



PERSONNEL CARRIER

**MODEL
ANT-PC8**

8 passenger capacity



FEATURES

- The DUX ANT-PC8 articulated 4-wheel drive personnel carrier brings safe and reliable personnel and material transport to underground mines and tunneling projects
- Reinforced passenger compartment for maximum safety, DUX PC8 passenger compartment designed for 8, however larger sized compartments are available on request
- DUX personnel carrier is available with open or enclosed personnel compartment
- DUX personnel carrier also offered with maintenance, fuel/lube, dump box and scissor lift modules
- Spacious operator compartment is ergonomically designed for maximum visibility and bidirectional tramming, operator can safely control and monitor machine functions at a glance
- Fail-safe SAHR emergency/parking brake system
- Centralized service points and modular design for easy service access and fast component exchange
- Excellent service and parts back-up worldwide

WEIGHTS

Payload 5,5 tonne..... 6.1 ton
 Machine weight, approx.....7,9 tonne..... 8.7 ton
 GVW 13,4 tonne..... 14.8 ton

CAPACITY

Operator's compartment..... 1
 Personnel compartment*..... 8

** Larger personnel compartments available on request*

OVERALL DIMENSIONS

Length.....6 605 mm..... 21' 8"
 Width.....1 525 mm..... 5' 0"
 Length of personnel compart.*2 490 mm..... 8' 2"
 Height over FOPS/ROPS canopy..2 085 mm..... 6' 10"

** Large personnel compartments available on request*

TURNING RADIUS

Inside..... 2 745 mm..... 9' 0"
 Outside..... 4 650 mm..... 15' 3"
 Angle45°



DUX Model ANT-PC8 Personnel Carrier

TECHNICAL SPECIFICATIONS*

Engine

Make and model.....Kubota V3800DIT-E3B
Derated power74 kW (99 HP) @ 2600 RPM
Cylinders4
Starter.....24-volt
Air intake cleanerDonaldson 2-stage dry type with service gauge
Exhaust systemCatalytic purifier with silencer
CoolingAir
Emission standard.....Meets EPA Tier 3, Euro Stage IIIA

Transmission with Integrated Torque Converter

Make and model.....Dana SOH T20000 series with integrated
.....torque converter with flex plate drive
Speeds3 in forward and in reverse

Axles

Make and model.....CNH D45I planetary front and rear with internal
.....multiple wet-type 4-wheel disc brakes

Tires

– Michelin 9.00R20, X-Mine, D2, L5 radial

Brakes

Service and4-wheel power multi-internal wet disc, dual
.....hydraulic power control with accumulator back-up
Emergency/parkingFail safe back-up spring applied, hydraulic released
.....multi-internal wet 4-wheel disc brakes
Automatic BrakeApplies brake in case of engine failure or pressure
Applicator (ABA).....drop in torque converter

Steering

– Articulated frame hydraulic power steering
– Orbitrol valve-type with steering wheel and cushion valve (optional pilot stick steering)
– Double acting steering cylinders (2)
– $\pm 45^\circ$ steering angle each way for a total of 90°

Oscillation

– $\pm 10^\circ$ center of oscillation for a total of 20°
– Large sized, heavy-duty roller bearing for minimum maintenance and a smooth ride, 4-wheel ground contact guaranteed

Frames and Pins

– Articulated heavy-duty frames made to withstand the high impact and torsional stress associated with mining application
– Frames come with 5 year unlimited hour guarantee
– Large high tensile alloy steel pins in replaceable anchor bushings

Operator and Personnel Compartment

– Side seated for maximum visibility and bidirectional operation
– Heavy-duty adjustable suspension seat with arm rests and retractable seat belt
– Shock mounted compartment floor for maximum comfort
– All controls and gauges are within easy reach and view of operator
– Formed steel shell compartment for personnel that is reinforced for

maximum protection against impact
– Personnel compartment comes with non-slip floor, step and grab handles for easy entry/exit, safety chain, cushioned seat benches and back rests and rubber shock mounts (4)
– Storage compartments (2)
– Bolted front header

Hydraulic System

– Heavy-duty double acting protected steering cylinders (2) with hard chrome plated stems
– Heavy-duty PTO driven piston-type pumps driven from converter
– Suction filter
– Inline high pressure filter with service gauge
– $\frac{3}{4}$ " inside diameter and over hoses that are four-spiral wire braid and have crimped hose end swivel fittings
– Hose bulk-head located mid-ship

Tank Capacities

Fuel.....121 L32 US gallons
Hydraulic oil121 L32 US gallons

Electrical System

– 24-volt negative ground
– 60 amp alternator with integrated sealed voltage regulator
– Main electric cut-off switch
– Heat resistant, waterproof, sealed electric PMA wire harness
– Sealed junction box and stainless steel instrument panel box with multi-stem connectors
– Semi-automatic circuit breakers
– Front (2), rear (2), and all-directional (1) LED high-intensity lights
– Heavy-duty batteries (2)
– Signal horn
– Audible, adjustable back-up alarm

Standard Features

Kubota V3800DIT-E3B, EPA Tier 3, Euro Stage IIIA engine • Automatic engine shut-off at low oil pressure and high temperature • Hourmeter • All necessary gauges for engine, converter and brake pressure n • Neutral engine start protection • Centralized manual lubrication manifold mid-ship • Triangular rear reflectors (2) • Wheel chocks (2) with storage brackets (2) • 9 kg (20 lb) hand-held fire extinguisher • Firwin exhaust and purifier insulation • Parts/Operator/Maintenance Manuals • Compliant with MSHA, CANMET and CE regulation

Options

Different engine • Certified FOPS/ROPS canopy • Fully equipped certified FOPS/ROPS noise suppression cab • Automatic lubrication system • Fire suppression system • Spare rim assembly • Seat belts for eight passengers • Enclosed FOPS/ROPS passenger compartment • Bigger DUX S1-Carrier or P1-Carrier with Cummins QSB 4.5 engine and Dana 176 axles, unit width 1.83 m (6'-0") • OTHER OPTIONS ON REQUEST



Manufactured by:

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