



LOW PROFILE END DUMP TRUCK

MODEL DT-33N

23.6 yd³ – 18.0 m³ capacity • 36.4 ton – 33 metric tonne payload



FEATURES

- The field-proven, articulated DUX DT-33N underground four-wheel drive dump truck is suited for hauling ore, waste and backfill on level and steep grades
- Excellent load retention and fast tramming up steep ramps guaranteed – highest power to weight ratio in its class
- The DUX DT-33N permits efficient chute, side and end loading in narrow drifts with low headings
- Clean and rapid discharge cycles guaranteed with 65° dumping angle and smooth flow, wear resistant alloy steel dump box
- Electronically controlled engine reduces fuel consumption and ventilation requirement
- For maximum safety, reliability and low maintenance cost, the DUX DT-33N is equipped with four-wheel POSI-STOP brake system
- Centralized service points and modular design allow for easy service access and fast component exchange
- Excellent service and parts back-up worldwide

OVERALL DIMENSIONS

Length.....	33'-5"	10 185 mm
Width	9'-0"	2 745 mm
Height over dump body sides.....	variable	
Height over FOPS canopy.....	8'-10"	2 695 mm

SAE HEAPED DUMP BODY CAPACITIES

			Weight of ore (material)
25.7 yd ³	19.6 m ³	2830 lbs/yd ³	1680 kg/m ³
23.0 yd ³	17.6 m ³	3160 lbs/yd ³	1875 kg/m ³
19.5 yd ³	14.9 m ³	3710 lbs/yd ³	2200 kg/m ³
16.6 yd ³	12.7 m ³	4380 lbs/yd ³	2600 kg/m ³

**Other end dump body sizes, teledump & ejector bodies available*

DISCHARGING

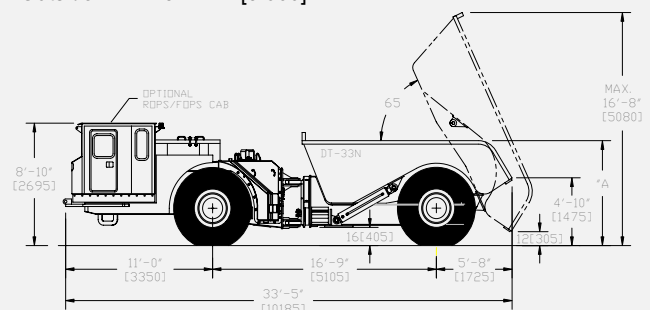
Height req'd at max. dumping angle	16'-8"	5 080 mm
Maximum dumping angle	65°	
Fast dump body raising and lowering cycles reduces time spent in the dump area		

WEIGHTS

Payload.....	36.4 tons	33.0 tonnes
Machine weight, approx.	30.0 tons	27.2 tonnes
GVW	66.4 tons	60.2 tonnes

TURNING RADIUS AT 42°

Inside	16'-6"	[5 030]
Outside	28'-1"	[8 560]



DUX Model DT-33N Low Profile End Dump Truck

TECHNICAL SPECIFICATIONS*

Engine Make Detroit Diesel Model Series 60, 14 L DDEC III with Electronic Control Management System and Electronic Display Module (EDM) Power 400 HP (298 kW) @ 2100 RPM Cylinders 6 Aspiration Turbocharged, after-cooled Displacement 854 in ³ 14 L Starter 24-volt Air intake cleaner Donaldson 2-stage dry type with service gauge Exhaust system Catalytic purifier with integrated silencer Cooling Large-sized integrated water radiator, charge air cooler, fuel cooler and transmission oil cooler package, 130° F (54° C) Meets EPA Tier 3, Euro Stage IIIA	Operator's Compartment <ul style="list-style-type: none">– Side seated for maximum visibility and bi-directional operation– Heavy-duty adjustable 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 <ul style="list-style-type: none">– 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 PTO driven gear-type pumps driven from torque converter– 125 mesh suction filter– 10 micron inline high pressure with service gauge– ¾ 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 160 US. gallons 605 L Hydraulic oil 90 US. gallons 340 L Brake cooling oil 40 US gallons 150 L
Torque Converter Make Dana /SOH Clark-Hurth Model CL8000 series, single stage, with automatic lock- up and flex plate drive	Electrical System <ul style="list-style-type: none">– 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 (4), rear (2), and all-directional (1) halogen high-intensity light– Heavy-duty batteries (2)– Signal horn– Audible, adjustable back-up alarm Standard Features <ul style="list-style-type: none">– Detroit Diesel Series 60, 14 L DDEC engine with Electronic Control Management System and Electronic Display Module (EDM)– Proven heavy-duty Dana /SOH Clark-Hurth powertrain and 4-wheel POSI-STOP brakes– Automatic converter lock-up– 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 manifold mid-ship– Dump box and articulation safety bars– Triangular rear reflectors (2)– Parts/Operator/Maintenance Manuals– Compliant with MSHA, CANMET and CE regulation Options <ul style="list-style-type: none">– Jacobs engine brake interconnected with Detroit DDEC engine– FOPS/ROPS canopy, alternatively, fully equipped FOPS/ROPS operator's cab– Automatic tailgate– Automatic lubrication system– Fire suppression system– Intec video system– Teledump or ejector body– OTHER OPTIONS ON REQUEST
Transmission Make Dana /SOH Clark-Hurth Model 6000 series Speeds 4 in forward and in reverse Gear shifter 24 Volt electric	
Axles Make Dana /SOH Clark-Hurth Model 21D with high traction differential and POSI STOP brakes on all 4 wheel ends	
Tires <ul style="list-style-type: none">– Bridgestone 26.5R25 multi-star, L-4 VSNT radial	
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 and its own independent PTO low pressure circulating pump and brake cooling tank Emergency/parking Same as service (POSI-STOP) Automatic brake (ABA) Applies secondary brake in case of engine failure or pressure drop in torque converter	
Steering <ul style="list-style-type: none">– Articulated frame hydraulic power steering with monostick control– Double acting steering cylinders (2)– ± 42° steering angle each way for a total of 84°	
Oscillation <ul style="list-style-type: none">– ±10° 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 <ul style="list-style-type: none">– 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	
Dump Body <ul style="list-style-type: none">– Made from reinforced impact, wear resistant alloy steel plates, substantially prolonging service life	

* Specifications subject to change without notice.



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