

TR521 TIER 4i (Stage IIIB)

TROMMEL SCREEN



ACCELERATE PROCESSING. A tall, wide throat opening allows material to move smoothly through the machine.



HIGH PRODUCTION. The tensioned screens around the drum add rigidity, allowing use of smaller-gauge wire — helping increase production capacity and enable processing of wetter material.



MINIMAL CLEANUP. Flashing and sheeting fit tightly against the drum to help reduce spillage.



CONVENIENT LOADING. Large, low feed hoppers are easy to load without the need for loading ramps.



SERVICEABILITY. Removable side panels make drum removal efficient and provide convenient access for maintenance and cleaning.



QUALITY OUTPUT. Designed specifically to process topsoil with high moisture content while maintaining a consistent, quality output — up to 150 cu yd (114.7 m³) of material per hour.

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GENERAL DIMENSIONS

Max transport length: 46.5' (14.2 m)

Max transport width: 102" (259.1 cm)

Max transport height: 13.1' (4 m)

Max operational length: 86' (26.2 m)

Max operational width: 102" (259.1 cm)

Max operational height: 15.9' (4.8 m)

Weight: 39,700 lb (18,007.6 kg)

Capacity: 150 cu yd (114.7 m³) per hr with .5" (12.7 mm) screens installed and material with moisture less than 40%

ENGINE

Model: Cummins B3.3L Tier 4i (Stage IIIB)

Engine rating: 110 hp (82 kW) with a max torque of 277-306 ft-lb (371-415 Nm)

Fuel tank capacity: 80 gal (302.8 L)

HOPPER AND APRON CONVEYOR

Hopper capacity: 5 cu yd (3.8 m³)

Hopper height: 9.5' (2.9 m) from ground level at operating incline

Hopper opening: 13.2' x 5' (4 m x 1.5 m)

Apron conveyor rollers: 6" (15.2 cm) diameter, 13 qty

SCREEN DRUM

Drum diameter: 5' (1.5 m)

Max screen panels: 6

FINES CONVEYOR

Conveyor belt width: 36" (91.4 cm)

Conveyor belt type: 220 lb (99.8 kg), 2-ply, 3/16" x 1/16" (4.8 mm x 1.6 mm)

Conveyor belt stacking height: 14.5' (4.4 m) with drum at 4°

OVERS CONVEYOR

Max variable overs belt speed: 290 fpm (88.4 m/min)

Conveyor belt size: 36" (91.4 cm) wide with raised crescent

Conveyor belt type: 220 lb (99.8 kg), 2-ply, 3/16" x 1/16" (4.8 mm x 1.6 mm)

Conveyor belt stacking height: 3' x 10' (.9 m x 3 m)

NOTES:

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