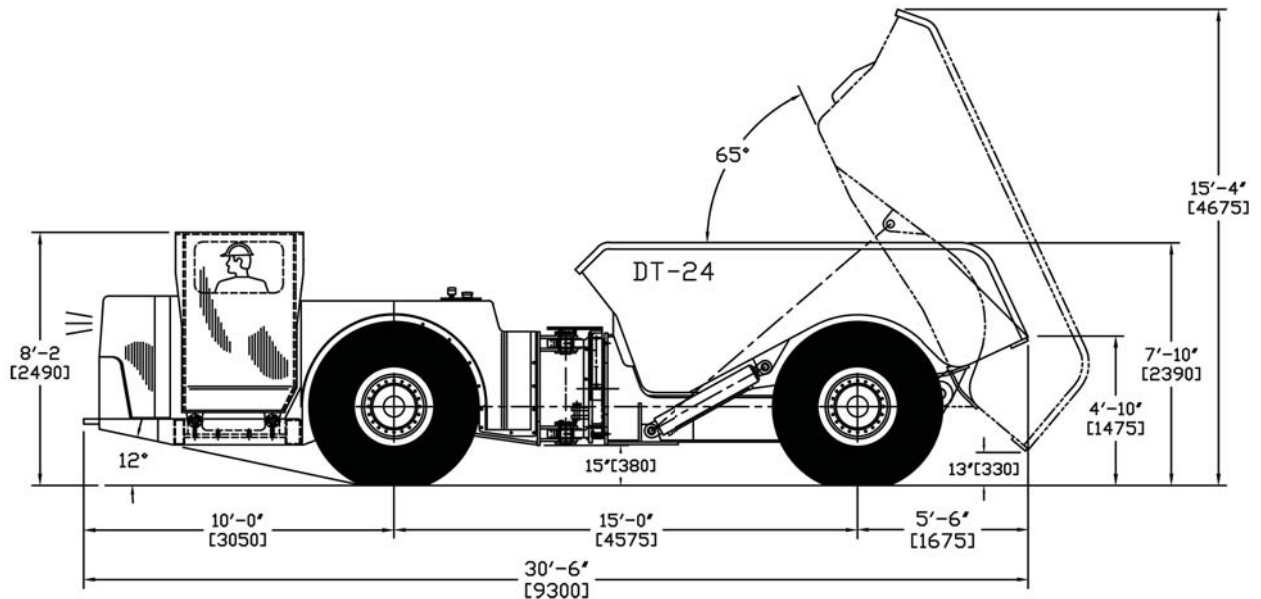




COMPACT PROFILE END DUMP TRUCK

MODEL DT-24

16.3.0 yd³ – 12.5 m³ capacity • 24.3 ton – 22 metric tonne payload



The DUX MODEL DT-24, 22 tonne payload capacity high speed articulated underground haulage truck is only 2.28 meter wide and is well suited to operate in confined workings and small drifts. The ruggedly built DT-24 is maintenance friendly guaranteeing long trouble free life with low operating cost-per-tonne on development projects and high capacity production hauling of ore, waste and backfill on level and steep ramps.

FEATURES

- Excellent load retention hauling up steep ramps guaranteed - high power to weight ratio
- The DUX DT-24 permits efficient chute, side and end loading in confined areas
- Clean and rapid discharge cycles guaranteed with 65° 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-24 is equipped with four-wheel POSI-STOP braking system
- Centralized service points and modular design allow for easy service access and fast component exchange
- Excellent service and parts back-up worldwide

TURNING RADIUS @ 43° TURNING ANGLE

Inside	14'-6"	4 420 mm
Outside	24'-7"	7 500 mm

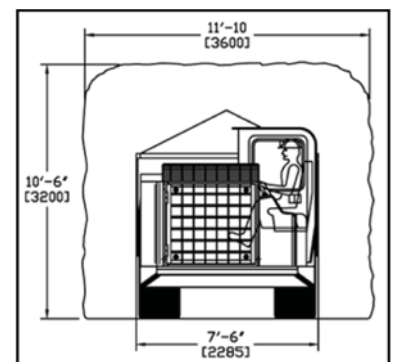
DUMP BOX VOLUME WITH OPTIONAL TAILGATE

SAE struck	12.5 yd ³	9.6 m ³
SAE heaped	16.3 yd ³	12.5 m ³

*Other box sizes and configuration available on request

WEIGHTS

Payload	48,500 lbs	22 000 kg
Machine weight, approx.	50,000 lbs	22 680 kg
GVW	98,500 lbs	44 680 kg



DUX Model DT-24 Compact Profile End Dump Truck

TECHNICAL SPECIFICATIONS*

Engine

Make Cummins
Model QSL 9 electronic
Power setting 300 HP (224 kW) @ 2100 RPM
Number of cylinders 6
Displacement 543 in³ 8.9 L
Aspiration Turbocharged and charge air cooled
Starter 24-volt
Air intake cleaner Donaldson 2-stage dry type with service gauge
Exhaust system Purmuffler and silencer exhaust heat protection
..... (Firwin wrap and heat shield)
Cooling Liquid cooled with air inter cooling
Meets EPA Tier 3, Euro Stage IIIA

Torque Converter

Make Dana /SOH
Model CL8000 series, single stage with automatic lock-up
..... and flex plate drive

Transmission

Make Dana /SOH
Model R36000 series with electric gear shift
Speeds 4 in forward and in reverse
Axles
Make Dana /SOH
Model 19D2748 with high traction differential and
..... POSI-STOP brakes on all 4 wheel ends

Tires

- Bridgestone 18.00-25, 32 ply, TL RLS-R-LUGS-E4 (other makes & radial optional)

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 (4-wheel 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 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, 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 Box

- Made from impact reinforced impact, wear-resistant alloy steel plates, substantially prolonging service life
- 65° dumping angle for clean discharge
- Available with optional automatic tailgate

Operator's Compartment

- Side seated for maximum visibility and bi-directional operation
- Heavy-duty adjustable air suspension seat with arm rests, Lumbar support, retractable seat belt, and monostick pilot control for steering and dumping
- 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)
- Heavy-duty double acting protected telescopic dump cylinders (2)
- Heavy-duty pumps, load sensing
- 125 mesh suction filter
- 10 micron inline high pressure filter with service gauge
- $\frac{3}{4}$ in. inside diameter and over high pressure hoses that are four-spiral braid and have crimped hose end swivel fittings

Tank Capacities

Fuel 100 US gallons 379 L
Hydraulic oil 90 US gallons 340 L
Brake cooling oil 30 US gallons 114 L

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), halogen high-intensity lights
- Heavy-duty batteries (2), 1000 CCA per battery
- Signal horn
- Audible, adjustable back-up alarm

Standard Features

- Cummins QSL 9 electronic engine
- Electronic Display Monitor (PRAN), fuel gauge display on PRAN
- Proven heavy-duty Dana /SOH powertrain and 4-wheel POSI-STOP brakes with ABA (Automatic Brake Applicator)
- Automatic lock-up
- Neutral engine start protection
- DUX long-life, maintenance friendly dump box, clean discharge
- Centralized manual lubrication mid-ship
- 20 lb (9 kg) hand held fire extinguisher
- Flexible rock-guard over articulation
- Wheel chocks (2) with storage brackets (2)
- Articulation safety bar
- Dump box safety bar required for service
- High intensity halogen working lights
- External oil drains for engine and transmission
- Non slip service surfaces
- Automatic engine shut-off at low oil pressure and high temperature
- Hourmeter, converter and brake pressure gauges, as well as all necessary pressure gauges not covered by PRAN monitoring module
- Triangular rear reflectors (2)
- Parts/Operator/Maintenance manuals (3 sets)
- Compliant with MSHA, CANMET and CE regulation

Options

- Different engine
- Automatic tailgate
- FOPS/ROPS canopy or alternatively, fully equipped FOPS/ROPS cab
- Intec video system: camera and monitor (colour)
- Fire suppression system
- Thermostat controlled viscous fan
- Cold weather starting aid, heaters for engine/transmission/hydraulic oil tanks and battery heat blanket
- Automatic lubrication system
- Pfreundt weighing system
- Electronic parts manual LinkOne
- OTHER OPTIONS ON REQUEST

* Specifications subject to change without notice.



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