

**PW SERIES****EURO 5****Model****Condor PW24-280AS – Air suspension**

GVW 23500kg

GCW 32000kg

**Engine**

Model

UD Trucks GH7

Type

Six cylinder in line,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

**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

**Front Axle**

Model

UD Trucks dropped Forged reverse Elliot "I" Beam  
Rated at 6500kg**Rear Axle**

Model

Meritor

Type

MT 44-144GP Tandem Drive  
(Power divider and cross locks)

**Differential**

Model	Meritor
Type	Single reduction hypoid
Standard Ratio	6.14:1

**Gearbox**

Model	Allison 3500 fully automatic six forward speeds and one reverse	
Gearshift	Automatic	
Gear Ratio	1st	4.59
	2nd	2.25
	3rd	1.54
	4th	1.00
	5th	0.75
	6th	0.65
	Rev	5.00

**Electrical System**

System	24volt 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**

Type	Ladder channel section side rails
Dimension	234/ x 72 x 6mm
Width	860mm
Material	Pressed carbon steel

**Suspension**

Front	3 x Semi-elliptic tapered leaf springs. 80 x 1400mm
Spring constant	35.0 kg / mm per spring

**Rear Spring**

Hendrickson HAS460  
4 Air Bags 4 shock absorbers  
12.8kg/mm

**Spring constant****Brakes**

Service Full air dual line system, drum brakes  
Drum dimensions 410mm front 419mm rear  
Front linings 2,480 cm<sup>2</sup>  
Rear linings 5,600 cm<sup>2</sup>  
Total lining 8,080 cm<sup>2</sup>  
Parking brakes Spring brakes acting on rear wheels  
Auxiliary brakes Exhaust butterfly type brake  
ABS Wabco 4 channel

**Steering**

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 8.25x22.5, 10 stud ISO, 165 mm offset  
**Tyres** 275/75 R 22.5 tubeless radials

**Exterior**

Type Steel Construction fully suspended forward control  
ECE R29 compliant  
Cab suspension Spring suspension with hydraulic shock absorbers  
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, engine coolant, washer reservoir)  
Mirrors Heated and electrically operated main mirrors. Passenger side rear and downward spotter mirrors

**Interior**

Drivers seat Cloth trimmed high-back multi adjustable air suspended seat with automatic height control. 3 point ELR lap sash seatbelts

Passengers seat	Cloth trimmed reclining high-back type fixed seat with 3 point ELR lap sash seatbelts
Sun visors	Driver and passenger side.
Overhead tray	Document holders on drivers and passenger side
Cup holder	Slide out of dash
Floor covering	Vinyl
Bunk	Bed in rear of cab, cloth trimmed type

### **Gauges**

Instrument gauges	Fuel, dual air pressure, tachometer, AdBlue gauge. Speedometer with odometer and trip meter.
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<b>Multi display</b>	Water temperature, Engine oil temperature, Engine oil pressure day, date and time, service intervals.
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### **Warning Devices**

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.
Indicator lamps	Turn signal, Exhaust brake, air heater, high beam, cruise control
Audible warning	Low brake fluid, low air pressure, coolant level and overheating, reversing, oil temp, engine over run, EHS system

### **Standard equipment**

Control switches	
Two stalk controls incorporating	1. Turn signal, lighting, cruise control 2. Wiper/washer/engine/exhaust brake, hazard warning
SRS Drivers air bag with seat belt 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	
Halogen head lamps	
Hazard / Turn signal / Clearance lamps	
Stop / Tail lamps	
Reversing Lamp	
License plate lamp	

Cigar lighter  
Electric horn  
Foot rest  
Spare tyre  
Equipped tyre carrier  
Tool kit

**Cab and chassis weights**

Model	Front	Rear	Total
PW24-280AS			