



# PERSONNEL CARRIER

MODEL  
DT7-PC8

## 8 Passenger Capacity



### FEATURES

- The DUX DT7-PC8 articulated four-wheel drive personnel carrier brings safe and reliable personnel and materials transport to underground mines and tunneling projects
- Proven Dana SOH powershift transmission and planetary axles
- Heavy-duty oscillation roller bearing for minimum maintenance, a smooth ride and four-wheel ground contact on uneven terrain.
- Rugged frames designed and built to withstand high impact and torsional stress associated with mining or tunneling applications for a life expectancy measurable in decades, DUX frames are covered by a five-year warranty
- Reinforced passenger compartment for maximum safety, DUX PC8 passenger compartment designed for 8, however larger sized compartments are available on request
- Large operator's compartment, operator is side seated for optimum visibility and bi-directional operation
- Easy access to all service points
- Excellent service and parts back-up worldwide
- DUX personnel carrier also offered with maintenance, fuel/lube, dump box and scissor lift modules

### WEIGHTS

Payload.....	11,023 lbs	5 000 kg
Machine weight, approx. ....	17,500 lbs	7 938 kg
GVW.....	28,523 lbs	12 938 kg

### CAPACITY

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

\* Larger personnel compartments available on request

### DIMENSIONS

Overall length.....	21'-0"	6 400 mm
Width.....	5'-0"	1 525 mm
Length of personnel compartment* .....	8'-2"	2 490 mm
Height .....	6'-11"	2 110 mm
Height over optional FOPS/ROPS canopy 6'-10" .....		2 085 mm

\* Large personnel compartments available on request

### TURNING RADIUS @ 45°

Inside .....	8'-8"	2 640 mm
Outside .....	14'-10"	4 520 mm



# DUX Model DT7-PC8 Personnel Carrier

## TECHNICAL SPECIFICATIONS\*

### Engine

Make.....Deutz  
Model.....BF4L-914  
Power.....97 HP (72 kW) @ 2300 RPM  
Cylinders.....4  
Starter.....24-volt  
Air intake cleaner.....Donaldson 2-stage dry type with service gauge  
Exhaust system.....Catalytic purifier with integrated silencer  
Cooling.....Air

### Powershift Transmission

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

### Axles

Make.....CNH  
Model.....D45N planetary front and rear with internal multiple  
.....wet-type 4-wheel disc brakes

### Tires

- Michelin 9.00 R 20, X-Mine D2 L5 radial

### Brakes

Service.....4-wheel power multi-internal wet disc, dual  
.....hydraulic power control with accumulator back-up  
Emergency/parking.....Fail safe 100% back-up spring applied hydraulic  
.....released multi-internal wet four-wheel disc brakes  
Automatic brake (ABA).....Standard automatic brake applicator (ABA), applies  
.....secondary brake in case of engine failure or  
.....pressure drop in torque converter

### Steering

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

### Oscillation

- $\pm 10^\circ$  center of oscillation for a total of  $20^\circ$
- 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's and Personnel Compartment

- Operator controls and gauges are simple to use and located within easy  
reach and view, Orbitrol wheel steering and fully adjustable suspension  
seat comes with arm rests and seat belt
- Operator is side seated for maximum visibility and bi-directional operation
- 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 backrests  
and four rubber shock mounts
- Two storage compartments
- 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
- 125 mesh suction filter
- 10 micron inline high pressure filter with service gauge
- $\frac{3}{4}$  in. inside diameter and over high pressure hoses that are four-spiral  
braid and have crimped hose end swivel fittings
- Hose bulk-head

### Tank Capacities

Hydraulic oil.....32 US gallons.....121 L  
Fuel.....32 US gallons.....121 L

### 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 sealed instrument panel box with  
multi-stem connectors
- Semi-automatic circuit breakers
- Front (2), rear (2), and all-directional (1) halogen high-intensity lights
- Heavy-duty batteries (2), 1000 CCA per battery
- Signal horn
- Audible, adjustable back-up alarm

### Standard Features

- Deutz BF4L-914 engine
- Proven heavy-duty powertrain
- Automatic engine shut-off at low oil pressure and high temperature
- Hourmeter
- All necessary gauges for engine, converter and brake pressure
- Neutral engine start protection
- Wheel chucks (2) with storage brackets (2)
- Centralized manual lubrication manifold mid-ship
- 20 lb (9 kg) hand held fire extinguisher
- For maximum performance Firwin exhaust and purifier insulation
- 24 Volt Halogen lights (front 2, rear 2 and one all directional)
- Adjustable back-up alarm
- Towing brackets front and rear
- Parts/Operator/Maintenance manuals (3 sets) + CD in PDF format
- Compliant with MSHA, CANMET and CE regulation

### Options

- Different engine
- Certified FOPS/ROPS operator's canopy (bolted top half) or cab
- Fire suppression system
- Spare rim assembly
- Seat belts for eight passengers
- Enclosed FOPS/ROPS passenger compartment
- OTHER OPTIONS ON REQUEST

\* Specifications subject to change without notice.



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