



COMPACT PROFILE END DUMP TRUCK

MODEL DT-7

5.0 yd³ – 3.8 m³ capacity • 7.7 ton – 7.0 metric tonne payload



FEATURES

- The 5'-0" (1.52 m) wide DUX DT-7 articulated underground four-wheel drive dump truck is easily manoeuvrable in confined areas and well suited for narrow vein mining
- High power to weight ratio assures fast tramping up steep ramps
- Spacious operator compartment is ergonomically designed for maximum visibility and bi-directional tramping, operator can safely control and monitor all machine functions at a glance
- Clean and rapid discharge cycles guaranteed with 70° dumping angle and smooth flow, wear resistant alloy steel dump box prolongs service life
- Centralized service points and modular design allow for fast service access and quick repair
- Excellent service and parts back-up worldwide

WEIGHTS

Payload.....7.7 tons 7.0 tonnes
 Machine weight (operating)..... 8.6 tons 7.8 tonnes
 GVW16.3 tons 14.8 tonnes

OVERALL DIMENSIONS

Length.....20'-6" 6 250 mm
 Width.....5'-0" 1 525 mm
 Height over dump body sides..... 5'-10" 1 780 mm
 Height over FOPS canopy..... 6'-10" 2 085 mm

SAE DUMP BODY VOLUME*

Struck..... 4.4 yd³ 3.4 m³
 Heaped 5.0 yd³ 3.8 m³

**Other box sizes available on request*

DISCHARGING

Height at max. dumping angle 10'-1" 3 075 mm
 Maximum dumping angle 70°

DISCHARGE TIME AT 70° DUMP ANGLE

Up 9 seconds
 Down..... 8 seconds
 Total cycle time 17 seconds

TURNING RADIUS @ 45°

Inside9'-0" 2 745 mm
 Outside 15'-2" 4 625 mm



DUX Model DT-7 Compact Profile End Dump Truck

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 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°

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
- Dump box made from impact/wear resistant steel plates, substantially
prolongs service life

Operator's Compartment

- Side seated for maximum visibility and bi-directional operation
- Heavy-duty adjustable suspension seat with arm rests and retractable
seat belt
- Shock mounted compartment floor for maximum comfort
- All controls and gauges located within easy reach and view of operator

Hydraulic System

- Orbitrol valve with steering wheel
- Heavy-duty double acting protected steering cylinders (2) with hard
chrome plated stems
- Telescopic dump cylinder (1) with 24 Volt pilot control
- 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 is located mid-ship

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
- 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 or cab
- Fire suppression system
- Spare rim assembly
- OTHER OPTIONS ON REQUEST

* Specifications subject to change without notice.



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