



LOW PROFILE TELEDUMPER

MODEL TD-18

18.8 metric tonne · 20.7 short ton payload — 8.8 m³ · 11.5 yd³ capacity



FEATURES

- Field-proven, articulated underground 4-wheel drive DUX TD-18 Teledumper brings high capacity hauling to areas previously limited to scoop loaders with effective loading and dumping in headings as low as 3 000 mm (9' 10")
- Measuring only 2 235 mm (7'-4") wide the DUX TD-18 Teledumper is easy to maneuver in confined areas and very well suited for narrow vein mining
- Patented telescopic dump box with sealed sections retains load without leakage and distributes payload evenly — excellent load retention on steep grades guaranteed
- Electronically controlled engine reduces fuel consumption and ventilation requirement
- Equipped with 4-wheel POSI-STOP brake system for maximum safety, reliability and low maintenance cost
- Centralized service points and modular design for easy service access and fast component exchange
- Excellent service and parts back-up worldwide

WEIGHTS

Payload 18.8 tonne.....20.7 ton
 Machine weight, approx.....17.7 tonne.....19.5 ton
 GVW 36.5 tonne..... 40.2 ton

SAE VOLUME

Struck 7.5 m³.....9.8 yd³
 Heaped 8.8 m³..... 11.5 yd³
Custom box size to suit different ore weight available.

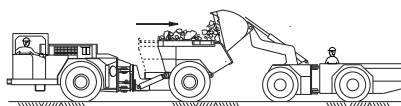
OVERALL DIMENSIONS

Length.....8 435 mm.....27' 8"
 Width..... 2 235 mm.....7' 4"
 Height over box sides..... 2 285 mm.....7' 6"
 Height over FOPS/ROPS cab..... 2 540 mm.....8' 4"

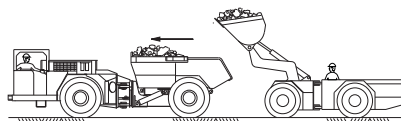
TURNING RADIUS @ 45°

Inside.....3 660 mm..... 12' 0"
 Outside..... 6 325 mm.....20' 9"

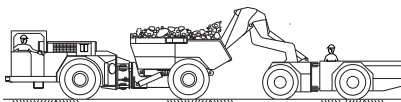
TD-18 OPERATING CYCLE



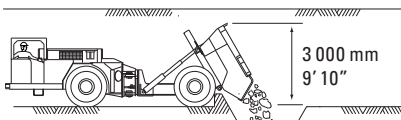
REAR LOADING BY SMALL SCOOP TO FILL RETRACTED FRONT



TELESCOPIC ACTION MOVES LOAD AHEAD



COMPLETION OF LOADING FROM THE REAR



TELESCOPIC ACTION ALLOWS FOR DUMPING IN LOW HEADINGS

FIGURE NO. 90683



DUX Model TD-18 Low Profile Teledumper

TECHNICAL SPECIFICATIONS*

Engine

Make and model Cummins QSB 6.7 with Electronic
..... Management System
Derated power 164 kW (220 HP) @ 2300 RPM
Cylinders 6
Aspiration Turbocharged, after-cooled
Displacement 6.7 L 408 in³
Starter 24-volt
Air intake cleaner Donaldson 2-stage dry type with service gauge
Exhaust system Catalytic purifier with integrated silencer and
..... Firwin fire jacket
Cooling Liquid
Emission standard Meets EPA Tier 3, Euro Stage IIIA

Transmission with Integrated Torque Converter

Make and model Dana SOH HR32000 series, single stage integrated
..... torque converter with flex plate drive
Speeds 4 in forward and in reverse

Axles

Make and model Dana SOH 16D 2149 with high traction differential
..... and POSI STOP brakes on all 4 wheel ends

Tires

– Bridgestone 16.00R25, 2*, VRLS tubeless, radial

Brakes

Service and 4-wheel POSI-STOP totally enclosed multi-disc,
emergency/parking liquid cooled, Spring Applied Hydraulically
..... Released (SAHR) with accumulator back-up
Automatic Brake Applies brake in case of engine failure or pressure
Applicator (ABA) drop in torque converter

Steering

– Articulated frame hydraulic power steering with pilot monostick control
– Double acting steering cylinders (2)
– $\pm 45^\circ$ steering angle each way for a total of 90°

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, 4-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 two-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 box

Operator Compartment

– Side seated for maximum visibility and bidirectional operation
– Heavy-duty adjustable air suspension seat with arm rests and
retractable seat belt
– Shock mounted compartment floor for maximum comfort
– All controls and gauges located within easy reach and view of operator

Hydraulic System

– Hydraulic pilot stick steering control
– Heavy-duty double acting protected steering 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 ejector cylinders (2)
– Heavy-duty PTO driven gear-type pumps driven from torque converter
– Suction filter
– Inline high pressure filter with service gauge
– $\frac{3}{4}$ " inside diameter and over pressure hoses that are four-spiral wire
braid and have crimped hose end swivel fittings

Tank Capacities

Fuel 227 L 60 US gallons
Hydraulic oil 212 L 56 US gallons
Brake cooling oil 95 L 25 US gallons

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 multi-stem connectors
– Semi-automatic circuit breakers
– Front (2), rear (2), and all-directional (1) LED high-intensity lights
– Heavy-duty batteries (2)
– Signal horn and audible, adjustable back-up alarm

Standard Features

Cummins QSB 6.7, EPA Tier 3, Euro Stage IIIA electronic engine • PRAN
display monitor includes digital fuel gauge • Automatic engine shut-off at
low oil pressure and high temperature • Hourmeter • All necessary gauges
for engine, converter and brake pressure • Wheel chocks (2) with storage
brackets (2) • 9 kg (20 lb) hand held fire extinguisher • 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

Different engine • Certified FOPS/ROPS canopy • Fully equipped
certified FOPS/ROPS noise suppression cab • Cab suspension system
• Automatic tailgate • Automatic lubrication system • Fire suppression
system • Intec video system • Spare rim assembly • OTHER OPTIONS ON
REQUEST



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