FEATURES

• Field-proven, articulated DUX DT-22 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 .......................................... 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 ........................................ 7 525 mm ............. 24’ 8”
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 ............................................ 10.1 m³ ............. 13.2 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: Mercedes OM 926 LA with Electronic Management System
- Derated power: 240 kW (322 HP) @ 2200 RPM
- Cylinders: In line 6
- Displacement: 7.2 L (439 in³)
- Starters: 24-volt

**Torque Converter**
- Make and model: Dana SOH CL 8000 series, single stage
- 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 19D with high traction differential and POSI STOP brakes on all 4 wheel ends

**Tires**
- Make and model: Bridgestone 18.00R25, 2 star, VELS, E-4 tubeless radial

**Brakes**
- Service and: 4-wheel POSI-STOP totally enclosed multi-disc, emergency/parking liquid cooled, spring applied hydraulically released
- Automatic brake: Applies brake in case of engine failure or pressure

**Air Intake Cleaner**
- Donaldson 2-stage dry type with service gauge

**Cooling**
- Liquid cooled, spring applied hydraulically released

**Emission Standard**
- EPA Tier 3, Euro Stage IIIA

**Fuel**
- 379 L (100 US gallons)

**Brake Cooling Oil**
- 114 L (30 US gallons)

**Exhaust**
- Catalytic purifier with silencer

**Starter**
- 24-volt

**Engine Aspiration**
- Direct injected, turbocharged, after cooled

**Engine Cylinders**
- In line 6

**Engine Derated Power**
- 240 kW (322 HP) @ 2200 RPM

**Hydraulic System**
- Heavy-duty double acting protected steering cylinders (2)
- Heavy-duty double acting protected telescopic dump cylinders (2)
- Heavy-duty PTO-driven variable displacement piston pumps with load sensing driven from converter
- In-line 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

**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

**Options**
- Different engine
- Engine retarder
- Certified FOPS/ROPS canopy
- Fully equipped certified FOPS/ROPS noise suppression cab
- Operator facing forward with Orbitrol wheel steering and trainer’s seat
- Automatic tailgate
- Automatic lubrication system
- Fire suppression system
- Intec video system
- Teledump or ejector body
- Spare rim assembly
- Ejector box or teledump box

**Footnotes**
* Specifications subject to change without notice.

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