



SPECIFICATIONS

- ALL
- RT12
- RT16
- RT20
- RT24
- U.S.
- Metric

	US	METRIC
DIMENSIONS		
Trench depth, max	36 in	915 mm
Trench width, min to max	4.3 - 6 in	110 - 150 mm
Boom travel up	60°	60°
Boom travel down	60°	60°
Headshaft height	8.6 in	220 mm
Length-transport	84 in	2.1 m
Width-transport	33 in	840 mm
Height-transport	47 in	1.2 m
Tread	26 in	660 mm
Angle of departure	35°	35°
Wheelbase	32 in	810 mm
Centerline trench to outside edge of machine, left	15 in	381 mm
Centerline trench to outside edge of machine, right	18 in	457 mm
Angle of approach	85°	85°
Spoil discharge reach	10.6 in	270 mm

*Dimensions are based on narrow tread and 8 in (203 mm) pivot.

OPERATION

Vehicle speeds with tires		
Maximum transit forward	280 fpm	85.3 mpm
Maximum transit reverse	114 fpm	34.7 mpm
Vehicle speeds with tracks		
Maximum transit forward	198 fpm	60 mpm
Maximum transit reverse	97 fpm	39.5 mpm
Digging chain speed @ 3600 rpm		
10 Tooth Sprocket	324 fpm	98.7 mpm
12 Tooth Sprocket	389 fpm	118.5 mpm
Spoil handling		
Auger-type	Single, open end	
Auger-size	12 in OD x 4 in ID x 9 in long	305 mm OD x 102 mm ID x 229 mm long
Trench cleaner type	Mechanical	
Trench cleaner size	4-6 in	102 - 152 mm
Operating weight		
• 33,000 lb (14969 kg) test, two-pitch digging chain and 24 in (610 mm) roller boom	1020 lb	463 kg

• 35,000 lb (15876 kg) test, 4.6 in (117 mm) Combo Shark digging chain, Rotowitch, backfill blade, tracks and trench cleaner	1461 lb	664 kg
• 24 in X 4 in (based on roller boom and narrow width digging chain	NA	NA

POWER OPTIONS

Engine	Briggs & Stratton Vanguard™ V-Twin 4 stroke	
Fuel	Gasoline	
Cooling medium	Air	
Number of cylinders	Two	
Displacement	29.23 in ³	479 in ³
Bore	2.68 in	68 mm
Stroke	2.60 in	64 mm
Manufacturer's net horsepower rating	16 hp	11.9 kW
Net torque @ 2500 rpm	25 lb·f	33.9 N·m
Rated speed	3600 rpm	
Fuel consumption @ 3000 rpm	1.2 gph	4.5 Lph

POWER TRAIN

Ground drive transmission	Hydrostatic, infinitely variable from zero to maximum, speed and direction controlled with dual levers	
Digging chain drive	Hydraulic direct drive, lever-operated, one speed forward and reverse	
Pump drive	Direct drive from engine	
Trencher Drive		
Hydraulic	Direct drive	
Chain drive sprocket	Forged and tempered	
Digging tools	Bolt-on cup teeth with hard surfaced edge of tungsten carbide	
Spoil Handling Drive Type	Mechanical, attached to and rotates with headshaft	

TIRES

Drive		
18 x 9.5 x 8 bar lug	12 psi	83 kPa
18 x 9.5 x 8 turf NHS	22 psi	152 kPa

HYDRAULIC SYSTEM

Digging drive pump capacity @ 3600 rpm	7.8 gpm	29.5 Lpm
Pressure	3200 psi	220 bar
Auxiliary pump	.5 in ³	8.2 cm ³
Auxiliary motor	8 in ³	131 cm ³
Ground drive dual hydrostat pump @ 3600 rpm	11.4 gpm	43 Lpm
Pressure	2320 psi	160 bar
Ground drive pump 2x	.4 in ³	6.6 cm ³
Ground drive motor 2x	24.1 in ³	395 cm ³
Filtration: Return flow, 10 micron nominal		
Hydraulic cylinders		
Function: Boom lift		
Type: Double acting		

STEERING

Skid steered, lever controlled

FLUID CAPACITIES

Fuel tank	2.3 gal	6.5 L
Engine oil	1.8 qts	1.7 L
Hydraulic reservoir	8 gal	30 L
Hydraulic system	8.5 gal	32 L

BATTERY

12-volt, top-post
 SAE reserve capacity: 41 min
 SAE cold crank: 340 amps

VIBRATION LEVEL

Vibration at the operator's hand during normal operation 6.639 m/s²

NOISE LEVEL

Operator 90 dbA sound pressure per ISO 6394
 Exterior 102 dbA sound power per ISO 6393

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