FEATURES

- Field-proven, articulated DUX DT-24 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 tramping 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: 9 300 mm (30' 6")
Width: 2 285 mm (7' 6")
Height over box sides: 2 390 mm (7' 10")
Height over FOPS/ROPS cab: 2 490 mm (8' 2")

TURNING RADIUS

Inside: 4 420 mm (14' 6")
Outside: 7 500 mm (24' 7")
Angle: 43°

DISCHARGING

Height at maximum dump angle: 4 675 mm (15' 4")
Maximum dump angle: 65°

WEIGHTS

Payload: 22.0 tonne, 24.2 ton
Machine weight, approx: 23.5 tonne, 25.9 ton
GVW: 45.5 tonne, 50.1 ton

SAE VOLUME

Struck: 10.2 m³, 13.4 yd³
Heaped: 12.5 m³, 16.3 yd³
Ore weight: 1.8 t/m³, 3,035 lb/yd³

Custom box size to suit different ore weight available.
TECHNICAL SPECIFICATIONS

**Engine**
- Make and model: Cummins QSL 9 with Electronic Management System
- Derated power: 224 kW (300 HP) @ 2100 RPM
- Aspiration: Turbocharged, liquid and charged air cooled
- Displacement: 8.9 L (543 in³)
- Starter: 24-volt

**Cooling**
- Water and air-to-air intercooling (Firwin wrap and heat shield)

**Exhaust System**
- Purimuffler and silencer exhaust heat protection

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

**Torque Converter**
- Make and model: Dana SOH 19D with high traction differential and POSI STOP brakes on all 4 wheel ends

**Axles**
- Make and model: Dana SOH 19D with high traction differential and POSI STOP brakes on all 4 wheel ends

**Tires**
- Bridgestone 18.00R25, 2 star, VELS, E-4 tubeless radial

**Brakes**
- Service and emergency/parking liquid cooled, spring applied hydraulically released
- Automatic Brake: Applies brake in case of engine failure or pressure

**Steering**
- Articulated frame hydraulic power steering with pilot monostick control
- Double acting steering cylinders (2)
- ± 43° steering angle each way for a total of 86°

**Oscillation**
- ±10° center of oscillation for a total of 20°
- Large sized, heavy-duty roller bearing for minimum maintenance and 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 located 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
- ¾” 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: 379 L (100 US gallons)
- Hydraulic oil: 340 L (90 US gallons)
- Brake cooling oil: 114 L (30 US gallons)

**Electrical System**
- 24-volt negative ground
- 80 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 (4), and all-directional (1) LED high-intensity lights
- Heavy-duty batteries (2)
- Signal horn and audible, adjustable back-up alarm

**Standard Features**
- Cummins QSL 9, 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)
- 9 kg (20 lb) hand held fire extinguisher
- 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 retarder
- 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
- Ejector box or teledump box
- OTHER OPTIONS ON REQUEST

Manufactured by:

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* Specifications subject to change without notice.*