



LOW PROFILE END DUMP TRUCK

MODEL DT-12

11 metric tonne • 12 short ton payload — 6.0 m³ • 7.8 yd³ capacity



FEATURES

- The 1.83 m (6' 0") wide DUX DT-12 articulated 4-wheel drive underground dump truck is easy to maneuver in confined areas and very well suited for narrow vein mining
- Excellent load retention and fast tramming up steep ramps guaranteed — highest power to weight ratio in its class
- Spacious operator compartment is ergonomically designed for maximum visibility and bidirectional tramming, operator can safely control and monitor machine functions at a glance
- Clean and rapid discharge cycles guaranteed with 70° dump angle and smooth flow, wear resistant alloy steel dump box
- Centralized service points and modular design for easy service access and fast component exchange
- Excellent service and parts back-up worldwide

WEIGHTS

Payload 11.0 tonne..... 12.0 ton
 Machine weight, approx..... 11.8 tonne..... 13.0 ton
 GVW 22.8 tonne..... 25.0 ton

SAE VOLUME*

Struck 5.0 m³..... 6.6 yd³
 Heaped 6.0 m³..... 7.8 yd³

**Custom box size to suit different ore weight available.*

OVERALL DIMENSIONS

Length 6 860 mm..... 22' 6"
 Width 1 830 mm..... 6' 0"
 Height over box sides 1 905 mm..... 6' 3"
 Height over canopy 2 360 mm..... 7' 9"

TURNING RADIUS

Inside 4 345 mm..... 14' 3"
 Outside 6 400 mm..... 21' 0"
 Angle 40°

DISCHARGING

Height at maximum dump angle... 3 500 mm..... 11' 6"
 Maximum dump angle 70°
 Approx. discharge time 13.5 seconds



DUX DT-12 with EPA Tier 4 Final, EU Stage V engine.

DUX Model DT-12 Low Profile End Dump Truck

TECHNICAL SPECIFICATIONS*

Engine

Make and model Cummins B4.5 electronic
Derated power 123 kW (165 HP) @ 2200 RPM
Cylinders 4
Aspiration Turbocharged and charge air cooled (Cummins VGT
..... Turbocharger)
Displacement 4.5 L 275 in³
Combustion process Electronic High Pressure Common Rail (HPCR) Fuel
..... System
Starter 24-volt electric
Air intake cleaner Cummins Direct Flow Air Cleaner
Exhaust system EGR free with Single Module™ aftertreatment
..... system combines Diesel Oxidation Catalyst (DOC),
..... Diesel Particulate Filter (DPF), Diesel Exhaust Fluid
..... (DEF) and Selective Catalytic Reduction (SCR)
Cooling Liquid and air-to air cooling
Emission standard Meets EPA Tier 4 Final, EU Stage V

Transmission with Integrated Torque Converter

Make and model Dana SOH HR24000 series with integrated
..... torque converter and flex plate drive
Speeds 3 in forward and reverse

Axles

Make and model Kessler Model D71 series axles with spring applied
..... hydraulically released liquid force cooled multi-disc
..... brakes on all 4-wheel ends

Tires

– Michelin 12.00R24, L-5 D2 X-MINE 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
– Orbitrol valve-type with steering wheel and cushion valve
– Double acting steering cylinders (2)
– ± 40° steering angle each way for a total of 80°

Oscillation

– ±10° 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

Operator Compartment

– Side seated for maximum visibility and bidirectional operation
– Heavy-duty adjustable suspension seat with arm rests and seat belt
– Shock mounted compartment floor for maximum comfort
– All controls and gauges are 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
cylinder with hard chrome plated stems
– Heavy-duty PTO driven gear-type pumps driven from torque 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 165 L 44 US gallons
Hydraulic oil 165 L 44 US gallons
Brake cooling 68 L 18 US gallons

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) LED high-intensity lights
– Heavy-duty batteries (2)
– Signal horn and audible, adjustable back-up alarm

Standard Features

Cummins B4.5, EPA Tier 4 Final, EU Stage V 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

DT-12 or DT-12N configuration • Different engine • Roll Bar • Certified
FOPS/ROPS canopy • Automatic tailgate • Automatic lubrication system
• Fire suppression system • Video system • Spare rim assembly • Cold
weather package • OTHER OPTIONS ON REQUEST



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