



COMPACT PROFILE END DUMP TRUCK

MODEL DT-17N

12.0 yd³ – 9.2 m³ capacity • 17.0 ton – 15.4 metric tonne payload



The DUX MODEL DT-17N, 15.4 tonne payload capacity high speed articulated haulage truck is only 1.98 meters wide and is well suited to operate in confined workings, small drifts and tunnel projects. The ruggedly built DT-17N 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 ramps.

FEATURES

- Excellent load retention and fast tramming up steep ramps guaranteed - highest power to weight ratio in its class
 - The DUX DT-17N permits efficient chute, side and end loading in narrow drifts with low headings
 - Clean and rapid discharge cycles guaranteed with 70° 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-17N is equipped with four-wheel totally enclosed wet multi disc brake 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 @ 45° TURNING ANGLE

Inside	12'-5"	3 785 mm
Outside	20'-4"	6 200 mm

DUMP BOX VOLUME

	Standard	For light material as shown with optional side boards
SAE struck.....	10.6 yd ³ (8.1 m ³).....	11.5 yd ³ (8.8 m ³)
Semi-heaped.....	11.3 yd ³ (8.6 m ³).....	12.3 yd ³ (9.4 m ³)
SAE heaped.....	12.0 yd ³ (9.2 m ³).....	13.1 yd ³ (10.0 m ³)

**Other box sizes available on request*

WEIGHTS

Payload.....	34,000 lbs	15 422 kg
Machine weight, approx.	32,000 lbs	14 515 kg
GVW	66,000 lbs	29 937 kg



Optional bolted spacer raises FOPS/ROPS operator's compartment for excellent visibility in reverse driving. Sixteen DUX DT-17N's equipped with spacers are hauling excavated muck in a major water tunnel project in Chile.

DUX Model DT-17N Compact Profile End Dump Truck

TECHNICAL SPECIFICATIONS*

Overall Dimensions

Length.....	26'-2"	7 975 mm
Width	6'-6"	1 980 mm
Height over dump body side.....	7'-3"	2 210 mm
Height over FOPS/ROPS canopy	7'-11"	2 415 mm (variable)

Discharging

Height at max. dump angle....	14'-5"	4 395 mm
Maximum dumping angle	70°	
Approx. discharge time.....	13.5 seconds	

Engine

Make	Cummins
Model.....	QSB 6.7
Power	200 HP (149 kW) @ 2100 RPM
Number of cylinders	6
Aspiration	Turbocharged, after-cooled
Displacement	408 in ³ 6.7 L
Starter	24-volt
Air intake cleaner	Donaldson 2-stage dry type with service gauge
Exhaust system	Catalytic purifier with integrated silencer
Cooling	Liquid
Meets EPA Tier 3, NRMM (Europe) Stage IIIA	
Powershift Transmission with Integrated Torque Converter	
Make	Dana /SOH (Clark-Hurth)
Model.....	HR32000 series with 4 speeds in forward and reverse
.....	single stage integrated torque converter with flex plate
.....	drive

Front and Rear Axles

Make	New Holland
Model.....	D65I heavy-duty planetary axles with internal multiple
.....	wet disc brakes for each wheel end

Tires

- Bridgestone 16.00 R 25, 2 star, VRLS, tubless radial

Brakes

Service	Dual hydraulic power control system, four wheel wet
.....	totally enclosed multi disc brakes with accumulator
.....	back-up
Emergency/parking	Fail safe spring applied hydraulically released totally
.....	enclosed multiple wet disc brakes on four wheels
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
- Orbitrol steering valve-type with steering wheel and cushion valve
- Double acting steering cylinders (2)
- $\pm 45^\circ$ steering angle each way for a total of 90°

Center 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 on uneven terrain

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 that are reinforced, substantially prolonging service life
- 70° dumping angle for clean discharge

Operator's Compartment

- FOPS/ROPS operator's compartment (partially enclosed)
- Side seated for maximum visibility and bi-directional operation
- Heavy-duty adjustable suspension seat with arm rests and retractable seat belt
- Shock mounted compartment floor for maximum comfort and safety
- All controls and gauges located within easy reach and view of operator

Hydraulic System

Cylinders:

- Heavy-duty double acting protected steering cylinders (2)
- Heavy-duty double acting dump cylinders (2)

Pump:

- Heavy-duty PTO-driven gear-type pump driven from converter
- 2000 PSI (13.8 Mpa) system pressure

Filters:

- 125 mesh suction filter
- 10 micron inline high pressure filter with service gauge

Hoses:

- $\frac{3}{4}$ in. inside diameter and over high pressure hoses that are four-spiral braid and have crimped hose end swivel fittings

Tank Capacities

Fuel.....	60 US gallons	227 L
Hydraulic oil.....	60 US gallons	227 L

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

Standard Features

- Cummins QSB 6.7 electronic engine, EPA Tier 3, Euro Stage IIIA
- FOPS/ROPS operator's compartment
- Neutral engine start protection
- Automatic engine shut-off at low oil pressure and high temperature
- Speedometer
- Centralized manual lubrication mid-ship
- Dump box and articulation safety bars
- 20 lb (9 kg) hand held fire extinguisher
- Triangular rear reflectors (2)
- Wheel chucks (2) with storage brackets (2)
- Parts/Operator/Maintenance manuals in English
- Compliant with MSHA, CANMET and CE regulation

Options

- FOPS/ROPS cab
- Bolted spacer between frame and cab for max. visibility in reverse driving in tunnels
- Fire suppression system
- Automatic lubrication system
- Automatic tail gate
- Spare rim assembly
- Electronic parts manual
- OTHER OPTIONS ON REQUEST

* Specifications subject to change without notice.



Manufactured by:

DUX MACHINERY CORPORATION

615 Lavoisier, Repentigny Quebec, Canada J6A 7N2

Phone: (+1) 450-581-8341 • Fax: (+1) 450-581-5138

Website: www.duxmachinery.com