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 2235 mm (7’ 4”), the 1.83 m (6’) 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 ................................ 8410 mm .......... 27’ 7”
Width ................................ 1830 mm .......... 6’ 0”
Tramming height .................. 2235 mm .......... 7’ 4”

TURNING RADIUS

Inside .................................. 3505 mm .......... 11’ 6”
Outside .................................. 6175 mm .......... 20’ 3”
Angle ................................... 45°

DISCHARGING

Without optional drum lifting cylinders:
Concrete discharging height ........ 1170 mm .......... 3’ 10”
Drift height req’d .................... 2235 mm .......... 7’ 4”

With optional drum lifting cylinders:
Adjustable up to .................... 1525 mm .......... 5’ 0”
Drift height req’d at 1525 mm (5’) 2590 mm .......... 8’ 6”

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

Printed in Canada
### Engine
- **Make and model:** Cummins QSB 4.5 with Electronic Management System
- **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 in reverse

### Axles
- **Make and model:** Dana SOH 176 planetary with internal multiple wet-type 4-wheel disc brakes

### Tires
- **Make:** Bridgestone 12.00-24, 20 ply, RL, L-3 TT

### Brakes
- **Service:** 4-wheel power multi-internal wet disc, dual hydraulic power control with accumulator back-up
- **Emergency/parking:** Fail-safe back-up Spring Applied Hydraulic
- **Automatic Brake:** Applies brake in case of engine failure or drop in Applicator (ABA) transmission clutch and/or brake accumulator pressure

### Steering
- Articulated frame hydraulic power steering
- Pilot stick steering and cushion valve
- 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 5 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 bidirectional operation
- Heavy-duty adjustable suspension seat with arm rests and retractable seat belt
- Shock mounted compartment floor for maximum comfort
- All controls and gauges are 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 piston-type pumps driven from converter
- Suction filter
- Inline high pressure filter with service gauge
- ¾” 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
- 70 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
- Audible, adjustable back-up alarm

### Standard Features
- Cummins QSB 4.5, 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 not covered by PRAN electronic display module
- Neutral engine start protection
- Centralized manual lubrication manifold mid-ship
- Triangular rear reflectors (2) • 9kg (20 lb) hand-held fire extinguisher
- 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 • Spare rim assembly • Hydraulic motor driven high pressure water pump • OTHER OPTIONS ON REQUEST

Manufactured by:
**DUX MACHINERY CORPORATION**
615 Lavoisier, Repentigny Quebec, Canada J6A 7N2
+1 450.581.8341 tel +1 450.581.5138 fax www.duxmachinery.com

*Specifications subject to change without notice.*