



NARROW LOW PROFILE END DUMP TRUCK

**MODEL
DT-5N**

5.0 metric tonne · 5.5 short ton payload — 2.8 m³ · 3.7 yd³ capacity



FEATURES

- The 1.45 m (4'-9") 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 2.4 m³ 3.1 yd³
 Heaped 2.8 m³ 3.7 yd³
Custom box size to suit different ore weight available.

OVERALL DIMENSIONS

Length 6 200 mm 20' 4"
 Width 1 450 mm 4' 9"
 Height over box sides 1 525 mm 5' 0"
 Height over canopy 2 200 mm 7' 3"

TURNING RADIUS

Inside 2 920 mm 9' 7"
 Outside 4 775 mm 15' 8"
 Angle 42°

DISCHARGING

Height at maximum dump angle... 2 970 mm 9' 9"
 Maximum dump angle 60°



DUX Model DT-5N Narrow 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

Transfer Case

Make and model Dana SOH gear drive 2.39:1

Transmission

Make and model Rexroth hydrostatic with forward and reverse

Axles

Make and model Dana SOH 113 planetary type

Tires

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

Brakes

Service Dynamic service braking (through the hydrostatic
..... transmission)
Emergency/parking Fail safe back-up spring applied hydraulically released
..... (SAHR) internal wet multi-disc brake mounted on
..... transfer case; push/pull parking brake button
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"
– 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-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 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 and brake pressure • Wheel chocks (2) with storage brackets (2) • 4.5 kg (10 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 • Adjustable roll bar • 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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