



## EJECTOR TRUCK

**MODEL  
ET-24**

**22 metric tonne · 24 short ton payload — 9.0 m<sup>3</sup> · 11.8 yd<sup>3</sup> capacity**



### FEATURES

- Field-proven, articulated DUX ET-24 underground 4-wheel drive ejector truck is well suited for the transport of ore, waste and backfill on level and steep grades in drifts with extremely low headings
- High power to weight ratio assures fast tramming up steep ramps
- Field proven Dana SOH powertrain
- Ruggedly built DUX ejector box made from high tensile abrasion resistant alloy steel consisting of main box with solid tubular front, reinforced bottom, formed sides
- Pusher plate arrangement activated by fully protected, double acting telescopic hydraulic cylinders (2) and hydraulically operated swing down automatic tailgate
- Electronically controlled engine reduces fuel consumption and ventilation requirement
- Equipped with 4-wheel POSI-STOP brake system for maximum safety, reliability and low maintenance cost
- Centralized service points and modular design for easy service access and fast component exchange
- Excellent service and parts back-up worldwide

### WEIGHTS

Payload ..... 22.0 tonne.....24.0 ton  
Machine weight, approx..... 24.0 tonne..... 26.2 ton  
GVW ..... 46.0 tonne..... 50.2 ton

### SAE VOLUME

Struck ..... 7.3 m<sup>3</sup>.....9.6 yd<sup>3</sup>  
Heaped ..... 9.0 m<sup>3</sup>..... 11.8 yd<sup>3</sup>  
*Custom box size to suit different ore weight available.*

### OVERALL DIMENSIONS

Length.....9 350 mm.....30' 8"  
Width..... 2 210 mm.....7' 3"  
Height over box sides..... 2 285 mm.....7' 6"  
Height over canopy or cab ..... 2 415 mm..... 7' 11"

### TURNING RADIUS

Inside..... 4 240 mm..... 13' 11"  
Outside..... 7 315 mm..... 24' 0"  
Angle .....43°



# DUX Model ET-24 Ejector Truck

## TECHNICAL SPECIFICATIONS\*

### Engine

Make and model ..... Cummins QSM 11 with Electronic Management System  
Derated power ..... 298 kW (400 HP) @ 2100 RPM  
Cylinders ..... 6  
Aspiration ..... Turbocharged, liquid and charged air cooled  
Displacement ..... 10.8 L ..... 660 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 ..... Water and air-to-air intercooling  
Emission standard ..... Meets EPA Tier 3, Euro Stage IIIA

### Torque Converter

Make and model ..... Dana SOH CL 8000 series, single stage with automatic lock-up and flex plate drive

### Transmission

Make and model ..... Dana SOH 6000 series, 4 speeds in forward and reverse

### Axles

Make and model ..... Dana SOH 19D with high traction differential and POSI STOP brakes on all 4 wheel ends

### Tires

– Bridgestone 18.00R25, 2\* E-4 tubeless, 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 with pilot monostick control  
– Double acting steering cylinders (2)  
–  $\pm 43^\circ$  steering angle each way for a total of  $86^\circ$

### 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

### Ejector Body

– Extra heavy-duty with solid tubular front, bottom and side frames, reinforces pusher plate actuated by fully protected, double acting telescopic hydraulic cylinders (2) and a bottom rear hydraulically

operated automatic tailgate  
– Made from impact wear-resistant alloy steel plates that are reinforced lengthening service life substantially  
– Telescopic ejector hyd. cylinders (2) and tailgate hyd. cylinders (2) are corrosion resistant nitrided for long life and trouble free service

### Operator Compartment

– 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  
– All controls and gauges located within easy reach and view of operator

### Hydraulic System

– Heavy-duty double acting protected steering cylinders (2)  
– Heavy-duty double acting protected telescopic ejector cylinders (2)  
– Heavy-duty PTO-driven variable displacement piston pumps with load sensing driven from 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 ..... 379 L ..... 100 US gallons  
Hydraulic oil ..... 340 L ..... 90 US gallons  
Brake cooling oil ..... 114 L ..... 30 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 QSM 11, 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 • 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 • Automatic lubrication system • Fire suppression system • Intec video system • Rear end dump or teledump body • Spare rim assembly • OTHER OPTIONS ON REQUEST



Manufactured by:

**DUX MACHINERY CORPORATION**

615 Lavoisier, Repentigny Quebec, Canada J6A 7N2

+1 450.581.8341 tel +1 450.581.5138 fax www.duxmachinery.com