



HIGH SPEED LOW PROFILE TELEDUMPER

MODEL TD-33

24.0 yd³ – 18.3 m³ capacity • 36 ton – 32.6 metric tonne payload



FEATURES

- The DUX TD-33 articulated 4-wheel drive underground teledumper is well suited for hauling ore, waste and backfill on level and steep grades
- Effective loading and dumping in headings as low as 12'-0" (3.6 m)
- Evenly distributed 36 ton payload throughout patented telescopic dump body that retains backfill without leakage – excellent load retention on steep grades guaranteed
- Four-wheel drive articulated frame steering
- Over 4 MPH (6.4 km/h) tramping speed up a 17% ramp with full payload. Highest power to weight ratio in its class – fast tramping up steep ramps guaranteed
- Electronically controlled engine reduces fuel consumption and ventilation requirement
- For maximum safety, reliability and low maintenance cost when hauling backfill down the ramp, the DUX TD-33 is equipped with an engine retarder and 4-wheel POSI-STOP braking system
- Centralized service points and modular design allow for easy service access and fast component exchange
- Excellent service and parts back-up worldwide

WEIGHTS

Payload.....	36.0 tons	.....	32.6 tonnes
Machine weight, approx.....	34.0 tons	.....	30.9 tonnes
GVW	70.0 tons	.....	63.5 tonnes

SAE TELEDUMP BODY VOLUME*

Struck	19.4 yd ³	.....	14.8 m ³
Heaped	24.0 yd ³	.....	18.3 m ³

*Other box sizes available on request

DISCHARGING

Height req'd at max. teledumping angle	11'-6"	.....	3 505 mm
Approximate time.....			18 seconds

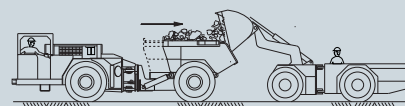
OVERALL DIMENSIONS

Length.....	34'-8"	.....	10 565 mm
Width with optional automatic tail gate.....	9'-3"	.....	2 820 mm
Height over teledump body sides.....	8'-6"	.....	2 590 mm
Height over optional FOPS/ROPS cab	8'-10"	.....	2 695 mm

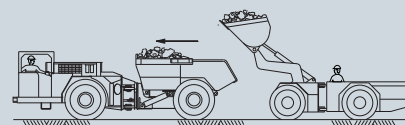
TURNING RADIUS @ 42° TURNING ANGLE

Inside	16'-10"	.....	5 130 mm
Outside	28'-1"	.....	8 560 mm

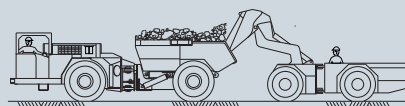
TELEDUMPER OPERATING CYCLE



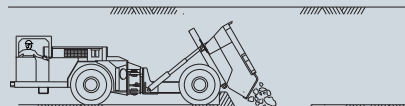
REAR LOADING BY SCOOP TO FILL RETRACTED FRONT



TELESCOPIC ACTION MOVES LOAD AHEAD



COMPLETION OF LOADING FROM THE REAR



TELESCOPIC ACTION ALLOWS FOR DUMPING IN LOW HEADINGS



DUX Model TD-33 High Speed Low Profile Teledumper

TECHNICAL SPECIFICATIONS*

Engine

Make..... Cummins
Model..... QSM 11 with 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
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/reverse

Axles

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

Tires

– Bridgestone 26.5 R 25 multistar, tubeless E-4, VSNT 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 ABA applies brake in case of engine
..... failure or pressure drop in torque converter

Steering

– Articulated frame hydraulic power steering with 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,
prolongs service life substantially
– Supported on rugged tipping frame, telescopic action guided by heavy-duty
bottom roller bearings (2) that run along hardened tracks and extra heavy-
duty adjustable/replaceable slide arrangements (2) on top of teledump box

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 filter 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 located mid-ship

Tank Capacities

Fuel..... 120 US gallons..... 454 L
Hydraulic oil..... 120 US gallons..... 454 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 and audible, adjustable back-up alarm

Standard Features

- Cummins QSM 11 electronic engine comes with PRAN display module
- Proven heavy-duty Dana/SOH powertrain and 4-wheel POSI-STOP brakes
- Patented DUX teledump body
- Automatic engine shut-off at low oil pressure and high temperature
- Hourmeter and all necessary gauges for engine, converter, 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

- FOPS/ROPS canopy or fully equipped FOPS/ROPS operator's cab
- Automatic tailgate
- Automatic lubrication system
- Fire suppression system
- Intec video system
- Loadman weighing system
- OTHER OPTIONS ON REQUEST

* Specifications subject to change without notice.



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