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 FULL RETRACTED FRONT

TElescopic ACTION MOVES LOAD AHEAD

COMPLETION OF LOADING FROM THE REAR

TElescopic ACTION ALLOWS FOR DUMPING IN LOW HEADINGS
**TECHNICAL SPECIFICATIONS**

**Engine**
- Make and model: Cummins QSB 6.7 with Electronic Management System
- Derated power: 164 kW (220 HP) @ 2300 RPM
- Cylinders: 6
- 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 emergency/parking: liquid cooled, Spring Applied Hydraulically
- 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)
- ±45° steering angle each way for a total of 90°

**Oscillation**
- ±10° 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
- ¾” 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
- Brake cooling oil: 121 L = 56 US gallons
- Brake 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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Manufactured by:

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*Specifications subject to change without notice.*