



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 canopy or cab2 085 mm.....6' 10"

* Larger 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 Deutz D914 L05
Power 72.5 kW (97.2 HP) @ 2300 RPM
Cylinders 5
Starter 24-volt
Air intake cleaner Donaldson 2-stage dry type with service gauge
Exhaust system Catalytic purifier with silencer
Cooling Integrated air cooled
Emission standard Meets EPA Tier 3, Euro COM 3a

Transmission with Integrated Torque Converter

Make and model Dana SOH T20000 series with integrated
..... torque converter with flex plate drive
Speeds 3 in forward and reverse

Axles

Make and model Kessler D41 planetary axles

Tires

– Michelin 9.00R20, L-5 D2 X-MINE radial

Brakes

Service and 4-wheel POSI-STOP totally enclosed multi-disc,
emergency/parking liquid cooled, spring applied hydraulically released
..... with its own independent circulating hydraulic
..... pump and accumulator back-up
Automatic Brake Applies 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 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 gear-type pumps driven from torque 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 L 32 US gallons
Hydraulic oil 121 L 32 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 and audible, adjustable back-up alarm

Standard Features

Deutz D914 L05, EPA Tier 3, Euro COM 3a engine • Automatic engine shut-
off at low oil pressure and high temperature • Hourmeter • All necessary
gauges for engine, converter and brake pressure • Wheel chocks (2) with
storage brackets (2) • 9 kg (20 lb) hand held fire extinguisher • Neutral en-
gine start protection • Centralized manual lubrication mid-ship • Articula-
tion safety bars • Parts/Operator/Maintenance manuals • Compliant with
MSHA, CANMET and CE regulation

Options

Different engine • Diesel particulate filter • Certified FOPS/ROPS canopy
• Fully equipped certified FOPS/ROPS noise suppression cab • Automatic
lubrication system • Fire suppression system • Video system • Spare
rim assembly • Cold weather package • Bigger personnel compartment •
OTHER OPTIONS ON REQUEST



Manufactured by:

DUX MACHINERY CORPORATION

615 Lavoisier, Repentigny Quebec, Canada J6A 7N2

+1 450.581.8341 tel +1 450.581.5138 fax www.duxmachinery.com