	200 litre steel tank with lockable cap mounted on LHS chassis
Air filtration	Primary dry paper element air filter on RHS under cab
Air intake	High mounted RHS air intake


EXHAUST AND EMISSION CONTROL	
Emission standard	ADR80/03 (Euro 5 emission standard)
Emission system	Selective Catalytic Reduction (SCR)
AdBlue capacity	50 litre polymer tank with lockable cap mounted on LHS
Exhaust system	RHS chassis mounted muffler/catalytic converter with horizontal rear facing exhaust discharge

ELECTRICAL	
Power	24 volt, negative ground system
Battery capacity	2 x 12 volt 120 Ah batteries mounted on LHS chassis
Alternator	130 amp with built in IC regulator

CLUTCH (manual models only)	
Make	UD Trucks
Description	Dry single organic plate with push type diaphragm
Disc diameter	380mm
Mechanism	Hydraulically operated with air assistance

TORQUE CONVERTER (automatic models only)	
Make	Allison
Model	TC 415
Description	One stage, three element, polyphase. Includes standard integral damper with lock-up function
Stall torque ratio	2.35:1

TRANSMISSION/S							
6 SPEED MANUAL							
Make	UD Trucks						
Model	MPS63B						
Description	Six forward speeds and one reverse, synchromesh 2nd to 6th gears. Non-synchro 1st and reverse						
Shift type	Mechanically operated shift with air servo assist						
Gear ratios		1st	7.03	4th	1.50	Rev	7.04
		2nd	4.28	5th	1.00		
		3rd	2.49	6th	0.78		

PTO capability		LHS 300Nm @ 100% engine speed (nominal ratio)																								
6 SPEED AUTOMATIC																										
Make		Allison																								
Model		3060P																								
Description		<div><div>ECO FLEET</div><div>Six forward speeds and one reverse. Fully automatic Allison Gen4 adaptive shift with Power and EcoFleet modes</div></div>																								
Shift type		Electronic push button controller																								
Gear ratios		<div><div></div><table><tr><td>1st</td><td>3.49</td><td></td><td>4th</td><td>1.00</td><td>Rev</td><td>5.03</td></tr><tr><td>2nd</td><td>1.86</td><td></td><td>5th</td><td>0.75</td><td colspan="2" rowspan="2"></td></tr><tr><td>3rd</td><td>1.41</td><td></td><td>6th</td><td>0.65</td></tr></table></div>						1st	3.49		4th	1.00	Rev	5.03	2nd	1.86		5th	0.75			3rd	1.41		6th	0.65
1st	3.49		4th	1.00	Rev	5.03																				
2nd	1.86		5th	0.75																						
3rd	1.41		6th	0.65																						
PTO capability		Flywheel type drive with LHS and RHS openings 660Nm using one opening, or 930Nm total using both openings																								

9 SPEED MANUAL							
Make	Eaton						
Model	ES11109						
Description	Nine forward synchromesh speeds and one non-synchro reverse.						
Shift type	Mechanical remote control operated shift						
Gear ratios		1st	12.64	2nd	8.81	6th	2.48
				3rd	6.55	7th	1.85
				4th	4.77	8th	1.34
		Rev	13.21	5th	3.55	9th	1.00
PTO capability	Two LHS and one rear openings available						

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)	80mm x 1400mm
Number of leaves	3
Spring constant	343N/mm (35.0kg/mm)
Shock absorbers	2 telescopic double acting
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 single drive
Gear type	Single reduction, hypoid gear
Final reduction ratio	6 speed manual – 5.571:1 6 speed automatic – 6.166:1 9 speed manual – 4.625:1

AIR SUSPENSION	
Description	Hendrickson HAS230 – Road Friendly compliant
Air spring diameter	320mm
Number of springs	2 air bags
Spring constant	125N/mm (12.8kg/mm)
Shock absorbers	2 telescopic double acting
Road Friendly Certification Number (RFCN)	RF2005
Control system	WABCO ECAS (Electronic Controlled Air Suspension) with programmable remote control in cab
Max. ground capacity	Refer to the <i>Load Capacity Summary</i> on Page 3

LOAD CAPACITY SUMMARY		
	Front (kg)	Rear (kg)
	6500	11500
Axle	6500	10000
Steering/suspension	6500	10000
Tyres	7100	11600
Max. ground capacity	6500	10000

BRAKES			
Type	WABCO Anti-lock Braking System (ABS)		
Description	Full air brake, dual line system, with aluminium air tanks, automatic adjusting taper roller drum brakes, 4 channel ABS		
Air pressure	7.2-8.5kg/cm²		
	Front	Rear	Total
Drum diameter	410mm	410mm	
Lining area	2480cm²	3648cm²	6128cm²
Park brakes	Hand operated pneumatically controlled spring park brake on drive axle		
Auxiliary brake	Butterfly type exhaust brake		

STEERING	
Type	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 (H wheelbase only) Dual 11R 22.5 Dunlop SP343, regroovable (except H wheelbase)
Spare tyre	Single 295/80R 22.5 Dunlop SP350, regroovable mounted on spare tyre carrier (STC) at rear of chassis

FRAME			
Construction	Ladder, channel type double skin chassis construction		
Width	860mm		
Side rail dimensions	250 x 80 x 8mm plus 234 x 72 x 3.2mm (except S wheelbase) 250 x 80 x 8mm plus 234 x 72 x 6mm (S wheelbase only)		
Material	Pressed high tensile carbon steel		
Rail data	Tensile	Yield	Modulus
	55kg/mm²	48kg/mm²	Refer to Body Manual www.udtrucks.com.au

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
Instrumentation	Fully electronic, CAN-BUS instrument system including speedometer, tachometer (with economical green driving band), fuel, temperature, AdBlue level and independent front and rear air circuit pressure gauges. Digital odometer display with dual trip function.
Warning systems	Up to 22 visual warning lamps plus up to 38 different written warnings displayed on the LCD screen. In conjunction 13 audible tones are used
Driver assistance	A Driver's Information System (DIS) displaying useful vehicle data including: Date/time, engine temp, oil pressure, voltmeter, trip information, along with service intervals for engine, transmission, differentials, belts and air filter. Electronic stalk mounted cruise control. GPS satellite navigation with NAVTEQ "truck" mapping

EXTERNAL CABIN		
Description		Aerodynamically designed, forward control, pressed steel construction cab with 45° torsion bar cab tilt
Mounting type	Spring suspended cab with 2 dual acting shock absorbers	
Crash test standard	ECE-R29 compliant	
Cab paint	Standard – Jumping White (W33)	
Doors	90° opening, steel construction with side intrusion beams	
Inspection points	All daily inspections can be carried out without lifting the cab from the front opening inspection panel	
Bumper type	2 piece pressed steel and fibre-glass air dam front bumper	
Mirrors	Heated and electrically operated LH and RH main mirrors with wide vision spot mirrors and passenger side down facing spot mirror	
Lamps	Halogen multi-reflector head lamps ADR49/00 bumper mounted fog lamps ADR49/00 roof mounted clearance lights	
Glass	Tinted front, side and rear	
Wipers	Double arm, 2 speed wipers with intermittent operation and integrated washers	
Reversing system	Rear facing reverse light and audible warning alarm Optional – remote mounted camera with microphone (see <i>Dealer Options</i> list)	

INTERNAL CABIN	
Lighting	Single ON/OFF/DOOR interior light with an independent 720mm x 140mm fluorescent lamp
Standard seat capacity	3 occupant seats – 2 outer seats with retractable 3 point ELR seat belts, centre seat with adjustable lap belt
Driver's seat	CVG multi-adjustable, air suspended with automatic height control and 7 position adjustable shock absorber
Passenger seat(s)	Flat folding LH assistant seat with lift up base Flat folding centre seat with back of seat storage
Sleeping capability	ADR42/04 compliant sleeper bunk with mattress (suitable for stationary sleeping). Sleeper bunk cab curtain rails with curtains
Side windows	Power operated door glass
Security	Remote keyless central locking
Air conditioning	Adjustable temperature control with multi speed fan
Audio system	Double DIN sized, AM/FM/CD 4.8" Touch screen multimedia system with USB, SD card and Bluetooth capability
Cup holders	2 centre mounted cup-holders RH and LH door mounted bottle-holders Additional 2 back of centre seat cup-holders
Storage	Driver and passenger overhead consoles (6 litres each) with lids 10 litre back of centre seat storage box with lid Driver and passenger door pockets
Power outlet	24 volt 240W cigarette lighter/power outlet
DIN accessory fitment	Two DIN sized compartments for accessory fitment
Floor covering	Vinyl

FACTORY OPTIONAL EQUIPMENT (Indent order)	
Suspension	Multi-leaf front springs 294Nm/mm (29.9kg/mm)
Fuel capacity	200 litre LHS chassis mounted auxiliary tank with lockable cap (except H wheelbase)
Seating	Large centre console (replaces centre seat)
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)

DEALER FIT OPTIONAL EQUIPMENT	
Rear engine PTO	343Nm torque capacity @ 120% engine speed 343Nm torque capacity @ 85% engine speed
PTO	Transmission
Fleet management	GPS-based fleet management system
Cameras	Up to 3 cameras connected to the in-dash multimedia system
Other	Refer to your UD Trucks Accessories brochure www.udtrucks.com.au

