



RT-50

Compact Track Loader



RT-50

Brief Specifications

Operating weight:	6,520 lbs 2957 kg
Tipping load:	4,570 lbs 2072 kg
Ground pressure:	3.7 psi 25.5 kPa
Gross engine power	50 hp 37.3 kW

OPERATING SPECIFICATIONS

Loader arms	Radial
Operating weight	6,520 lbs 2957 kg
Shipping weight	5,867 lbs 2661 kg
Ground pressure @ operating weight	3.7 psi 25.5 kPa
Rated operating capacity, 35% of tipping load	1,600 lbs 725 kg
Operating capacity, 50% of tipping load	2,285 lbs 1036 kg
Tipping load	4,570 lbs 2072 kg
Travel speed, maximum	8 mph 13 kph

ENGINE

Type	Diesel, 4-cylinder, Naturally-Aspirated
Model	Perkins 404D-22
Displacement	135 in ³ 2.2 L
Gross power rating @ 2800 rpm	50 hp 37.3 kW
Torque, peak	105 ft-lb 143 Nm
Cooling system	Engine-driven fan and coolant/anti-freeze filled radiator
Intake air cleaner	Dual stage
Emission controls	Meets all U.S. EPA Tier 4 final standards

UNDERCARRIAGE

Track type: General purpose track constructed of rubber compound with embedded co-polymer cords and all-purpose treads. Single row of track drive lugs molded in. Turf Track with smooth tread available as an option. Extreme Terrain Track with aggressive treads and 16.5 in. 419 mm width available as an option.	
Track width	15 in. 381 mm
Length of track on ground	59 in 1499 mm
Ground contact area	1,770 in ² 1.14 m ²
Drive system	Two hydrostatic direct drive sprockets controlled by a single joystick
Track drive sprockets	Elevated, with low-friction replaceable sprocket rollers
Undercarriage suspension	Two independent torsion axles per undercarriage
Roller wheels	12 high-density polyurethane and rubber wheels per track. Wheels include sealed bearings.
Roller wheel diameter:	
Front and rear wheels	14 in. 365 mm
Middle wheels	10 in. 254 mm

AUX. HYDRAULIC SYSTEM

Pump capacity:	16.3 gpm 61.7 lpm
System pressure, max.	3,000 psi 20 670 kPa
Controls	Intermittent via joystick button or continuous via console switch, mode selectable via dash-mounted switch
Couplers	Push-to-connect quick couplers mounted on loader arms Pressure relief valve mounted to coupler block
Cooling system	High efficiency side-by-side radiator and oil cooler

ELECTRICAL SYSTEM

Nominal charge	12 V
Battery	770 CCA
Charging system	65 amp alternator
Outlets	1-12 V port inside operator station
Engine Block Heater	Standard
Wiring	Pre-wired for all factory-available accessories

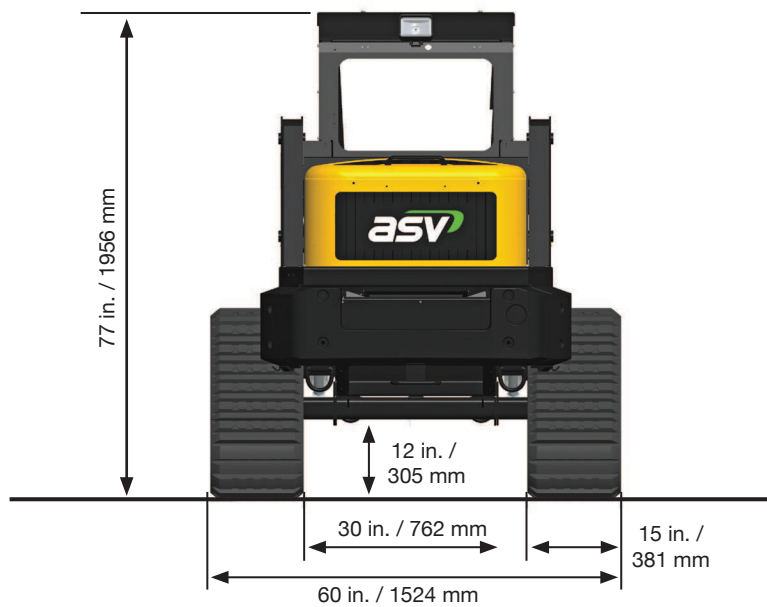
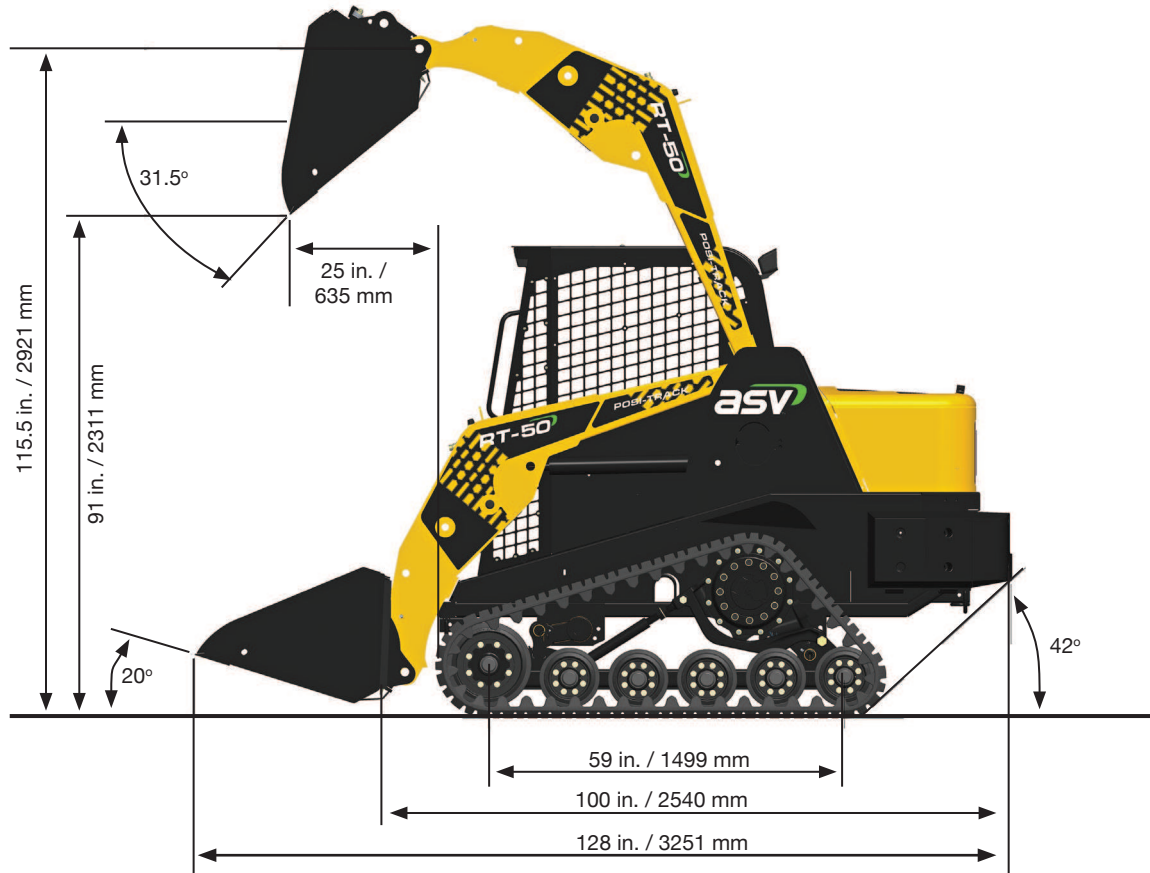
OPERATOR STATION

Seat: Adjustable contour vinyl with built-in operator presence switch, lap bar and 2 in 51 mm wide seat belt	
Loader control: Right-hand pilot hydraulic joystick controls loader lift, lower and tilt, plus intermittent control of auxiliary hydraulic	
Drive control: Left-hand pilot hydraulic joystick controls machine speed and direction	
Engine speed	Foot pedal and hand-operated throttle lever
Indicators / Gauges	Engine oil low-pressure light Hydraulic oil high-temperature light Engine high-temperature light Battery low-voltage light Hour meter Fuel level
ROPS	Meets SAE J1040 MAY94, ISO 3471
FOPS	Meets SAE J1043 SEPT87, ISO 3449
Illumination	4 fixed forward-facing halogen lights 1 adjustable rear-facing halogen lights 1 Interior light
Convenience	12 V power port
Horn	
Backup alarm	

* Machine tested with foundry bucket

DIMENSIONS

RT-50



SERVICE REFILL CAPACITIES

Fuel tank	13.7 gal 51.9 L
Hydraulic tank	8 gal 30.3 L
Engine coolant/antifreeze	2 gal 7.5 L
Engine oil, including filter	11.2 quarts 10.6 L

OPTIONAL ATTACHMENTS

Auger drive and bits	Grapple bucket
Backhoe	Pallet forks
Broom, rotary	Power box rake
Bucket, general purpose	Snow blade
Bucket, light material	Snow blower
Bucket, multi-purpose	Stump grinder
Brush cutter, rotary	Trencher
Dozer blade	Vibratory roller
Eliminator rake	

Effective Date: September, 2016.

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