

# Engine

Caterpillar four-stroke cycle, four-cylinder 3054T turbocharged diesel engine.

Ratings at 2400 rpm	kW	HP
Gross power	78	105

Engine Type
Diesel, turbocharged

Peak Torque	Nm	ft-lb
	385	284

Displacement	liter	cu.in.
	4.0	244

## Features

- direct-injection rotary fuel pump provides accurate fuel delivery;
- three-ring, controlled-expansion pistons are lubricated by oil from the piston cooling jets;
- gear-driven water pump;
- gear-driven oil pump;
- replaceable dry liners supported over their entire length;
- integral plate-type oil cooler;
- one-piece cast iron cylinder heads with two valves per cylinder;
- fuel priming pump and fuel/water separator are standard.

# Machine Operating Specifications and Dimensions

All dimensions are approximate.

## General Dimensions

A - Height to top of ROPS:	2096 mm/82.5 in.
B - Max lift height at hinge pin:	2767 mm/109 in.
C - Machine length, without loader:	2915 mm/115 in.
D - Length of undercarriage:	2537 mm/100 in.
E - Length of track on ground:	1994 mm/78.5 in.
F - Ground clearance:	406 mm/16 in.
Machine width:	1753 mm/69 in.

## Track Specifications

Track width:	457 mm/18 in.
Track length:	5588 mm/220 in.
Track weight, each:	120 kg/265 lb.

## Machine Weight

Weight, without loader:	3402 kg/7,500 lb
Weight, with loader:	3918 kg/8,640 lb
Ground pressure, without loader:	17.91 kPa/2.6 psi
Ground pressure, with loader:	20.68 kPa/3 psi
Ground contact area:	1.82 m <sup>2</sup> /2,826 in. <sup>2</sup>

## Operating Specifications

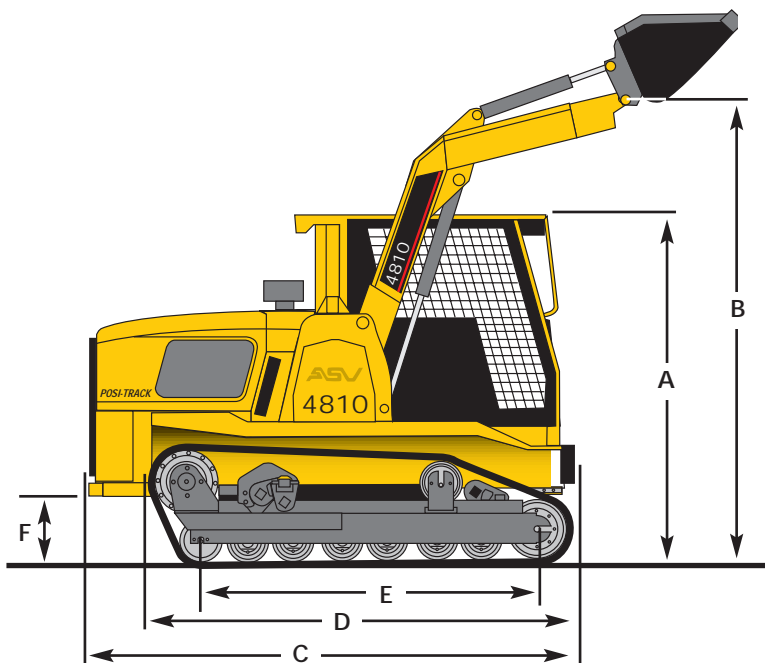
Operating capacities*:	
SAE J818 rating 35% tipping load	937 kg/2,065 lb
SAE J818 rating 50% tipping load	1338 kg/2,950 lb
Breakout force:	2676 kg/5900 lb
Travel speed, max.:	9.7 kph/6 mph

## Auxiliary Hydraulic Pumps

Low flow, max. (standard):	72 Lpm/19 gpm
pressure	20 340 kPa/2,950 psi
High flow, max. (standard):	114 Lpm/30 gpm
pressure	22 063 kPa/3,200 psi

## Service Refill Capacities

Fuel tank:	94.6 L/25 gal
Hydraulic tank:	106 L/28 gal
Engine coolant:	36 L/ 9.5 gal
Engine oil, including filter:	7.8 L/8 qt



\* SAE J818 standards define operating capacities of rubber-tired skid steers (50% tipping load) and tracked loaders (35% tipping load). There are no standards defining the operating capacity of machines equipped with a suspended undercarriage or machines with rubber tracks.