

## **SPECIFICATIONS**

### **FOUR TO SIX TON RIGID FRAME, STATIC STEEL DRUM ROLLER WITH TOW PACKAGE**

It is the intent of these specifications to describe a tandem drum static roller equipped with retractable wheels in sufficient detail to secure bids on comparable equipment. All rollers bid shall conform in strength, quality of materials and workmanship to what is usually provided the trade in general. The roller shall be new and of the latest design in current production by the manufacturer.

#### **EXAMPLE: INGRAM RS206T ROLLER**

Any unit not conforming to these specifications will be rejected. It will be the responsibility of the bidder to conform to these requirements, unless deviations have been cited in the bid and acceptance made on that basis.

#### **GENERAL**

Latest model self-propelled rigid frame, tandem static steel drum roller, weighing at least **10,200 pounds** metal weight in its standard configuration with a fully ballasted weight, using water as ballast, of not less than **13,500 pounds**.

#### **ENGINE:**

Unit to be equipped with a four-cylinder water-cooled diesel engine of not less than 2.3 liter displacement capable of producing 48 HP at 2800 RPM. Engine to have 12-volt electrical system, 50 AMP alternator, two stage dry air cleaner with safety element and filter condition indicator. Oil filter and fuel filter shall be provided. Engine shutdown with loss of oil pressure. Engine neutral safety interlock prohibits engine from starting unless in neutral and parking brake applied.

#### **TRANSMISSION:**

Hydrostatic drive, with piston motor / gearbox reduction mounted directly to the compression drum. A single electronic control lever shall control direction, speed, and braking. No chain drive. All o-ring flat face hydraulic components shall be used throughout the hydraulic system.

#### **BRAKES:**

Service braking is dynamic through the hydrostatic drive. Parking brake shall be spring applied, hydraulically released. Parking brake interlock shall be wired into the hydrostatic control to assure no propel torque is applied when brake switch is ON. Parking brake interlock when starting engine.

**DRUMS:**

Roller shall have two fully machined drums, with a split rear drum for steering. The front drum shall be the compression drum, 42" wide with a 48" diameter. The compression drum shall have a nominal shell thickness of .75". The rear split drum shall be 40" wide and 34" in diameter. The rear drum shall have a nominal shell thickness of .50". The operator is to have full view of both drums from either operator's seat.

**OPERATOR'S PLATFORM / CONTROLS:**

Full hydraulic powered yoke steering through orbital control. The operator's compartment shall consist of two center facing adjustable cushioned seats to provide the operator with good visibility from either side of the machine. Engine speed controlled by an infinitely variable throttle control cable. A single electronic control lever shall control direction, speed and braking. All controls should be centralized within easy reach of the operator while seated. The instrument and control pod should swivel to provide convenient access to controls from either seat.

**INSTRUMENTATION:**

Machine shall be equipped with displays for the following functions: fuel level, hours of operation, engine speed, engine oil pressure, water temperature and voltmeter. A dual purpose hydraulic sight level and temperature gauge shall be provided. A vandal cover for instrument panel shall be provided.

**SAFETY:**

Roller to be equipped with a dual post roll over protective structure (ROPS), retractable seat belts and back-up alarm.

**SPRINKLER SYSTEM:**

Roller shall be equipped with water tank of at least 100 gallon capacity. Spray nozzles, dual spring loaded scrapers and single cocoa mat shall be provided for each drum. The water tank to be equipped with a 70-mesh filler screen and an inline 100-mesh filter. The spray system shall be pressurized and shall have an automatic feature that turns the water spray on when the roller is placed in motion and turns the water spray off when the machine is brought to a stop. All controls to be convenient to operator.

**TOW PACKAGE** - Hydraulic retractable wheel attachment with hydraulic auto-locking mechanism to lock wheels in position for transport or operation. 11.00 x 20, 12-ply tires. Tow hitch to be mounted on the compression drum end of roller, operated by a hydraulic cylinder with auto-lock mechanism. Turn signals, stop and tail lights and electric brakes with breakaway activated switch to be included in the towing package.

<b>WEIGHTS &amp; DIMENSIONS:</b>	<b>RS206T</b>
Shipping Weight:	10,200 lbs
Operating Weight:	10,900 lbs
Operating Weight with Ballast:	13,660 lbs
Rolling Width:	42"
Body Width:	86"
Overall Length:	163"
Overall Length-Hitch Extended:	206"
Height with ROPS:	101"
Ground Clearance:	12"
Inside Turning Radius:	163"

<b>CAPACITIES:</b>	
Fuel Capacity:	24 US Gallons
Hydraulic Reservoir:	15 US Gallons
Water Tank:	100 US Gallons

**OPTIONAL EQUIPMENT:** May be substituted or added to basic specifications:

**LIGHT PACKAGE** – Front working lights (2)  
Rear working lights (2)  
Turn signal/flashers

**STROBE LIGHT** - Amber, ON/OFF control from operator's station

**SUNSHADE** - Bolt on sunshade to protect operator from the sun

**FOPS** - Falling object protective structure