



HIGH SPEED LOW PROFILE TELEDUMPER

MODEL TD-24

16.0 yd³ – 12.2 m³ capacity • 26.5 ton – 24.0 metric tonne payload



FEATURES

- Brings high capacity hauling capabilities to steep ramps and areas previously limited to scoop loaders
- Effectively loading and dumping in very low headings
- Patented telescopic dump body retains slurry without leakage between sealed body sections — excellent load retention on steep grades guaranteed
- Four-wheel drive articulated frame steering
- Over 5 MPH (8 km/h) tramping speed up 15% ramps with full payload — highest power to weight ratio in its class
- Reduced fuel consumption and ventilation requirements with electronically controlled engine
- Equipped with four-wheel POSI-STOP braking system for maximum safety, reliability and low maintenance cost
- Easy service access and fast component exchange with centralized service points and modular design
- Excellent service and parts back-up worldwide

WEIGHTS

Payload	26.5 tons	24.0 tonnes
Machine weight, approx.	26.5 tons	24.0 tonnes
GVW.....	53.0 tons	48.0 tonnes

SAE TELEDUMP BODY VOLUME*

Struck.....	13.5 yd ³	10.3 m ³
Heaped.....	16.0 yd ³	12.2 m ³

*Other box sizes available on request

DISCHARGING

Height at max. teledumping angle	10'-9"	3 300 mm
Approximate time.....		18 seconds

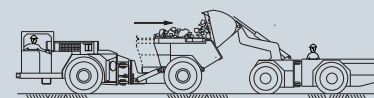
OVERALL DIMENSIONS

Length	31'-10"	9 700 mm
Width.....	7'-6"	2 285 mm
Height over teledump body sides	8'-3"	2 515 mm

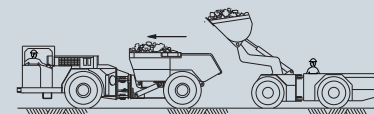
TURNING RADIUS @ 43° TURNING ANGLE

Inside	14'-4"	4 370 mm
Outside	24'-8"	7 520 mm

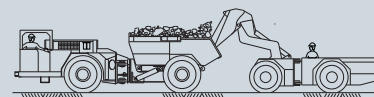
OPERATING CYCLE



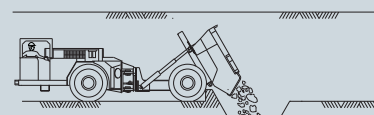
REAR LOADING BY SMALL SCOOP TO FILL RETRACTED FRONT



TELESCOPIC ACTION MOVES LOAD AHEAD



COMPLETION OF LOADING FROM THE REAR



TELESCOPIC ACTION ALLOWS FOR DUMPING IN LOW HEADINGS

PATENT PENDING



DUX Model TD-24 High Speed Low Profile Teledumper

TECHNICAL SPECIFICATIONS*

Engine

Make..... Cummins
Model..... QSM 11 with Select Electronic Management System
Power..... 400 HP (298 kW) @ 2100 RPM
Cylinders..... 6
Aspiration..... Turbocharged, liquid and charged air cooled
Displacement..... 660 in³ 10.8 L
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 inter-cooling
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
Speeds..... 4 in forward and reverse
Gear shifter..... 24 V electric

Axles

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

Tires

- Bridgestone 18.00R25, 2 star, 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 (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 hydraulic pilot monostick control
- Double acting steering cylinders (2)

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

Teledump Body

- Extra heavy-duty 2-section design with double acting telescopic dump cylinders (2) and ejector cylinders (2)
- Made from impact wear-resistant alloy steel plates that are reinforced lengthening service life substantially
- Supported on rugged tipping frame, telescopic action is guided by heavy-duty bottom roller bearings (2) that run along hardened tracks and extra heavy-duty adjustable and replaceable slide arrangements (2) on top of teledump body
- Heavy duty automatic tailgate

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 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) with hard chrome plated stems
- Heavy-duty double acting protected ejector cylinders (2) with hard chrome plated stems
- Heavy-duty double acting two-stage fully protected telescopic dump cylinders (2) with hard chrome plated stems
- Heavy-duty PTO driven gear-type pumps driven from torque converter
- 125 mesh suction filter
- 10 micron brake return filter
- 10 micron inline high pressure with service gauge
- $\frac{3}{4}$ in. inside diameter and over hoses that are four-spiral wire braid and have crimped hose end swivel fittings
- Hose bulk-head is located mid-ship

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 sealed stainless steel instrument panel box with sealed multi-stem connectors
- Semi-automatic circuit breakers
- Front (2), rear (2), and all-directional (1) halogen high-intensity light
- Heavy-duty batteries (2), 1000 CCA per battery
- Signal horn and audible, adjustable back-up alarm
- Strobe light

Standard Features

- Cummins QSM 11 electronic engine with PRAN electronic display monitor
- Proven heavy-duty Dana /SOH powertrain and 4-wheel POSI-STOP brakes
- Patented DUX teledump body with automatic tailgate
- Automatic engine shut-off at low oil pressure and high temperature
- Electronic fuel sender with fuel level display on PRAN
- Hourmeter
- All necessary gauges for engine, converter and brake pressure
- Neutral engine start protection
- Centralized manual lubrication mid-ship
- Teledump box and articulation safety bars
- Triangular rear reflectors (2)
- Parts/Operator/Maintenance manuals
- Compliant with MSHA, CANMET and CE regulation

Options

- Certified FOPS/ROPS canopy or fully equipped FOPS/ROPS operator's cab
- Automatic lubrication system
- Fire suppression system
- Intec video system
- Loadman weighing system
- Different telebox sizes, ejector box or end dump box
- 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