



## COMPACT PROFILE END DUMP TRUCK

## MODEL DT-7

**6.4 metric tonne · 7.0 short ton payload — 3.8 m<sup>3</sup> · 5.0 yd<sup>3</sup> 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

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 m<sup>3</sup> ..... 4.4 yd<sup>3</sup>  
 Heaped ..... 3.8 m<sup>3</sup> ..... 5.0 yd<sup>3</sup>  
*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 canopy ..... 2 085 mm ..... 6' 10"

### TURNING RADIUS

Inside ..... 2 745 mm ..... 9' 0"  
 Outside ..... 4 625 mm ..... 15' 2"  
 Angle ..... 45°

### DISCHARGING

Height at maximum dump angle... 3 125 mm ..... 10' 3"  
 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 ..... 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  $90^\circ$

### 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 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



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