



NARROW LOW PROFILE END DUMP TRUCK

MODEL DT-22N

14.1 yd³ – 10.8 m³ capacity • 22 ton – 20 metric tonne payload



FEATURES

- The field-proven, high speed articulated DUX DT-22N narrow underground four-wheel drive dump truck is 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
- The DUX DT-22N permits efficient chute, side and end loading in narrow drifts with low headings
- Clean and rapid discharge cycles guaranteed with 68° dumping angle and smooth flow, wear resistant alloy steel dump box
- Electronically controlled engine reduces fuel consumption and ventilation requirement
- For maximum safety, reliability and low maintenance cost, the DUX DT-22N is equipped with four-wheel POSI-STOP brake system
- Centralized service points and modular design allow for easy service access
- Excellent service and parts back-up worldwide

OVERALL DIMENSIONS

Length.....	28'-8"	8 740 mm
Width	7'-1"	2 160 mm
Height over dump body sides.....	7'-6"	2 285 mm
Height over FOPS/ROPS canopy or cab....	7'-6"	2 285 mm
..... optional 8'-6"	2 590 mm	

SAE DUMP BODY VOLUME*

Heaped	14.1 yd ³	10.8 m ³
Struck	12.3 yd ³	9.4 m ³

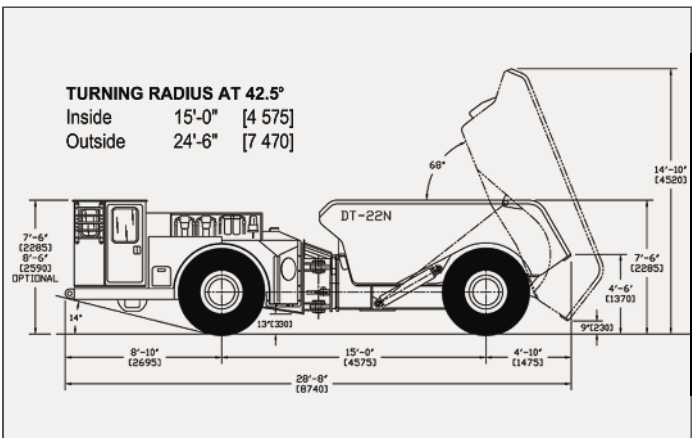
*Other box sizes available on request

DISCHARGING

Height req'd at max. dumping angle	14'-10"	4 520 mm
Maximum dumping angle	68°	
Approximate time	15 seconds	

WEIGHTS

Payload.....	22.0 tons	20.0 tonnes
Machine weight, approx.	20.0 tons	18.1 tonnes
GVW	42.0 tons	38.1 tonnes



DUX Model DT-22N Narrow Low Profile End Dump Truck

TECHNICAL SPECIFICATIONS*

Engine

Make..... Cummins
Model..... QSL 9 electronic
Derated power..... 280 HP (209 kW) @ 2100 RPM
Cylinders..... 6 in line
Aspiration..... Turbocharged / ATAAC
Displacement..... 543 in³..... 8.9 L
Starter..... 24-volt
Air intake cleaner..... Donaldson 2-stage dry type with service gauge
Exhaust system..... Catalytic purifier with silencer
Cooling..... Liquid and air to air, inter-cooled
Meets EPA Tier 3, Euro Stage IIIA

Transmission with Integrated Torque Converter

Make..... Dana /SOH
Model..... LHR 36 000 series with integrated torque
..... converter with automatic lock-up and flex plate
..... drive
Speeds..... 4 in forward and reverse

Axles

Make..... Dana /SOH
Model..... 16D with high traction differential and POSI STOP
..... brakes on all 4 wheel ends

Tires

- Bridgestone 16.00 R 25, 2 star, tubeless, VRLS, E-4, radial

Brakes

Service..... 4-wheel POSI-STOP totally enclosed multi-disc,
..... liquid cooled, spring applied hydraulically released
..... with its own independent circulating cooling
..... system and accumulator back-up
Emergency/parking..... Same as service (POSI-STOP)
Automatic brake (ABA)..... Standard automatic brake applicator (ABA),
..... applies brake in case of engine failure or
..... pressure drop in torque converter

Steering

- Articulated frame hydraulic power steering with pilot monostick control
- Double acting steering cylinders (2)
- $\pm 42.5^\circ$ steering angle each way for a total of 85°

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, four-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 prolonging service life
- 68° dumping angle for clean discharge

Operator's 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 for maximum comfort and safety
- 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 gear-type pumps driven from torque converter
- 125 mesh suction filter
- 126 mesh brake cooling return filter
- 10 micron inline high pressure with service gauge
- $\frac{3}{4}$ in. inside diameter and over hoses that are four-spiral wire braid and have crimped hose end swivel fittings
- Hose bulk-head

Tank Capacities

Fuel..... 90 US gallons 340 L
Hydraulic oil..... 83 US gallons 314 L
Brake cooling oil..... 25 US gallons 95 L

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 (2), rear (2), and all-directional (1) halogen high-intensity lights
- Heavy-duty batteries (2)
- Signal horn
- 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
- Proven heavy-duty Dana /SOH powertrain and 4-wheel POSI-STOP brakes
- Automatic converter lock-up
- Automatic engine shut-off at low oil pressure and high temperature
- Hourmeter
- All necessary gauges for engine, converter and brake pressure
- Neutral engine start protection
- Centralized manual lubrication manifold mid-ship
- Dump box and articulation safety bars
- Triangular rear reflectors (2)
- Parts/Operator/Maintenance Manuals plus CD in PDF format
- Compliant with MSHA, CANMET and CE regulation

Options

- Different engine
- FOPS/ROPS canopy
- Alternatively, fully equipped operator's cab
- Automatic tailgate
- Automatic lubrication system
- Fire suppression system
- Intec video system
- Cold weather package
- OTHER OPTIONS ON REQUEST

* Specifications subject to change without notice.



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