



EJECTOR TRUCK

**MODEL
ET-24**

22 metric tonne · 24 short ton payload — 9.0 m³ · 11.8 yd³ 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 m³.....9.6 yd³
Heaped 9.0 m³..... 11.8 yd³
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"
Angle43°



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 in³
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°

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

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