



# HIGH SPEED LOW PROFILE TELEDUMPER

## MODEL TD-26

19.0 yd<sup>3</sup> – 14.5 m<sup>3</sup> 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) tramping speed up a 15% 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, 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 yd<sup>3</sup> ..... 11.5 m<sup>3</sup>  
 Heaped ..... 19.0 yd<sup>3</sup> ..... 14.5 m<sup>3</sup>

\*Other teledump body sizes available on request

### DISCHARGING

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

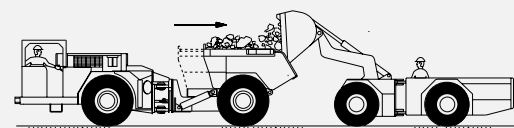
### OVERALL DIMENSIONS

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

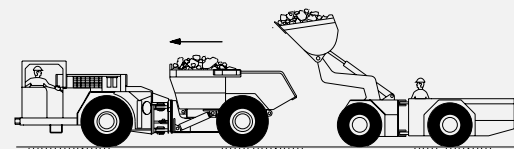
### TURNING RADIUS @ 41° TURNING ANGLE

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

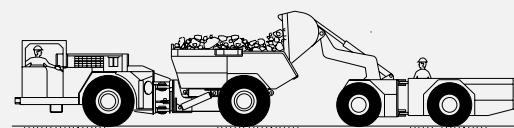
### DUX TELEDUMPER OPERATING CYCLE



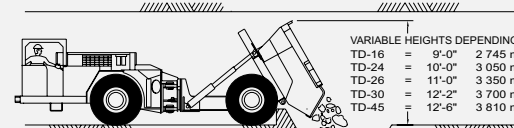
1. REAR LOADING BY SMALL SCOOP OR CONVEYER TO FILL RETRACTED FRONT WITH EASE



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  
Cylinders .....6 in line  
Aspiration .....Turbocharged, after-cooled  
Displacement.....854 in<sup>3</sup>..... 14 L  
Starter .....24-volt  
Air intake cleaner .....Donaldson 2-stage dry type with service gauge  
Exhaust system .....Catalytic purifier with silencer  
Cooling .....Large-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  
Speeds .....4 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

Service .....4-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/parking .....Same 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  $20^\circ$   
- 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.



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

Printed in Canada

Courtesy of Crane.Market