



COMPACT LOW PROFILE REMIX TRUCK

MODEL S1-REMIX

4.5 m³ · 5.9 yd³ concrete carry capacity



FEATURES

- The ruggedly built S1-REMIX truck is especially designed for the underground transport of wet shotcrete/concrete
- With a tramming height of only 2.24 m (7' 4"), the 1.83 m (6' 0") wide DUX S1-Series articulated 4-wheel drive carrier is easy to maneuver in confined areas and very well suited for narrow vein mining
- Supported on a heavy-duty frame, the S1-REMIX drum rotates 0-16 RPM in both directions
- Optional drum lifting cylinders are available for adjusting the wet shotcrete/concrete discharge height as required
- Centralized service points and modular design for easy service access and fast component exchange
- Excellent service and parts back-up worldwide

WEIGHTS

Payload 10.7 tonne..... 11.8 ton
Machine weight, approx..... 10.9 tonne..... 12.0 ton
GVW 21.6 tonne..... 23.8 ton

VOLUME

Concrete carry capacity..... 4.5 m³.....5.9 yd³
Water carry capacity (100% fill)..... 5.5 m³..... 7.2 yd³

OVERALL DIMENSIONS

Length..... 8 410 mm.....27' 7"
Width..... 1 830 mm.....6' 0"
Tramming height 2 235 mm..... 7' 4"

TURNING RADIUS

Inside..... 3 505 mm..... 11' 6"
Outside..... 6 175 mm..... 20' 3"
Angle 45°

DISCHARGING

Without optional drum lifting cylinders:

Concrete discharging height..... 1 170 mm..... 3' 10"
Drift height req'd 2 235 mm..... 7' 4"

With optional drum lifting cylinders:

Adjustable up to 1 525 mm..... 5' 0"
Drift height req'd at 1 525 mm (5') 2 590 mm 8' 6"



DUX S1-REMIX shown with optional drum lifting cylinders for adjusting the concrete discharge height as required.

DUX Model S1-Remix Compact Profile Remix Truck

TECHNICAL SPECIFICATIONS*

Engine

Make and model Cummins QSB4.5 electronic
Derated power 110 kW (148 HP) @ 2300 RPM
Cylinders 4
Aspiration Turbocharged and charge air cooled
Displacement 4.5 L 275 in³
Starter 24-volt
Air intake cleaner Donaldson 2-stage dry type with service gauge
Exhaust system Catalytic purifier with integrated silencer
Cooling Liquid
Emission standard Meets EPA Tier 3, Euro Stage IIIA

Transmission with Integrated Torque Converter

Make and model Dana SOH HR24000 series with integrated
..... torque converter and flex plate drive
Speeds 3 in forward and reverse

Axles

Make and model Dana SOH 113 planetary type with totally enclosed
..... internal wet multi-disc brakes for each wheel

Tires

– Bridgestone 12.00-24, 20 ply, L-3 RL TT

Brakes

Service 4-wheel power internal wet multi-disc brakes, dual
..... hydraulic power control with accumulator back-up
Emergency/parking Fail safe back-up spring applied hydraulically
..... released (SAHR) internal wet multi-disc brakes
Automatic Brake Applies brake in case of engine failure or pressure
Applicator (ABA) drop in torque converter

Steering

– Articulated frame hydraulic power steering
– Orbitrol valve-type with steering wheel and cushion valve
– 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

Remix Drum Module

– 4.5 m³ Shotcrete or concrete volume capacity
– 5.5 m³ Drum volume (100% fill)
– Gear box with piston motor drive
– Heavy duty support bearing and roller bearings (2) rear

Operator Compartment

– Side seated for maximum visibility and bi-directional operation
– Heavy-duty adjustable suspension seat with arm rests and seat belt
– Co-driver 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

– Heavy-duty double acting protected steering cylinders (2) with hard chrome plated stems
– 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 hoses that are four-spiral wire braid and have crimped hose end swivel fittings
– Hose bulk-head located mid-ship

Tank Capacities

Fuel 170 L 45 US gallons
Hydraulic oil 170 L 45 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 stainless steel instrument panel box with multi-stem connectors
– Semi-automatic circuit breakers
– Front (4), rear (4), and all-directional (1) LED high-intensity lights
– Heavy-duty batteries (2)
– Signal horn and audible, adjustable back-up alarm

Standard Features

Cummins QSB4.5, 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 • Articulation safety bars • Parts/Operator/Maintenance manuals • Compliant with MSHA, CANMET and CE regulation

Options

Different engine • Diesel particulate filter • Certified FOPS/ROPS canopy • Fully equipped certified FOPS/ROPS noise suppression cab • Automatic lubrication system • Fire suppression system • Video system • Spare rim assembly • Cold weather package • Drum lifting cylinders • Hydraulic motor driven high pressure water pump • OTHER OPTIONS ON REQUEST



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