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

OVERALL DIMENSIONS

Length ........................................ 6 275 mm .................. 20' 7"
Width ........................................... 1 525 mm ............... 5' 0"
Height over box sides .................. 1 805 mm .................. 6' 3" 11”
Height over canopy ...................... 2 085 mm .................. 6' 10”

TURNING RADIUS

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

DISCHARGING

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

Maximum dump angle ..................... 70°

WEIGHTS

Payload ....................................... 6.4 tonnes ............... 7.0 tons
Machine weight (operating) ........ 7.8 tonnes ............... 8.4 tons
GVW ............................................... 14.2 tonnes .......... 15.4 tons

SAE VOLUME

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

Custom box size to suit different ore weight available.
**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

**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
- ¾” inside diameter and over hoses that are four-spiral wire braid and have crimped hose end swivel fittings
- Hose bulk-head located mid-ship

**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 ...... Fall safe back-up spring applied hydraulic released
- 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)
- ± 45° steering angle each way for a total of 90°

**Oscillation**
- ±10° 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

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DUX MACHINERY CORPORATION
615 Lavoisier, Repentigny Quebec, Canada J6A 7N2
+1 450.581.8341 tel       +1 450.581.5138 fax       www.duxmachinery.com

*Specifications subject to change without notice.*