



DUX MACHINERY CORPORATION
underground mining and construction equipment worldwide

Русский

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DSL6 Features

- The DUX DSL6 is designed to meet the specific requirements of today's mining and construction projects. Special care has been taken in regards to maximum mechanical machine availability, modular components exchange, serviceability and superior continuous productivity at the lowest cost per ton.
- The DSL6 is well suited for underground mine development, loading trucks, hauling muck and backfilling at high production cycles.
- Maintenance friendly Detroit Diesel engine with DDEC electronic management system reduces fuel consumption and ventilation requirement.
- For maximum safety, reliability and low maintenance costs, the DUX DSL6 is equipped with four-wheel POSI-STOP brake system.
- Articulated steering increases maneuverability in confined areas.
- Large operator's compartment with shock mounted floor for comfort and safety. Operator side seated for optimum visibility and bi-directional tramming, all controls located within easy view and reach.
- Easy access to all service points.
- Excellent service and parts back-up worldwide.

DSL6 Technical Specifications

Weights	Volume	Discharging	Dimensions
Turning Radius	Engine	Converter	Transmission
Axles	Tires	Brakes	Steering
Oscillation	Frames & Brgs	Bucket	Hydraulics
Tanks	Electrical	Options	Speeds
Weights			
Machine weight, approx.		27.0 tons	24.5 tonnes
SAE Bucket Volume*			
Struck		5.2yd ³	4.0 m ³
Heaped		6.0 yd ³	4.6 m ³
*Other bucket sizes available to suit specific weight of material to be loaded.			
Overall Dimensions			
Length		30'-6"	9 300 mm
Width		8'-8"	2 640 mm
Height over optional strong back canopy		8'-1"	2 465 mm
Turning Radius			
Inside		11'-4"	3 450 mm
Outside		22'-6"	6 860 mm

Angle of turning radius 40 degrees

Engine

Make Detroit Diesel
 Model Series 50 DDEC with Electronic Control Management System
 Power 250 HP (186 kW) @ 2100 rpm
 Number of Cylinders Inline, 4
 Aspiration Turbocharged, after cooled
 Displacement 518 in³ (8.5 L)
 Starter 24 volt electric
 Air intake cleaner Donaldson two-stage dry-type with service gauge
 Exhaust system Catalytic purifier with integrated silencer
 Cooling Liquid with air intercooling
 MSHA part 7-B vent rate 12 500 CFM (354 m³/min)

Torque Converter

Make Dana SOH
 Model C-8000 series, single stage

Powershift Transmission

Make Dana SOH
 Model 6000 series
 Speeds in forward/reverse 4

Axles

Make Dana SOH
 Model 19D with high traction POSI-TORQ differential on rear and POSI-STOP brakes on all four wheel ends

Tires

- 18.00-25, 28 ply L-5 slick mining tires, (makes and sizes available on request)

Brakes

Service Four-wheel POSI-STOP totally enclosed multi-disc, liquid cooled, spring applied hydraulically released with accumulator back-up and its own independent circulating cooling system
 Emergency/Parking Same as service (POSI-STOP)
 Automatic Brake Applicator Applies secondary brake in case of engine failure or pressure drop in torque converter

Steering

- Articulated frame hydraulic power steering with monostick control
 - $\pm 42^\circ$ steering angle each way for a total of 84°

Oscillation

- $\pm 10^\circ$ center of oscillation for a total of 20°
 - Rear axle, trunnion mounted, self lubricating bushings

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 hours guarantee
 - Large high tensile alloy steel pins located in replaceable anchor bushings

Bucket

- 2" (50 mm) thick 525 Brinell Hardox lip and edges, one piece 425 Brinell Hardox shell for clean discharge
 - Thick wall tube reinforcement

- Pin brackets and vertical reinforcement ribs inserted and welded on both sides of shell

Hydraulic System

cylinders	Double acting hard chrome plated stems		
Steering	One with 6" (152.4 mm) bore		
Boom hoist	Two with 6" (152.4 mm) bore		
Dump	One with 9" (228.6 mm) bore		
pumps	Heavy-duty PTO-driven gear type driven from converter		
Steering	45 gal/min (170 L/min)		
Dump/hoist	80 gal/min (303 L/min)		
Brake cooling	10 gal/min (38 L/min)		
Circulating/brake cooling	5 gal/min (19 L/min)		
filters			
Suction	125 mesh		
Brake cooling return	10 micron		
Inline high pressure	10 micron with service gauge		
hoses	3/4" inside diameter and over, 4-spiral wire braid with crimped hose end swivel fittings, hose bulk-head located mid-ship		

Tank Capacities

Hydraulic oil	125 gallons	473 L
Fuel	100 gallons	379 L
Brake cooling oil	30 gallons	114 L

Electrical System

- 24 volt system
- 75 amp alternator with integrated sealed voltage regulator
- Main electric cut off switch
- Heat resistant, sealed electric wire harness
- Sealed junction box and instrument panel box with multi-pole Amphenol connectors
- Semi-automatic circuit breakers
- Six front, four rear and one all-directional halogen high-intensity lights, shock mounted, with necessary switches
- Two heavy-duty batteries
- Signal horn and audible, adjustable back-up alarm

Options

- Deutz or Caterpillar engine
- Automatic lubrication system
- Fast fill system
- Fire suppression system
- FOPS/ROPS canopy with vertical strong back protection
- Totally enclosed fully equipped operator safety cab with noise insulation
- Ejector bucket with hydraulic controls
- RRC interface with electronic shifter
- Radio kit with transmitter, batteries and charger, antennae
- Central hydraulic pressure test kit
- Load measuring device
- Back-up camera with display monitor
- For more information on this product, other options or custom-built equipment; please **contact us** or submit appropriate **questionnaire** form

Specifications subject to change without notice.

Travel Speeds and Tractive Effort*

	1 st Gear	2 nd Gear	3 rd Gear	4 rd Gear
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Travel speeds:

mph	3.4	6.0	10.0	17.3
km/h	5.4	9.7	16.0	27.8

Tractive effort/rimpull:

lb	53,887	29,432	16,907	9,229
kg	24 443	13 350	7 669	4 186

* Speeds in forward and reverse with 3 % rolling resistance on level ground with load.
Performance will vary depending on optional engine fitted. Gradeability charts supplied on request.



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© 2005 DUX Machinery Corp, 615 Lavoisier, Repentigny QC, Canada J6A 7N2
Phone +1 450 581 8341 • Fax +1 450 581 5138