



COMPACT PROFILE END DUMP TRUCK

**MODEL
DT-7**

7 metric tonne · 7.7 short ton payload — 3.5 m³ · 4.6 yd³ capacity



FEATURES

- The 1.52 m (5-ft) wide DUX DT-7 articulated 4-wheel drive underground dump truck is easy to maneuver in confined areas and very well suited for narrow vein mining
- Excellent load retention and fast tramming up steep ramps guaranteed — highest power to weight ratio in its class
- Spacious operator compartment is ergonomically designed for maximum visibility and bidirectional tramming, operator can safely control and monitor machine functions at a glance
- Clean and rapid discharge cycles guaranteed with 70° dump angle and smooth flow, wear resistant alloy steel dump box
- Centralized service points and modular design for easy service access and fast component exchange
- Excellent service and parts back-up worldwide

WEIGHTS

Payload 7.0 tonne..... 7.7 ton
 Machine weight, approx..... 7.8 tonne..... 8.4 ton
 GVW 14.8 tonne..... 16.1 ton

SAE VOLUME*

Struck 3.2 m³..... 4.1 yd³
 Heaped 3.5 m³..... 4.6 yd³
 Loose ore density..... 2.0 t/m³..... 3,370 lb/yd³

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

OVERALL DIMENSIONS

Length..... 6 200 mm..... 20' 4"
 Width..... 1 525 mm..... 5' 0"
 Height over box sides..... 1 725 mm..... 5' 8"
 Height over canopy or cab 2 085 mm..... 6' 10"

TURNING RADIUS

Inside..... 2 745 mm..... 9' 0"
 Outside..... 4 675 mm..... 15' 4"
 Angle 45°

DISCHARGING

Height at maximum dump angle... 3 075 mm..... 10' 1"
 Maximum dump angle 70°



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 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 and flex plate drive
Speeds 3 in forward and reverse

Axles

Make and model Dana SOH 113 planetary type with totally enclosed
..... internal wet multi-disc brakes for each wheel

Tires

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

Brakes

Service 4-wheel power internal wet multi-disc brakes, dual
..... hydraulic power control with accumulator back-up
Emergency/parking Fail safe back-up spring applied hydraulically
..... released (SAHR) internal wet multi-disc brakes
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
– 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
– 70° dumping angle for clean and rapid discharge cycles

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
– Ergonomically correct - 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
– Heavy-duty double acting two-stage fully protected telescopic dump cylinder 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
– 75 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 engine start protection • Centralized manual lubrication mid-ship • Dump box and articulation safety bars • Parts/Operator/Maintenance manuals • Compliant with MSHA, CANMET and CE regulation

Options

Different engine • Kessler D41 axles with 4-wheel POSI-STOP brakes • Certified FOPS/ROPS canopy • Automatic tailgate • Automatic lubrication system • Fire suppression system • Video system • Spare rim assembly • Cold weather package • OTHER OPTIONS ON REQUEST



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