



COMPACT PROFILE END DUMP TRUCK

**MODEL
DT-22**

22.5 metric tonne · 24.8 short ton payload — 10.5 m³ · 13.7 yd³ capacity



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

WEIGHTS

Payload 22.5 tonne.....24.8 ton
 Machine weight, approx..... 23.5 tonne.....25.9 ton
 GVW 46.0 tonne.....50.7 ton

SAE VOLUME*

Struck 8.6 m³..... 11.2 yd³
 Heaped 10.5 m³..... 13.7 yd³
 Loose ore density.....2.1 t/m³..... 3,540 lb/yd³

*Custom box size to suit different ore weight available.

OVERALL DIMENSIONS

Length.....9 300 mm.....30' 6"
 Width..... 2 285 mm.....7' 6"
 Height over box sides..... 2 285 mm.....7' 6"
 Height over canopy or cab 2 540 mm.....8' 4"

TURNING RADIUS

Inside..... 4 420 mm..... 14' 6"
 Outside..... 7 525 mm..... 24' 8"
 Angle43°

DISCHARGING

Height at maximum dump angle...4 825 mm..... 15' 10"
 Maximum dump angle65°



DUX Model DT-22 Compact Profile End Dump Truck

TECHNICAL SPECIFICATIONS*

Engine

Make and model Mercedes OM926 LA electronic
Derated power 240 kW (322 HP) @ 2200 RPM
Cylinders 6 in line
Aspiration Turbocharged, after cooled
Displacement 7.2 L 439 in³
Starter 24-volt
Air intake cleaner Donaldson 2-stage dry type with service gauge
Exhaust system Catalytic purifier with silencer
Cooling Liquid cooled
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 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

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

Brakes

Service and 4-wheel POSI-STOP totally enclosed multi-disc,
emergency/parking liquid cooled, spring applied hydraulically released
..... 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)
– $\pm 43^\circ$ steering angle each way for a total of 86°

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
– 65° dumping angle for clean and rapid discharge cycles

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)
– Heavy-duty double acting protected telescopic dump cylinders (2)
– 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 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

Mercedes OM926 LA 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 • 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 • Video
system • Teledump or ejector body • Spare rim assembly • Cold weather
package • OTHER OPTIONS ON REQUEST



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