



CONCRETE HAULER

MODEL DT-20T

20 metric tonne · 22 short ton — 8.1 m³ · 10.6 yd³ payload capacity



FEATURES

- High speed articulated DUX DT-20T underground dump truck especially designed for major rail and tunnel projects provides low cost concrete transport
- Trackless with 16.00R25 radial tires, eliminates need for expensive infrastructure used with locomotive or conveyer
- Clean emission, powerful, electronically controlled diesel engine allows for fast tramming speeds with full payload
- Fast and easy tramming in both forward and reverse with bidirectional Orbitrol wheel steering and elevated operator compartment located mid-ship for maximum visibility
- Excellent load retention with automatic tailgate
- Clean and rapid discharge cycles guaranteed with 90° dumping angle and smooth flow, wear resistant alloy steel box
- Centralized service points and modular design for easy service access and fast component exchange
- Excellent service and parts back-up worldwide

OVERALL DIMENSIONS

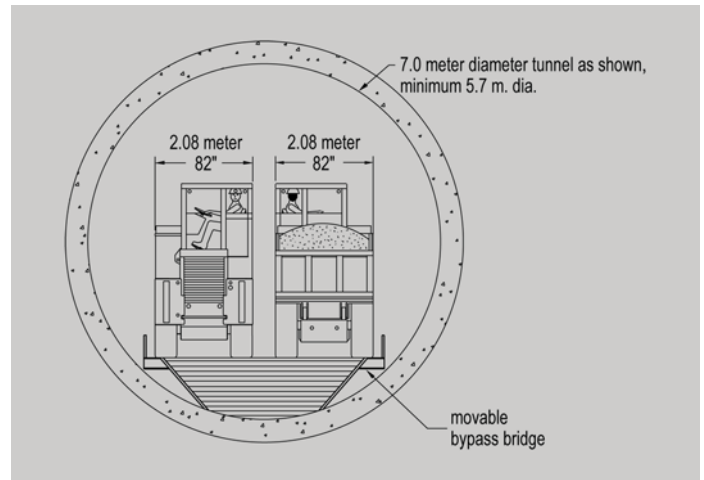
Length8 080 mm..... 26' 6"
 Width2 060 mm6' 9"
 Height over raised canopy3 455 mm 11' 4"

TURNING RADIUS @ 40°

Inside4 445 mm 14' 7"
 Outside.....7 010 mm23' 0"

DISCHARGING

Height at 90° dump angle4 420 mm..... 14' 6"



DUX Model DT-20T Concrete Hauler

TECHNICAL SPECIFICATIONS*

Engine

Make and model Cummins QSB 6.7 with Electronic
..... Management System
Derated power 164 kW (220 HP) @ 2300 RPM
Cylinders 6
Aspiration Turbocharged, after-cooled
Displacement..... 6.7 L 408 in³
Starter 24-volt
Air intake cleaner Donaldson 2-stage dry type with service gauge
Exhaust system..... Catalytic purifier with integrated silencer
Cooling Liquid
Emission standard Meets EPA Tier 3, Euro Stage IIIA

Transmission with Integrated Torque Converter

Make and model Dana SOH HR32000 series, single stage integrated
..... torque converter with flex plate drive
Speeds 4 in forward and in reverse

Axles

Make and model Dana SOH 16D 2149 with high traction differential
..... and POSI STOP brakes on all 4 wheel ends

Tires

– Bridgestone 16.00R25, 2*, VRLS tubeless, radial

Brakes

Service and 4-wheel POSI-STOP totally enclosed multi-disc,
emergency/parking liquid cooled, Spring Applied Hydraulically
..... Released (SAHR) with 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 steering valve-type with steering wheel and cushion valve
– Double acting steering cylinders (2)
– $\pm 40^\circ$ steering angle each way for a total of 80°

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

Clean Shell Dump Body

– Made from reinforced impact, wear resistant alloy steel plates,
substantially prolonging service life
– 90° dumping angle for clean discharge
– Automatic tailgate

Operator Compartment

– Raised for maximum visibility
– Side seated for bi-directional operation
– Heavy-duty adjustable suspension seat with arm rests and retractable
seat belts
– 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
– 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..... 227 L 60 US gallons
Hydraulic oil 227 L 60 US gallons
Brake cooling 95 L 25 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 (4), 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 QSB 6.7, EPA 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 • Triangular rear reflectors (2) • Parts/
Operator/Maintenance manuals • Compliant with MSHA, CANMET and
CE regulation

Options

Different engine • Certified FOPS/ROPS canopy • Fully equipped certified
FOPS/ROPS noise suppression cab • Bolted spacer between frame and
operator compartment for improved visibility in reverse • Automatic
lubrication system • Fire suppression system • Intec video system • OTHER
OPTIONS ON REQUEST



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