



EJECTOR TRUCK

**MODEL
ET-24**

11.8 yd³ – 9.0 m³ capacity • 24 ton – 22 metric tonne payload



The DUX MODEL ET-24, 24 short ton (22 metric tonne) capacity compact profile articulated four-wheel drive ejector truck is designed for the transport of ore, waste rock and back-fill on level and steep ramps in areas with extremely low headings.

FEATURES

- High power to weight ratio assures fast tramming up steep ramps
- Field proven Dana SOH powertrain
- Fail-safe spring applied hydraulically released four-wheel POSI-STOP brake system for long service life.
- Large sized, heavy-duty oscillation roller bearing for minimum maintenance, a smooth ride and four-wheel ground contact on uneven terrain.
- Frames designed and built to withstand high impact and torsional stress associated with mining or tunneling, even in sub-zero temperatures, covered by five-year warranty.
- 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 two fully protected, double acting telescopic hydraulic cylinders and a hydraulically operated swing down automatic tailgate.
- Centralized service points and modular design allow for easy service access and fast component exchange
- Excellent service and parts back-up worldwide

OVERALL DIMENSIONS

| | | |
|---|--------|----------|
| Length..... | 30'-8" | 9 350 mm |
| Width | 7'-3" | 2 210 mm |
| Height over ejector box sides..... | 7'-6" | 2 285 mm |
| Height over operator's FOPS/ROPS cab .. | 7'-11" | 2 415 mm |

TURNING RADIUS @ 43° TURNING ANGLE

| | | |
|---------------|---------|----------|
| Inside | 13'-11" | 4 240 mm |
| Outside | 24'-0" | 7 315 mm |

EJECTOR BOX VOLUME*

| | | |
|------------------|----------------------|--------------------|
| SAE struck | 9.6 yd ³ | 7.3 m ³ |
| Semi-heaped..... | 10.7 yd ³ | 8.2 m ³ |
| SAE heaped..... | 11.8 yd ³ | 9.0 m ³ |

**Other box sizes available on request*

WEIGHTS

| | | |
|------------------------------|-------------|-----------|
| Payload..... | 48,000 lbs | 21 773 kg |
| Machine weight, approx. | 53,000 lbs | 24 041 kg |
| GVW | 101,000 lbs | 45 814 kg |



DUX Model ET-24 Ejector Truck

TECHNICAL SPECIFICATIONS*

Engine

Make.....Detroit Diesel
Model.....Series 60, 14L DDEC with Electronic Control
Management System

Max. MSHA power setting...550 HP (410 kW) @ 2100 RPM

Depending on application

Max. derated power setting...400 HP (298 kW) @ 2100 RPM

Min. derated power setting...325 HP (242 kW) @ 2100 RPM

Cylinders6 in line

AspirationTurbocharged, after-cooled

Displacement.....854 in³..... 14 L

Starter24-volt

Air intake cleanerDonaldson 2-stage dry type with service gauge

Exhaust systemCatalytic purifier with silencer

CoolingLarge-sized integrated water radiator, charge air
cooler and air over oil transmission cooling package

Meets EPA Tier 3, Euro Stage IIIA

Torque Converter

Make.....Dana SOH

Model.....CL8000 series, single stage with automatic lock-up
and flex plate drive

Transmission

Make.....Dana SOH

Model.....6000 series with electric gear shift

Speeds4 in forward and in reverse

Axles

Make.....Dana SOH

Model.....19D2748 with high traction differential and
POSI-STOP brakes on all 4 wheel ends

Tires

– Bridgestone 18.00 R-25, radial mining tires

Brakes

Service4-wheel POSI-STOP totally enclosed multi-disc,
liquid cooled, spring applied hydraulically released
with its own independent circulating cooling
system and accumulator back-up

Emergency/parkingSame as service (4-wheel POSI-STOP)

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 with 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, four-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 Box

– Extra heavy-duty with solid tubular front, bottom and side frames, reinforced
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 hydraulic cylinders (2) and tailgate hydraulic cylinders (2) are
corrosion resistant nitrided for long life and trouble free service

Operator's Compartment

– Side seated for maximum visibility and bi-directional operation
– Proven DUX heavy-duty fully adjustable air ride suspension seat with two
shock absorbers, oversized air bladder tested at 120 PSI (8.3 Bar), arm
rests and retractable seat belt for a 350 lb (159 kg) operator

– Shock mounted compartment floor for maximum comfort and safety
– 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 gear-type tandem pump
– 125 mesh suction filter
– 10 micron inline high pressure filter with service gauge
– $\frac{3}{4}$ in. inside diameter and over high pressure hoses that are four-spiral braid
and have crimped hose end swivel fittings

Tank Capacities

Fuel..... 100 US gallons 379 L

Hydraulic oil..... 90 US gallons 340 L

Brake cooling oil..... 30 US gallons 114 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 (2), rear (2), and all-directional (1) halogen high-intensity lights
– Heavy-duty batteries (2), 1000 CCA per battery
– Signal horn
– Audible, adjustable back-up alarm

Standard Features

– Detroit Diesel Series 60, 14 L DDEC engine with Electronic Control
Management System and Electronic Display Monitor (PRAN)
– Proven heavy-duty Dana /SOH Clark-Hurth powertrain and 4-wheel
POSI-STOP brakes with ABA (Automatic Brake Applicator)
– Automatic lock-up
– Neutral engine start protection
– DUX long-life, maintenance friendly ejector box, c/w tailgate, clean discharge –
Centralized manual lubrication mid-ship
– 20 lb (9 kg) hand held fire extinguisher
– Flexible rock-guard over articulation
– Wheel chucks (2) with storage brackets (2)
– Articulation safety bar
– High intensity halogen working lights
– External oil drains for engine and transmission
– Non slip service surfaces
– Automatic engine shut-off at low oil pressure and high temperature
– Hourmeter, converter and brake pressure gauges, as well as all necessary
pressure gauges not covered by DDEC,
– Triangular rear reflectors (2)
– Parts/Operator/Maintenance manuals (3 sets) + CD in PDF format
– Compliant with MSHA, CANMET and CE regulation

Options

– Cummins electronic engine meets EPA Tier 3 and Euro Stage IIIA
– Automatic gear shift
– FOPS/ROPS canopy or alternatively, fully equipped FOPS/ROPS cab
– Intec video system: camera and monitor (colour)
– Fire suppression system
– Jacobs engine brake and cowl muffler or alternatively, Telma electro-magnetic
retarder
– Thermostat controlled viscous fan
– Cold weather starting aid, heaters for engine/transmission/hydraulic oil tanks
and battery heat blanket
– Automatic lubrication system
– Loadman weighing system
– Programmable automatic electric gear shift control
– Electronic parts manual (LinkOne or CatBase)
– Rear end dump or teledump box
– OTHER OPTIONS ON REQUEST

* Specifications subject to change without notice.



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