



HIGH SPEED LOW PROFILE TELEDUMPER

MODEL TD-26

19.0 yd³ – 14.5 m³ capacity • 27 ton – 24.5 metric tonne payload



FEATURES

- The DUX TD-26 HIGH SPEED TELEDUMPER brings high capacity hauling capabilities to steep ramps and areas previously limited to scoop loaders
- Effective loading and dumping in headings as low as 11-ft (3.5 m)
- Evenly distributed 27 ton payload throughout patented telescopic dump body that retains back-fill without spillage – excellent load retention on steep grades guaranteed
- Four-wheel drive articulated frame steering
- Over 5 MPH (8 km/h) tramming speed up a 15% ramp with full payload. Highest power to weight ratio in its class – fast tramming up steep ramps guaranteed
- Electronically controlled engine reduces fuel consumption and ventilation requirement
- For maximum safety, reliability and low maintenance cost, the DUX TD-26 is equipped with four-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.....27.0 tons 24.5 tonnes
Machine weight, approx. 26.5 tons 24.0 tonnes
GVW 53.5 tons 48.5 tonnes

SAE TELEDUMP BODY VOLUME*

Struck 15.0 yd³ 11.5 m³
Heaped 19.0 yd³ 14.5 m³

**Other teledump body sizes available on request*

DISCHARGING

Height req'd at max. teledumping angle 11'-0" 3 350 mm
Approximate time 18 seconds

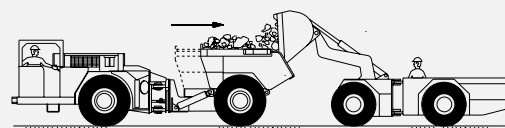
OVERALL DIMENSIONS

Length.....33'-5" 10 185 mm
Width 9'-0" 2 745 mm
Width with optional automatic tail gate 9'-3" 2 820 mm
Height over teledump body sides 7'-8" 2 335 mm

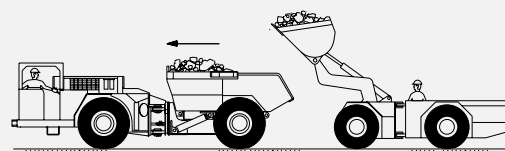
TURNING RADIUS @ 41° TURNING ANGLE

Inside 16'-2" 4 930 mm
Outside 27'-9" 8 460 mm

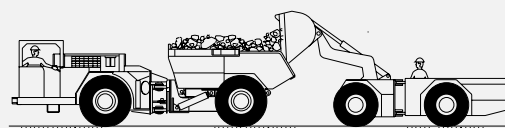
DUX TELEDUMPER OPERATING CYCLE



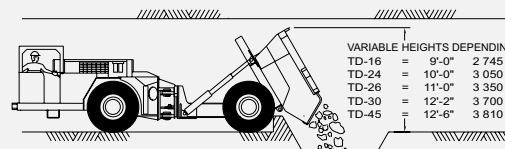
1. REAR LOADING BY SMALL SCOOP OR CONVEYER TO FILL RETRACTED FRONT WITH EASE



2. TELESCOPIC ACTION MOVES LOAD AHEAD



3. COMPLETION OF LOADING FROM THE REAR



4. TELESCOPIC ACTION ALLOWS FOR DUMPING IN LOW HEADINGS

VARIABLE HEIGHTS DEPENDING ON MODEL
TD-16 = 9'-0" 2 745 mm
TD-24 = 10'-0" 3 050 mm
TD-26 = 11'-0" 3 350 mm
TD-30 = 12'-2" 3 700 mm
TD-45 = 12'-6" 3 810 mm

PATENT NO. 969583

DUX Model TD-26 High Speed Low Profile Teledumper

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

Speeds4 in forward and reverse

Axles

Make.....Dana /SOH

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

Tires

- 18.00-25, 28 ply tubeless mining tires (radial optional)

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 (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 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

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.....132 US gallons 500 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 light
- Heavy-duty batteries (2)
- Signal horn
- Audible, adjustable back-up alarm

Standard Features

- Detroit Diesel Series 60, 14 L DDEC engine
- 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
- 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

- Cummins QSM11 electronic engine derated power set at 375 HP (280 kW) @ 2100 RPM meets EPA Tier 3, Euro Stage IIIA requirement
- FOPS/ROPS canopy
- Alternatively, 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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