

TYPICAL APPLICATIONS

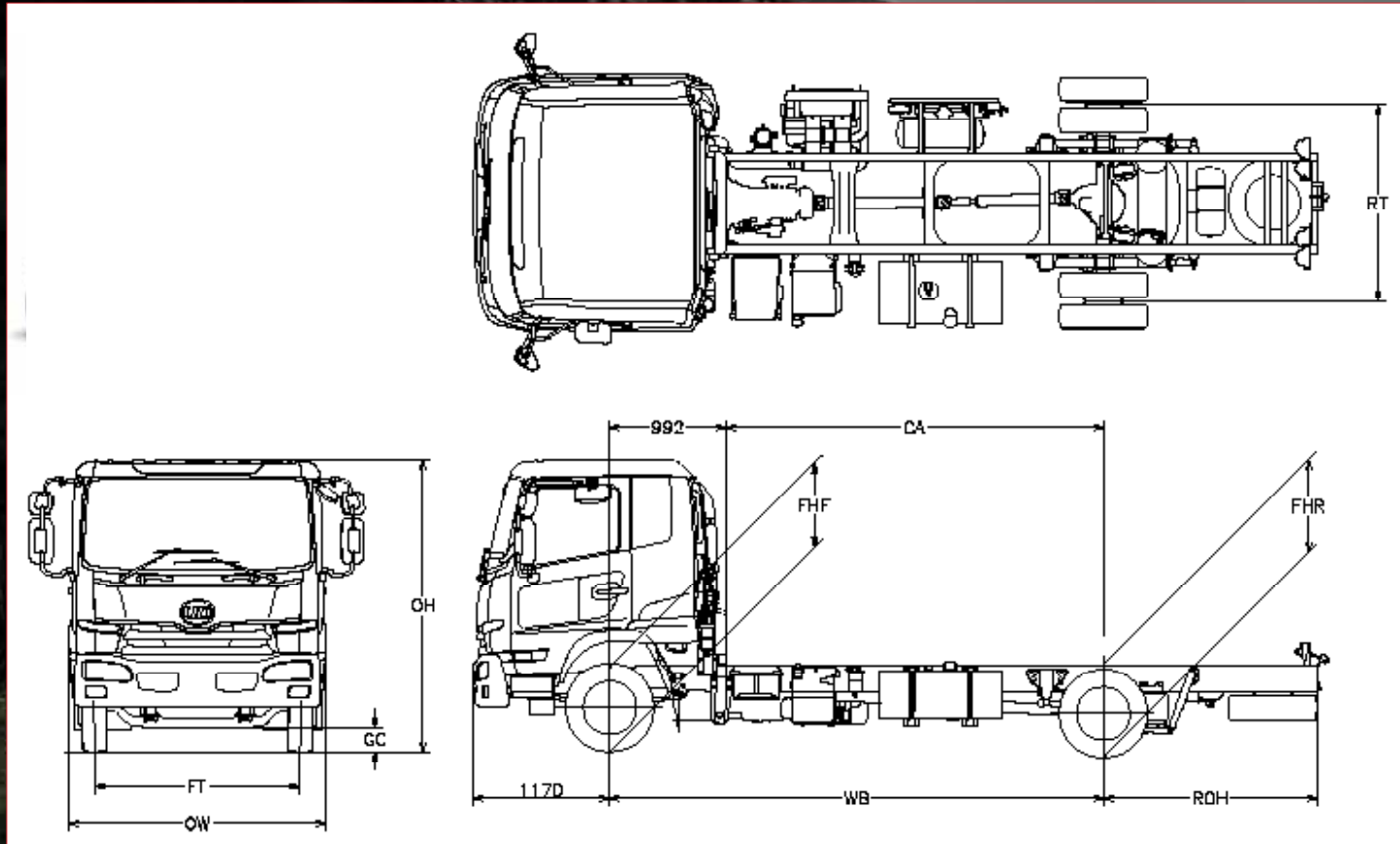


PERFORMANCE (Calculated)		
	6 speed MPS manual with 3.900 diff ratio and 235/75R 17.5 tyres	6 speed MPS manual with 3.727 diff ratio and 235/75R 17.5 tyres
Max road speed	126km/h	132km/h
Gradeability 1st gear	60.4% @ 11000kg	56.8% @ 11000kg
Gradeability top gear	4.5% @ 11000kg	4.2% @ 11000kg
Estimated rpm @ 100km/h	2058rpm	1967rpm

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	GC²	FHF²	FHR²	FHF² (lowered height)	Turning radius (kerb to kerb)	UD order code
UD – leaf	6 speed	L	11000	15500	2545	1320	3865	5150	8670	2200	2526	1784	1680	2350	4158	190	758	844	N/A	8000	MK11280L6L
		K			2510	1380	3890	4830	8130					2130	3838					7500	MK11280K6A
HAS200	6 speed	L	11000	15500	2540	1380	3920	5150	8670	2200	2526	1784	1680	2350	4158	190	758	810	760	8000	MK11280L6A
		N			2565	1400	3965	5500	9630					2960	4508					8500	MK11280N6A

¹ Mass is an estimation only based on standard model, includes fluids (not diesel fuel or AdBlue) and STC and spare, excludes tools and driver.

² Based on vehicle with standard 235/75R 17.5 front and rear tyres.



WARRANTY		
Standard warranty+	36 months/150000 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++	60 months/300000 kms	

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

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Issue date
October 2011

PRELIMINARY

Condor

MK 11 280

SERIES

UD TRUCKS

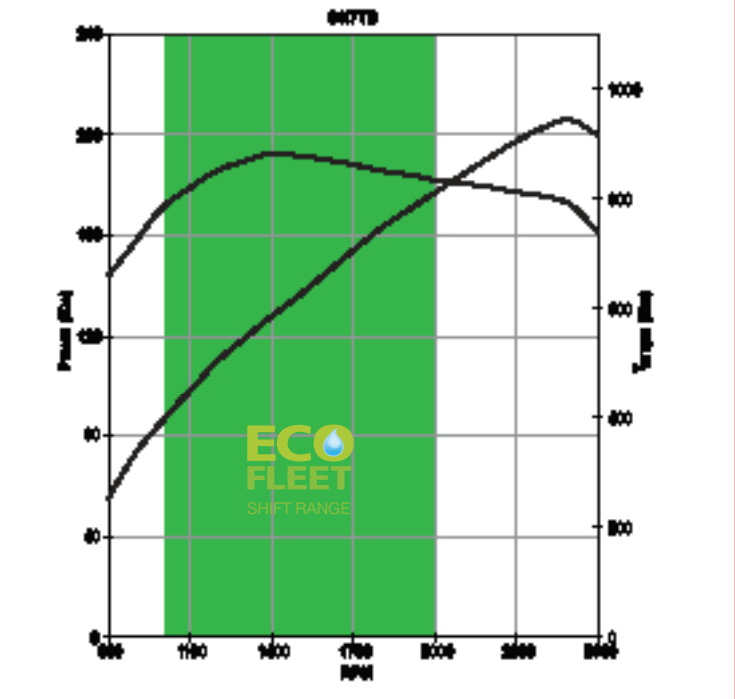
SPECIFICATIONS			
GVM*	11000kg	Power	206kW @ 2500rpm
GCM	15500kg	Torque	883Nm @ 1400rpm
Opt GVM*	8000kg (on application)	Transmission	6 speed manual
		Suspension	UD Trucks leaf or Hendrickson air bag



Note: MK 11 280 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 design	Bluetooth "hands free"
ADR80/03 compliant – Euro 5 emission standard	Air Over Hydraulic brake system with ABS	Cruise control
Newest Japanese MD-T cab with latest aerodynamic "low drag" performance	Easy Hill Start (EHS)	RE-PTO capability on all models
	Electrically operated and heated mirrors	ADR42 compliant sleeper cab with mattress
	360° visibility (by using up to 3 optional cameras)	Custom factory cab paint option

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 levels)
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 120Ah batteries mounted on LHS chassis
Alternator	130 amp with built in IC regulator

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

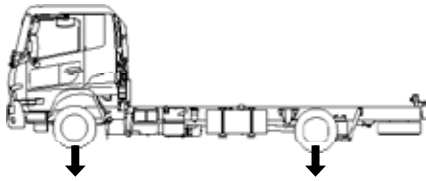
TRANSMISSION							
6 SPEED MANUAL							
Make	UD Trucks						
Model	MPS63B						
Description	Six forward speeds and one reverse, synchromesh 2nd to 6th gears. Non-synchro 1st and reverse						
Shift type	Mechanically operated shift with air servo assist						
Gear ratios		1st	7.03	4th	1.50	Rev	7.04
		2nd	4.28	5th	1.00		
		3rd	2.49	6th	0.78		
PTO capability	LHS 300Nm @ 100% engine speed (nominal ratio)						

FRONT AXLE AND SUSPENSION SYSTEM	
Axle make	UD Trucks
Description	Drop forged steel "I" section beam, reverse "ELLIOT" type
Suspension	Multi-leaf spring with anchor at front and shackle at rear
Dimensions (mm)	70mm x 1300mm
Number of leaves	8
Spring constant	244N/mm (24.9kg/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	3.900:1

LEAF SUSPENSION	
Description	Semi-elliptic leaf spring and helper with anchor at front and shackle at rear
Leaf dimensions (mm)	Main: 70mm x 1300mm Helper: 70mm x 980mm
Number of leaves	Main: 7 Helper: 7
Spring constant (total)	985N/mm (100.4kg/mm)
Shock absorbers	2 telescopic double acting
Max. ground capacity	Refer to the <i>Load Capacity Summary</i> on Page 3

AIR SUSPENSION	
Description	Hendrickson HAS200
Air spring diameter	270mm
Number of springs	2 air bags
Spring constant	118N/mm (12.0kg/mm)
Shock absorbers	2 telescopic double acting
Max. ground capacity	Refer to the <i>Load Capacity Summary</i> on Page 3


LOAD CAPACITY SUMMARY			
			
	Front (kg)	Rear (kg)	
		HAS 200	or Leaf
Axle	4000	7600	7600
Steering/suspension	4000	9000	7600
Tyres	4000	7600	7600
Max. ground capacity*	4000	7600	7600


BRAKES	
Type	WABCO Anti-lock Braking System (ABS)
Description	Air Over Hydraulic (AOH), dual line system, with aluminium air tanks, drum brakes, 4 channel ABS and Easy Hill Start (EHS)
Air pressure	7.2-8.5kg/cm ²
	FrontRearTotal
Drum diameter	320mm320mm
Lining area	1360cm ² 1672cm ² 3032cm ²
Park brake	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	18.8:1
Column	Adjustable, tilt and telescopic control
Steering wheel	460mm diameter with ignition key steering lock

WHEELS AND TYRES	
Wheels	Pressed steel disc type 6.75in x 17.5in rim with 131mm offset – 10TCS, 6 stud (222.25mm PCD)
Front tyres	Single 235/75R 17.5 Dunlop SP341, regroovable
Rear tyres	Dual 235/75R 17.5 Dunlop SP341, regroovable
Spare tyre	Single 235/75R 17.5 Dunlop SP341, 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	234mm x 70mm x 7mm (except N wheelbase) 234mm x 80mm x 7mm (N wheelbase only)
Material	Pressed high tensile carbon steel
Rail data	TensileYieldModulus
	55kg/mm ² 48kg/mm ² 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 design ABS – Anti-lock Brake System Easy Hill Start (EHS) – manual models only
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 temperature, 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		Designed to ECE-R29
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		1 piece pressed steel 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)	
Final drive ratio	3.727:1 (not recommended for GCM applications)
Suspension	Front stabiliser bar Long taper leaf front springs 294Nm/mm (29.9kg/mm) – 3600kg maximum ground capacity*
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	
Ratings	Optional GVM 8000kg* – for Light Rigid truck licence
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

