

**WEIGHTS**

Payload .....	5 000 kg.....	11,023 lb.
Machine weight (operating) .....	7 200 kg.....	15,875 lb.
GVW .....	12 200 kg.....	26,898 lb.

**WEIGHT DISTRIBUTION (EMPTY)**

Front axle.....	4 900 kg.....	10,800 lb.
Rear axle.....	2 300 kg.....	5 075 lb.

**WEIGHT DISTRIBUTION (WITH 5 000 KG PAYLOAD)**

Front axle.....	6 305 kg.....	13,900 lb.
Rear axle.....	5 895 kg.....	13,000 lb.

**SAE VOLUME**

Struck .....	2.2 m <sup>3</sup> .....	2.9 yd <sup>3</sup>
Heaped .....	2.6 m <sup>3</sup> .....	3.4 yd <sup>3</sup>

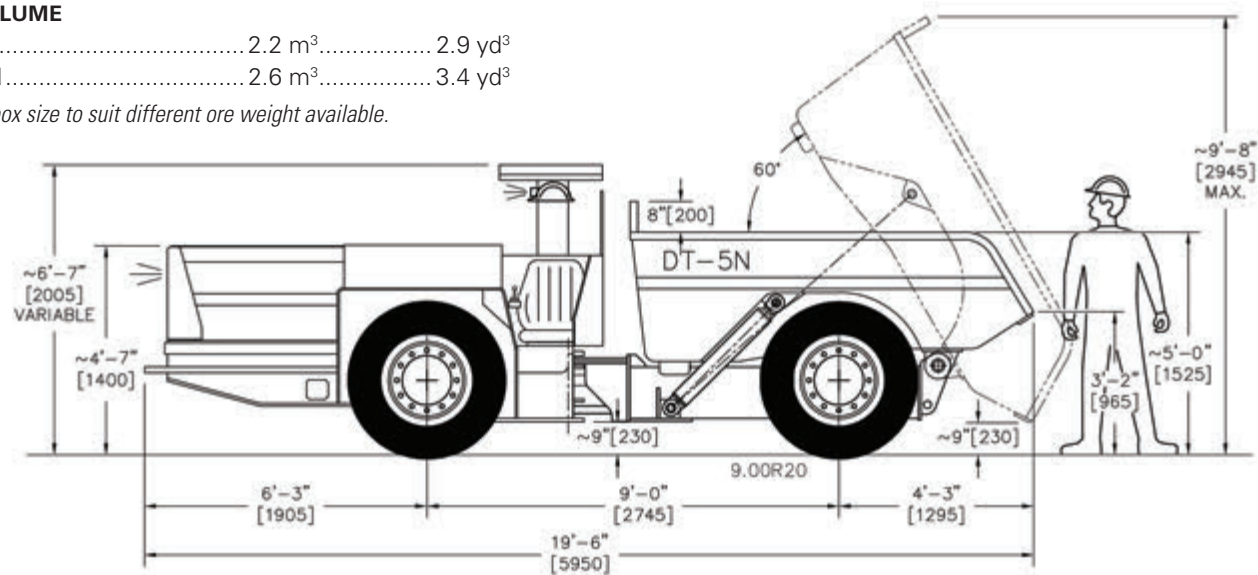
Custom box size to suit different ore weight available.

**OVERALL DIMENSIONS**

Length.....	5 950 mm.....	19' 6"
Width.....	1 400 mm.....	4' 7"
Height over box sides.....	1 525 mm.....	5' 0"
Height over canopy .....	2 005 mm.....	6' 7"

**TURNING RADIUS**

Inside.....	2 895 mm.....	9' 6"
Outside.....	4 850 mm.....	15' 11"
Angle .....		40°



DUX DT-5N with optional FOPS/ROPS canopy and rapid clean discharge dump box with 60° dumping angle.



Operator side-seated for maximum visibility and bi-directional operation, heavy-duty adjustable suspension seat with arm rests and seat belt included.



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# DT-5N

## NARROW PROFILE END DUMP TRUCK

5.0 metric tonne • 5.5 short ton payload — 2.7 m<sup>3</sup> • 3.5 yd<sup>3</sup> capacity

**FEATURES**

- The 1.4 metre (4'-7") wide DUX DT-5N articulated underground four-wheel drive dump truck is easily manoeuvrable in confined areas and well suited for narrow- vein mining and tight construction tunnels
- Clean and rapid discharge cycles guaranteed with 60° dumping angle
- Smooth-flow, wear resistant alloy steel dump box for prolonged service life
- High power to weight ratio assures fast tramming up steep ramps
- Centralized service points and modular design allow for fast service access and quick repair
- 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
- Excellent service and parts back-up worldwide



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\* Specifications subject to change without notice.

# 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, European COM 3a

## Transfer Case

– Dana SOH gear drive 2.39:1

## Transmission

– Rexroth AA4V56 hydrostatic with forward and reverse

## Axles

– Dana SOH 12D0840, conventional differential, fixed

## Tires

– Michelin 9.00R20, X-Mine D2 L5 radial

## Brakes

Service ..... Dynamic service braking (through the hydrostatic transmission)  
 Emergency/parking ..... Spring applied hydraulically released totally enclosed multi-disc driveline brake (mounted on rear driveline)  
 Automatic Brake ..... Applies brake in case of engine failure or Applicator (ABA) pressure drop in hydrostatic transmission

## Frames and Pins

– Heavy-duty frames especially made for hard rock mining application

## 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  
 – Ergonomically correct - all controls and gauges are within easy reach and view of operator

## Hydraulic System

– 152 bar (2 200 psi) hydraulic pressure  
 – Pressure accumulator with charge valve  
 – Inline high pressure filter with service gauge

## Steering Hydraulics

– Closed centre system with single fixed displacement gear pump  
 – Double acting steering cylinder (1) equipped with pilot mechanical control  
 – Steering cylinder 89 mm (3.5) bore x 44 mm (1.75) rod dia.

## Dump Box Hydraulics

– Full hydraulic open centre system with gear pump (1) equipped with pilot/mechanical control lever  
 – Double acting, two stage telescopic dump cylinders (2)  
 Stage I bore ..... 114.3 mm ..... 4 1/2"  
 Stage II bore ..... 88.9 mm ..... 3 1/2"  
 – 3/4" inside diameter and over hoses that are four-spiral wire braid and have crimped hose end swivel fitting (two per hose assembly)

## Tank Capacities

Fuel ..... 106 L ..... 28 US gallons  
 Hydraulic oil ..... 106 L ..... 28 US gallons

## Driving Speeds on Level (with 5 000 kg payload)

Forward @ 2 300 engine rpm ..... 11.9 km/h ..... 7.4 mph  
 Forward @ 1 750 engine rpm ..... 10.9 km/h ..... 6.8 mph  
 Reverse @ 2 300 engine rpm ..... 7.0 km/h ..... 4.3 mph

## Electrical System

– 24 V negative ground  
 – 60 A 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) LED high-intensity lights, shock mounted with necessary switches  
 – Heavy-duty batteries (2)  
 – Signal horn and audible, adjustable back-up alarm

## Standard Features

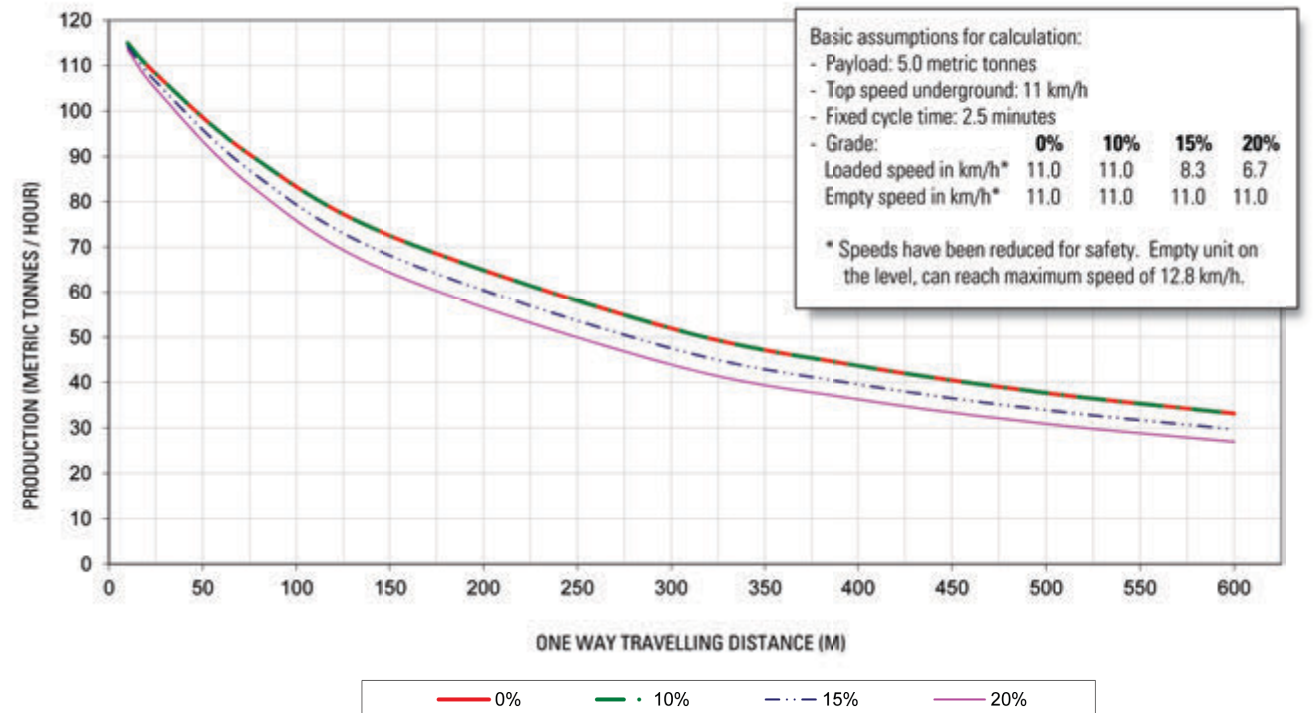
Deutz engine • Automatic engine shut-off at low oil pressure and high temperature • Hourmeter • All necessary gauges for engine, converter and brake pressure • Neutral engine start protection • Wheel chocks (2) with storage brackets (2) • Centralized manual lubrication mid-ship • 4.5 kg (10 lb.) hand held fire extinguisher • Dump box and articulation safety bars • Parts/Operator/Maintenance manuals • Compliant with MSHA, CANMET and CE regulation

## Options

Different engine • Adjustable roll bar • Certified FOPS/ROPS canopy (bolted top half) • Cold weather package • Automatic lubrication system • Fire suppression system • Spare rim assembly • Intec video system (colour camera and monitor) • Auxiliary 12 V power terminal block • Automatic tailgate • OTHER OPTIONS ON REQUEST

# Performance

THEORETICAL HOURLY PRODUCTION CURVE DUX MODEL DT-5N NARROW PROFILE END DUMP TRUCK WITH DEUTZ D914 L05 SET AT 97.2 HP (72.5 KW) @ 2300



DUX DT 5N DUMP TRUCK THEORETICAL SPEED ON GRADE DEUTZ D914 L05 ENGINE SET AT 97,2 HP @ 2300 RPM

