FEATURES

- The 1.4 m (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.

- 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 60° 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 ............................................ 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 m³ ............... 2.9 yd³  
Heaped ............................................... 2.6 m³ ............... 3.4 yd³  
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°

DISCHARGING

Height at maximum dump angle .......... 2 945 mm ............... 9’ 8”  
Maximum dump angle ...................... 60°
### 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

### Transfer Case
- Make and model: Dana SOH gear drive 2.39:1

### Transmission
- Make and model: Rexroth AA4V56 hydrostatic with forward and reverse

### Axles
- Make and model: 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 pressure drop
- Applicator (ABA): 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
- Hydraulic pressure: 152 bar, 2 200 psi
- 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 center 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")
  - ¾" 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

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*Specifications subject to change without notice.*