

PKC Series - Euro 5

MODEL: PK 16-280/6 - PK 17-280/6

PKC280/PKC280AS-6 speed

GVW 16500kg

GCW 26000kg

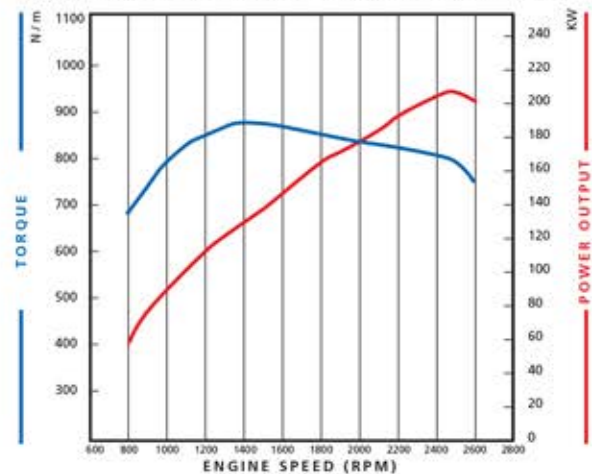


ENGINE:

Engine

Model	UD Trucks GH7
Type	Six cylinder inline, OHC, 4 valves per cylinder, 4 stroke, direct injection, turbo charged diesel with intercooler
Displacement	7013cc
Bore and stroke	110 x 123mm
Maximum Power ECE	206Kw (280ps) at 2500rpm (nett)
Maximum Power JIS	214Kw (291ps) at 2500rpm (gross est)
Maximum torque ECE	883 Nm (651lb/ft) at 1400rpm (nett)
Maximum torque JIS	917Nm (676lb/ft) at 1400rpm (gross est)
On load max rpm	2600
Compression ratio	17.5:1
Oil capacity	17.4 litres
Lubrication system	Forced feed by gear pump
Air cleaner	Dry paper element type
Standard air intake	Snorkel type at rear of cab
Emission standard	Euro 5
SCR system	Selective Catalytic Reduction

UD TRUCKS MOTOR GH7 ENGINE PERFORMANCE CURVE



Engine Cooling System

Radiator	Corrugated fin type
Water pump	Centrifugal
Header tank	Expansion type fitted
Temperature control	Wax pellet type thermostat
Lubricating oil	Oil cooler fitted
Fan	11 blade, mounted on viscous hub

DRIVELINE, ELECTRICAL & FUEL:

Clutch

Make	Nissan Diesel
Type	Dry single plate, Air servo-assisted Hydraulically operated release system
Clutch diameter	380mm

Front Axle

Model	UD Trucks Dropped Forged reverse Elliot "I" Beam Rated at 6,500kg
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Rear Axle

Model	UD Trucks
Type	Fully floating pressed steel banjo housing
Factory rated at	11,000kg

Differential

Model	UD Trucks
Type	Single reduction hypoid
Standard Ratio	5.143:1

Gearbox

Model	UD Trucks MPS63B. Six forward speeds, one reverse Synchromesh on 2nd to 6th. Constantmesh on 1st gear
Gearshift	Mechanical remote control with air assistance

Ratios:	1st 7.03
	2nd 4.28
	3rd 2.49
	4th 1.50
	5th 1.00
	6th 0.78
	Rev 7.04

Electrical System

System	24 volt negative earth
Batteries	2 x 12 volt 115 Ah.
Alternator	130 amp with built-in IC regulator

Fuel system

Tank Capacity	200 litre steel tank on LHS chassis
Fuel system	Electronic controlled common rail injection system
Fuel filter	Cartridge type primary and secondary filters with water separator.
AdBlue tank	50 litre capacity

CHASSIS	Chassis		Suspension	
	Type	Ladder channel section side rails	Front	3 x Semi-elliptic tapered leaf springs. 80 x 1400mm
Dimension	250/ x 80 x 8mm	Spring constant	33.5 kg / mm per spring	
Width	860mm	Rear - Spring Option	Semi-elliptic 2 stage leaf. 9 main springs 80mm x 1400mm 8 helper springs 80mm x 1100mm	
Material	Pressed carbon steel	Spring constant	112.5kg/mm	
Brakes	Brakes		Rear - Air Option	Hendrickson HAS230, 2 bag fully floating with torque rod and shock absorbers
Service	Full air dual line system, automatic adjusting taper roller			
Drum dimensions	410mm			
Front	2,480 cm ²			
Rear	1,672 cm ²			
Total lining	6,128 cm ²			
Parking brakes	Spring brakes acting on rear wheels			
Auxiliary brakes	Exhaust butterfly type brake			
ABS	Wabco 4 channel			
			Steering & Wheels	
			Type	Integral power assisted recirculating ball steering box
			Reduction ratio	22.42:1
			Steering wheel	460mm diameter moulded polyurethane grip
			Steering column	Fore / aft tilt, telescopic and lockable
			Road Wheels	Pressed steel disc 8.25 x 22.5, 10 stud, 165mm offset
			Tyres	275/75 R 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
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 3 point ELR lap sash seatbelts
	Warning Devices		Sun visors	Driver and passenger side
Warning lamps	Engine control warning, low air pressure, Low brake fluid, ABS, parking brake/spring brake, hazard, air filter element, low oil pressure, battery charge, SCR warning indicator		Overhead tray	Document holders on drivers and passenger side
Indicator lamps	Turn signal, Exhaust brake, air heater, high beam, cruise control		Cup holder	Slide out of dash
	Audible warning		Floor covering	Vinyl
Devices include	Low brake fluid, low air pressure, coolant level and overheating, reversing, oil temp, engine over run, EHS system		Bunk	Bed in rear of cab, cloth trimmed type
	Exterior		Control switches	Two stalk controls which incorporate 1. Turn signal, lighting, cruise control 2. Wiper/washer/engine/exhaust brake, hazard warning
Type	Steel Construction fully suspended forward control ECE R29 compliant		Features	<ul style="list-style-type: none"> SRS Drivers air bag with seatbelt pre-tensioner Door intrusion bars Air conditioner/Heater demister 4 mode operation with 4 speed fan Engine idling control button Electric windows Central Locking with keyless entry AM/FM radio with CD player
Cab suspension	Spring suspension with hydraulic shock absorbers		Lamps	<ul style="list-style-type: none"> Halogen head lamps Hazard / Turn signal / Clearance lamps Stop / Tail lamps Reversing Lamp License plate lamp
Tilting	Torsion bar type			
Windshield	Laminated tinted safety glass			
Windshield wiper	Two arms, dual speed with intermittent operation			
Side and rear windows	Tinted safety glass			
Cab front lid	Hinged for easy checking of maintenance (clutch fluid, coolant, washer reservoir)			
Mirrors	Heated and electrically operated main mirrors. Passenger side rear and downward spotter mirrors			

Dimensions & Performance

Cab & Chassis Weights Kg

Model	Front	Rear	Total
PK 16-250/6 Leaf	3250	2110	5360
PK 17-250/6 Air	3240	2090	5330

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

UD TRUCKS