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

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 cab .............................. 2 695 mm ............ 8’ 10”

TURNING RADIUS
Inside ........................................ 4 850 mm ............ 15’ 11”
Outside ....................................... 8 560 mm ............ 28’ 1”
Angle .......................................... 42°

DISCHARGING
Height at maximum dump angle ... 5 285 mm ............ 17’ 4”
Maximum dump angle ................... 65°

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.
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, 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 emergency: 4-wheel POSI-STOP totally enclosed multi-disc, liquid cooled, Spring Applied Hydraulically Released
- Oscillation: (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)
- ± 42º steering angle each way for a total of 84º

**Oscillation**
- ±10º center of oscillation for a total of 20º
- 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
- 34º 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

Manufactured by:

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* Specifications subject to change without notice.