LOW PROFILE
END DUMP TRUCK

MODEL
DT-12

11 metric tonne • 12 short ton payload — 6.0 m³ • 7.9 yd³ capacity

FEATURES

• The 1.83 m (6’) 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 trarming up steep ramps guaranteed — highest power to weight ratio in its class.

• Spacious operator compartment is ergonomically designed for maximum visibility and bidirectional trarming, 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..................10.5 tonne ............ 11.6 ton
GVW............................................ 21.5 tonne ............ 23.6 ton

SAE VOLUME

Struck ........................................ 5.2 m³ .......... 6.8 yd³
Heaped........................................ 6.0 m³ .......... 7.9 yd³

Custom box size to suit different ore weight available.

OVERALL DIMENSIONS

Length....................................... 6 810 mm ............ 22’ 4”
Width ......................................... 1 830 mm ............ 6’ 0”
Height over box sides .................. 1 905 mm ............ 6’ 3”
Height over canopy .................... 2 335 mm ............ 7’ 10”

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°

Printed in Canada
### TECHNICAL SPECIFICATIONS

#### Engine
- **Make and model**: Cummins QSB 4.5 with Electronic Management System
- **Derated power**: 110 kW (148 HP) @ 2300 RPM
- **Cylinders**: 4
- **Aspiration**: Turbocharged and charge air cooled
- **Displacement**: 4.5 L
- **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 HR24000 series with integrated torque converter and flex plate drive
- **Speeds**: 3 in forward and in reverse

#### Frames and Pins
- **Frames**: Articulated frame hydraulic power steering
- **Pins**: Double acting steering cylinders (2)
- **Oscillation**: ± 45° steering angle each way for a total of 90° (DTS-12)
- **± 40° steering angle each way for a total of 80° (DT-12)

#### Brakes
- **Service**: 4-wheel power multi-internal wet disc, dual hydraulic power control with accumulator back-up
- **Emergency/parking**: Fail-safe 100% back-up Spring Applied Hydraulic Released (SAHR) multi-internal wet 4 wheel brakes
- **Automatic Brake**: Applies brake in case of engine failure or Applicator (ABA) pressure drop in torque converter

#### Tires
- **Make and model**: Michelin 12.00R24 X-MINE D2, L5, radial

#### Hydraulic System
- **Starter**: 24-volt
- **Aspiration**: Turbocharged and charge air cooled
- **Cylinders**: 4
- **Derated power**: 110 kW (148 HP) @ 2300 RPM
- **Fuel System**: Diesel fuel injection system
- **Hydraulic System**: Heavy-duty double acting protected steering cylinders (2) with hard chrome plated stems
- **Transmission**: Heavy-duty double acting two-stage fully protected telescopic dump cylinder with hard chrome plated stems
- **Axles**: Heavy-duty PTO driven gear-type pumps driven from torque converter
- **Starter**: Inline high pressure filter with service gauge
- **Tires**: 3¾” inside diameter and over hoses that are four-spiral wire braid and have crimped hose end swivel fittings

#### Electrical System
- **Starter**: 24-volt negative ground
- **Aspiration**: 75 amp alternator with integrated sealed voltage regulator
- **Fuel System**: Main electric cut-off switch
- **Tires**: 24-volt negative ground
- **Hydraulic System**: 75 amp alternator with integrated sealed voltage regulator
- **Axles**: Main electric cut-off switch
- **Hydraulic System**: 24-volt negative ground
- **Tires**: 24-volt negative ground
- **Hydraulic System**: 24-volt negative ground

#### Standard Features
- **Tires**: Cummins QSB 4.5, 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 not covered by PRAN electronic display module • Wheel chocks (2) with storage brackets (2) • Neutral engine start protection • Centralized manual lubrication manifold mid-ship • Dump box and articulation safety bars • Triangular rear reflectors (2) • 9 kg (20 lb) hand-held fire extinguisher • Parts/Operator/Maintenance Manuals • Compliant with MSHA, CANMET and CE regulation

#### Options
- **DTS-12 or DT-12 configuration** • Different engine • Diesel particulate filter • Certified FOPS/ROPS canopy • Fully equipped certified FOPS/ROPS noise suppression cab • Automatic lubrication system • Fire suppression system • Spare rim assembly • OTHER OPTIONS ON REQUEST

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*Specifications subject to change without notice.*