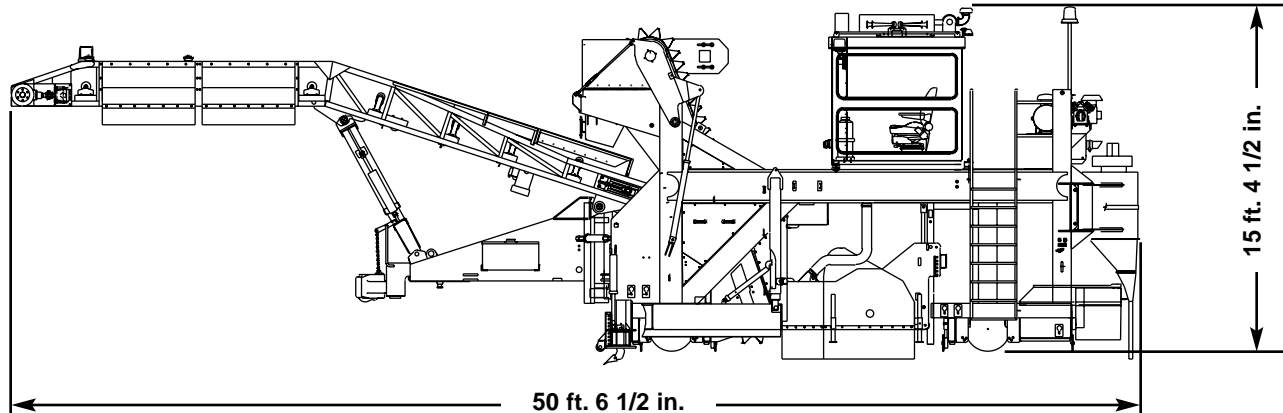


# Yard Cleaner 29-4



- Cleans track and Intertrack areas including switches.
- Will load air dumps, hoppers, and gondolas with a side height up to 12 feet from top of rail.
- Discharge conveyor swings to either side allowing material to be wasted.
- Optionable dust control unit reduces air-borne dust and material significantly.
- Side mounted plows grade the intertrack area and plow the material toward each rail for broom loading.
- Scarifiers mounted at the front scarify compacted material in both track and intertrack areas.
- Capable of loading more than two cubic yards of material per minute.
- Operator's cab is totally enclosed with ergonomic. Optional air conditioning, heater, and pressurization add to total operator comfort.
- Easy to operate. Minimum of operator training required. Self explanatory controls and full instrumentation reassure new operators.
- Easy to maintain. All major components are easily accessible for quick and easy preventative maintenance.

# Yard Cleaner 29-4



**Description:** The Yard Cleaner is a specially designed machine for cleaning track and switching areas of various materials dropped by hopper cars during switching operations.

**Frame:** Welded construction using square tubing, channel and formed plates. Width 9'-4" (2845 mm).

**Weight:** 75,760 lbs (34,365 kg).

**Engine:** Caterpillar C7 diesel rated for 225 hp @ 2000 rpm.

**Transmission and Axles:** Sunstrand hydrostatic propelling system. The hydrostatic drive consists of a variable displacement piston pump, a fixed displacement piston motor and a variable displacement piston motor. System pressure is 45,500 psi (379 bar). A propel motor connects to a fixed ratio gear box at each axle. Both axles drive at work speed. One axle propels in high speed travel.

Mode	Max Speed
Work	7 mph (11.3 km/h)
Travel	14 mph (22.5 km/h)

**Wheels and Brakes:** 24" (610 mm) cast steel wheels are bolted to hubs on axles. All wheels are equipped with clasp brake assemblies which apply external cast iron shoes (two per wheel). Service brakes air applied spring released; Emergency/parking brakes - spring applied, air released.

**Air System:** Air compressor, engine oil lubricated, air cooled, 20ft<sup>3</sup> free air volume @ 2,100 rpm; system pressure 100 psi (6.8 atm), 2908 in<sup>3</sup> (47,662 ml) air tank. Service brakes are controlled by a pressure reducing valve and the parking brakes by a manual dump valve. System is equipped with a dual tone air horn and safety relief valve.

**Hydraulic System:** Two variable displacement compensated load sensing pumps, both direct coupled to the engine. Hydraulic reservoir capacity of 170 gallons (643 liters). Filtration consists of 100 mesh suction screens and 10 micron return filters.

Because of Kershaw's continuous desire to improve products, specifications and design are subject to change at any time and without notice and without incurring any obligation to incorporate these changes in previous models. Illustrations and photographs may include optional equipment and may not include standard equipment.

(October 2007)

**Electrical System:** 12 Volt DC negative ground, 60 amp alternator, 205 amp/hour battery, color-coded and numbered wiring.

**Cab:** Enclosed with safety glass to protect the operator. It is equipped with dome light, windshield wipers, all machine operating controls, and air conditioner/heater/pressurization unit.

**Bucket Elevator:** Consists of buckets 71" long (1803 mm) suspended between two endless chains. Has a capacity of 2.66 cubic yards (2.02 m<sup>3</sup>) per minute.

**Plow:** One on each side with a 15° tilting movement off the horizontal up or down. Plow area is 7'-5 1/2" (2273 mm) from centerline of track into the rail area.

**Scarifier:** Welded steel construction with scarifying teeth made of 1" (25.4 mm) thick steel with quick change flex-pin connection replaceable points. Scarifies entire length of cross ties plus 2'-6" (762 mm) beyond end of cross tie. Scarifier is hydraulically raised and lowered with a manual lock.

**Broom:** The broom is 46" (1168 mm) diameter with 2" (50.8 mm) solid rubber elements. Broom is equipped with a dust control system.

**Discharge Hopper:** The discharge hopper is equipped with an hydraulically operated vibrator to prevent material from clogging the discharge chute. The vibrator and conveyor motor are actuated by the same on-off control on the control console. Air dump cars, hoppers, and Gondolas with side heights up to 12'-0" (3658 mm) can be used for loading.

**Capacities:** **Fuel:** 150 gal (568 liters), **Hydraulic:** 170 gal (643 liters).

**Options:** Retractable tandem rubber tired road wheels for TOFC transportation or highway travel, rear coupler.

Post Office Box 244100  
 Montgomery, Alabama 36124-4100 USA  
 Telephone (334) 387-9100  
 Fax (334) 387-9375