



COMPACT PROFILE END DUMP TRUCK

**MODEL
DT-7**

6.4 metric tonne · 7.0 short ton payload — 3.8 m³ · 5.0 yd³ capacity



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 tramming up steep ramps
- Spacious operator compartment is ergonomically designed for maximum visibility and bi-directional tramming, 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

Payload6.4 tonnes7.0 tons
 Machine weight (operating) 7.8 tonnes 8.4 tons
 GVW 14.2 tonnes 15.4 tons

SAE VOLUME

Struck3.4 m³.....4.4 yd³
 Heaped3.8 m³.....5.0 yd³
Custom box size to suit different ore weight available.

OVERALL DIMENSIONS

Length.....6 275 mm.....20' 7"
 Width.....1 525 mm.....5' 0"
 Height over box sides.....1 805 mm.....5' 11"
 Height over canopy2 085 mm.....6' 10"

TURNING RADIUS

Inside.....2 745 mm.....9' 0"
 Outside.....4 625 mm.....15' 2"
 Angle45°

DISCHARGING

Height at maximum dump angle...3 125 mm.....10' 3"
 Maximum dump angle70°



DUX Model DT-7 Compact Profile End Dump Truck

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 Air
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 and flex plate drive
Speeds 3 in forward and reverse

Axles

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

Tires

– Michelin 9.00R20, X-Mine D2 L5 radial

Brakes

Service and 4-wheel power multi-internal wet disc, dual
..... hydraulic power control with accumulator back-up
Emergency/parking Fail safe back-up spring applied hydraulic released
..... multi-internal wet 4-wheel disc brakes
Automatic Brake Applies brake in case of engine failure or pressure drop
Applicator (ABA) 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 five-year unlimited hour guarantee
– Large high tensile alloy steel pins in replaceable anchor bushings

Dump Body

– Made from reinforced impact, wear resistant alloy steel plates,
substantially prolongs service life

Operator Compartment

– Side seated for maximum visibility and bi-directional 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

Hydraulic System

– 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
– 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 engine • 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 chocks (2)
with storage brackets (2) • Centralized manual lubrication mid-ship • 9 kg
(20 lb) hand held fire extinguisher • Firwin exhaust and purifier insula-
tion • Parts/Operator/Maintenance manuals • Compliant with MSHA,
CANMET and CE regulation

Options

Different engine • Kessler D41 PL456-NLB-FS axles with 4-wheel
POSI-STOP brakes • Certified FOPS/ROPS canopy (bolted top half) • Fully
equipped certified FOPS/ROPS noise suppression cab • Automatic lubrica-
tion system • Fire suppression system • Spare rim assembly • 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