



## CONCRETE HAULER

**MODEL  
DT-20T**

**20 metric tonne · 22 short ton — 8.1 m<sup>3</sup> · 10.6 yd<sup>3</sup> 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

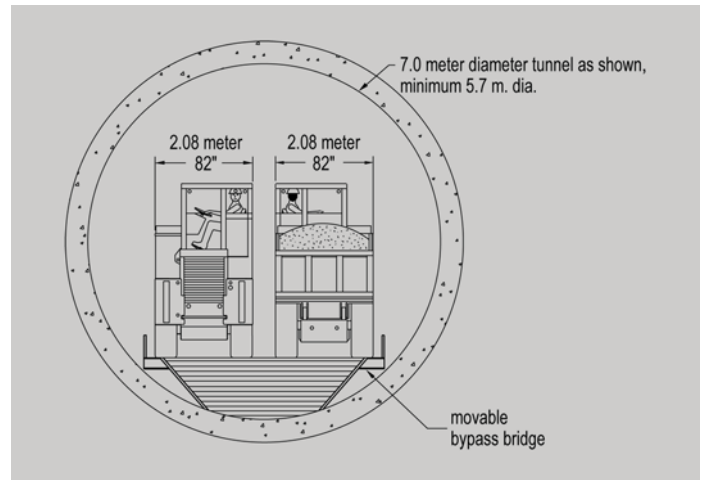
Length .....8 080 mm..... 26' 6"  
 Width .....2 060 mm .....6' 9"  
 Height over raised canopy .....3 455 mm ..... 11' 4"

### TURNING RADIUS @ 40°

Inside .....4 445 mm ..... 14' 7"  
 Outside..... 7 010 mm .....23' 0"

### DISCHARGING

Height at 90° dump angle ..... 4 420 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 in<sup>3</sup>  
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  $80^\circ$

### Oscillation

–  $\pm 10^\circ$  center of oscillation for a total of  $20^\circ$   
– 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  
–  $90^\circ$  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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