



NARROW LOW PROFILE END DUMP TRUCK

**MODEL
DT-33N**

33 metric tonne · 36.4 short ton payload — 19.6 m³ · 25.7 yd³ capacity



FEATURES

- Field-proven, articulated DUX DT-33N underground 4-wheel drive dump truck is well suited for hauling ore, waste and backfill on level and steep grades
- Excellent load retention and fast tramming up steep ramps guaranteed — highest power to weight ratio in its class
- Permits efficient chute, side and end loading in narrow drifts with low headings
- Clean and rapid discharge cycles guaranteed with 65° dump angle and smooth flow, wear resistant alloy steel dump box
- Electronically controlled engine reduces fuel consumption and ventilation requirement
- Equipped with 4-wheel POSI-STOP brake system for maximum safety, reliability and low maintenance cost
- Centralized service points and modular design for easy service access and fast component exchange
- Excellent service and parts back-up worldwide

WEIGHTS

Payload 33.0 tonne..... 36.4 ton
 Machine weight, approx..... 27.2 tonne.....30.0 ton
 GVW 60.2 tonne..... 66.4 ton

SAE VOLUME

Struck 16.4 m³..... 21.5 yd³
 Heaped 19.6 m³..... 25.7 yd³
Custom box size to suit different ore weight available.

OVERALL DIMENSIONS

Length..... 10 235 mm.....33' 7"
 Width..... 2 745 mm.....9' 0"
 Height over box sides..... 2 515 mm.....8' 3"
 Height over cab2 695 mm.....8' 10"

TURNING RADIUS

Inside..... 4 850 mm.....15' 11"
 Outside..... 8 560 mm.....28' 1"
 Angle42°

DISCHARGING

Height at maximum dump angle ...5 285 mm..... 17' 4"
 Maximum dump angle65°



Available with optional automatic tailgate.

DUX Model DT-33N Narrow Low Profile End Dump Truck

TECHNICAL SPECIFICATIONS*

Engine

Make and model Cummins QSM 11 with Electronic Management System
Derated power 298 kW (400 HP) @ 2100 RPM
Cylinders 6 in line
Aspiration Turbocharged, after-cooled
Displacement 10.8 L 660 in³
Starter 24-volt
Air intake cleaner Donaldson 2-stage dry type with service gauge
Exhaust system Catalytic purifier with integrated silencer
Cooling Water and air-to-air cooling
Emission standard Meets EPA Tier 3, Euro Stage IIIA

Torque Converter

Make and model Dana SOH CL 8000 series, single stage with automatic lock-up and flex plate drive

Transmission

Make and model Dana SOH 6000 series,
Speeds 4 speeds in forward and reverse

Axles

Make and model Dana SOH 21D with high traction differential and POSI STOP brakes on all 4 wheel ends

Tires

– Bridgestone 26.5R25 multi-star, L-4 VSNT radial

Brakes

Service and 4-wheel POSI-STOP totally enclosed multi-disc, emergency/parking liquid cooled, Spring Applied Hydraulically Released (SAHR) with its own independent circulating cooling system and accumulator back-up
Automatic Brake Applies brake in case of engine failure or pressure Applicator (ABA) drop in torque converter

Steering

– Articulated frame hydraulic power steering with pilot monostick control
– Double acting steering cylinders (2)
– $\pm 42^\circ$ steering angle each way for a total of 84°

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

Operator Compartment

– Side seated for maximum visibility and bi-directional operation
– Heavy-duty adjustable suspension seat with arm rests and retractable 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
– Heavy-duty double acting two-stage fully protected telescopic dump cylinders (2) with hard chrome plated stems
– Heavy-duty PTO-driven variable displacement piston pumps with load sensing driven from 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 605 L 160 US gallons
Hydraulic oil 340 L 90 US gallons
Brake cooling oil 114 L 30 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 (4), rear (2), and all-directional (1) LED high-intensity lights
– Heavy-duty batteries (2)
– Signal horn and audible, adjustable back-up alarm

Standard Features

Cummins QSM 11, EPA Tier 3, Euro Stage IIIA electronic engine • PRAN display monitor includes digital fuel gauge • 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) • Neutral engine start protection • Centralized manual lubrication mid-ship • Dump box and articulation safety bars • Triangular rear reflectors (2) • Parts/Operator/Maintenance manuals • Compliant with MSHA, CANMET and CE regulation

Options

Different engine • Engine brake • Certified FOPS/ROPS canopy • Fully equipped certified FOPS/ROPS noise suppression cab • Automatic tailgate • Automatic lubrication system • Fire suppression system • Intec video system • Teledump or ejector body • Spare rim assembly • Knock-down construction for lowering unit down mine shaft • OTHER OPTIONS ON REQUEST



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