

SPECIFICATIONS, WALK BEHIND TRENCHER

RT20	U.S.	METRIC
DIMENSIONS*		
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
Centerline trench to outside edge machine		
Left	15 in	381 mm
Right	18 in	457 mm
POWER		
Engine	Honda® GX630	
Fuel	Gasoline	
Cooling medium	Air	
Number of cylinders	2	
Manufacturer's net horsepower rating	20.8 hp	15.5 kW
Net torque @ 2,500 rpm	35.6 lb-ft	48.3 N-m
Rated speed	3,600 rpm*	
Fuel consumption @ 3,000 rpm	1.77 gph	6.7 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		
Tires, drive	18 x 9.5 x 8 bar lug / 12 psi / 83 kPa	
Tires, trail	13 x 5 x 6	
Trencher drive		
Hydraulic	Direct drive	
Digging chain	33K and 35K	
Ground pressure	4.4 psi	
OPERATION		
Vehicle speeds with tires, max		
Transit forward	243 fpm	74 m/min
Transit reverse	97 fpm	30 m/min
Vehicle speeds with track, max		
Transit forward	169 fpm	51 m/min
Transit reverse	68 fpm	21 m/min
Digging chain speed @ 3,600 rpm	420 fpm	12 m/min
Spoil handling		
Auger, type	Single, open end	
Auger, size	15 in OD x 1.5 in ID x 8.75 in long	381 mm OD x 40 mm ID x 222 mm long
Trench cleaner type	Mechanical	
Trench cleaner size	4-6 in	100-152 mm
Operating weight		
33,000-lb (14969-kg) test, 2-pitch digging chain and 24-in (610 mm) roller boom	1,120 lb	508 kg
HYDRAULIC SYSTEM @ 3,600 RPM		
Digging drive pump capacity	12 gpm	45 l/min
Ground drive dual hydrostat pump	11.4 gpm total	43 l/min
Filtration	Return flow, 10 micron nominal	
FLUID CAPACITIES		
Fuel	Gasoline	
Tank	3.5 gal	13 L
Engine oil	2.1 qt	2 L
Hydraulic reservoir	8 gal	30 L
Hydraulic system	8.5 gal	32 L
TRENCH SIZE, MAX		
Depth	36 in	914 mm
Width	4-6 in	112-152 mm
NOISE LEVEL		
Operator	93 dBA sound pressure per ISO 6394	
Exterior	102 dBA sound power per ISO 6393	
VIBRATION LEVEL		
Vibration at the operator's hand during normal operation is 5.82 m/s².		
BATTERY		
Auxiliary power outlet	12V, top-post	
SAE reserve capacity	41 min	
SAE cold crank	340 amps	

RT24	U.S.	METRIC
DIMENSIONS*		
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
Centerline trench to outside edge machine		
Left	15 in	381 mm
Right	18 in	457 mm
POWER		
Engine	Honda GX690	
Fuel	Gasoline	
Cooling medium	Air	
Number of cylinders	2	
Manufacturer's net horsepower rating	22.3 hp	16.6 kW
Net torque @ 2,500 rpm	35.6 lb-ft	48.3 N-m
Rated speed	3,600 rpm*	
Fuel consumption @ 3,000 rpm	1.77 gph	6.7 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		
Tires, drive	18 x 9.5 x 8 bar lug / 12 psi / 83 kPa	
Tires, trail	13 x 5 x 6	
Trencher drive		
Hydraulic	Direct drive	
Digging chain	33K and 35K	
Ground pressure	4.4 psi	
OPERATION		
Vehicle speeds with tires, max		
Transit forward	243 fpm	74 m/min
Transit reverse	97 fpm	30 m/min
Vehicle speeds with track, max		
Transit forward	169 fpm	51 m/min
Transit reverse	68 fpm	21 m/min
Digging chain speed @ 3,600 rpm	420 fpm	12 m/min
Spoil handling		
Auger, type	Single, open end	
Auger, size	15 in OD x 1.5 in ID x 8.75 in long	381 mm OD x 40 mm ID x 222 mm long
Trench cleaner type	Mechanical	
Trench cleaner size	4-8 in	102-203 mm
Operating weight		
33,000-lb (14969-kg) test, 2-pitch digging chain and 24-in (610 mm) roller boom	1,120 lb	508 kg
HYDRAULIC SYSTEM @ 3,600 RPM		
Digging drive pump capacity	12 gpm	45 l/min
Ground drive dual hydrostat pump	11.4 gpm total	43 l/min
Filtration	Return flow, 10 micron nominal	
FLUID CAPACITIES		
Fuel	Gasoline	
Tank	3.5 gal	13 L
Engine oil	1.8 qt	2 L
Hydraulic reservoir	8 gal	30 L
Hydraulic system	8.5 gal	32 L
TRENCH SIZE, MAX		
Depth	36 in	1219.2 mm
Width	4-8 in	112-203 mm
NOISE LEVEL		
Operator	93 dBA sound pressure per ISO 6394	
Exterior	102 dBA sound power per ISO 6393	
VIBRATION LEVEL		
Vibration at the operator's hand during normal operation is 5.82 m/s².		
BATTERY		
Auxiliary power outlet	12V, top-post	
SAE reserve capacity	41 min	
SAE cold crank	340 amps	

* Dimensions are based on narrow tread and 8-in (203-mm) pivot. Specifications are general and subject to change without notice. If exact measurements are required, equipment should be weighed and measured. Due to selected options, delivered equipment may not necessarily match that shown.

SPECIFICATIONS, WALK BEHIND TRENCHER

RT12	U.S.	METRIC
DIMENSIONS*		
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
Centerline trench to outside edge machine		
Left	15 in	381 mm
Right	18 in	457 mm
POWER		
Engine	Honda® iGX390	
Fuel	Gasoline	
Cooling medium	Air	
Number of cylinders	1	
Manufacturer's net horsepower rating	11.7 hp	8.7 kW
Net torque @ 2,500 rpm	19.5 lb-ft	26.4 N-m
Rated speed	3,600 rpm*	
Fuel consumption @ 3,000 rpm	0.89 gph	3.4 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		
Tires, drive	18 x 9.5 x 8 bar lug / 12 psi / 83 kPa	
Tires, trail	13 x 5 x 6	
Trencher drive		
Hydraulic	Direct drive	
Digging chain	33K and 35K	
Ground pressure	4.1 psi	
OPERATION		
Vehicle speeds with tires, max		
Transit forward	280 fpm	85.3 m/min
Transit reverse	114 fpm	34.7 m/min
Vehicle speeds with track, max		
Transit forward	198 fpm	60 m/min
Transit reverse	97 fpm	39.5 m/min
Digging chain speed @ 3,600 rpm		
10-tooth sprocket	324 fpm	98.7 m/min
12-tooth sprocket	389 fpm	118.5 m/min
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, 2-pitch digging chain and 24-in (610-mm) roller boom	1,020 lb	463 kg
HYDRAULIC SYSTEM @ 3,600 RPM		
Digging drive pump capacity	7.8 gpm	29.5 l/min
Ground drive dual hydrostat pump	11.4 gpm total	43 l/min
Filtration	Return flow, 10 micron nominal	
FLUID CAPACITIES		
Fuel	Gasoline	
Tank	1.6 gal	6.2 L
Engine oil	1.6 qt	1.1 L
Hydraulic reservoir	8 gal	30 L
Hydraulic system	8.5 gal	32 L
TRENCH SIZE, MAX		
Depth	36 in	914 mm
Width	4-6 in	112-152 mm
NOISE LEVEL		
Operator	93 dBA sound pressure per ISO 6394	
Exterior	102 dBA sound power per ISO 6393	
VIBRATION LEVEL		
Vibration at the operator's hand during normal operation is 6.639 m/s ² .		
BATTERY		
Auxiliary power outlet	12V, top-post	
SAE reserve capacity	41 min	
SAE cold crank	340 amps	

RT16	U.S.	METRIC
DIMENSIONS*		
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
Centerline trench to outside edge machine		
Left	15 in	381 mm
Right	18 in	457 mm
POWER		
Engine	Briggs & Stratton® Vanguard™ 16	
Fuel	Gasoline	
Cooling medium	Air	
Number of cylinders	2	
Manufacturer's net horsepower rating	13.7 hp	11.9 kW
Net torque @ 2,500 rpm	25 lb-ft	33.9 N-m
Rated speed	3,600 rpm*	
Fuel consumption @ 3,000 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		
Tires, drive	18 x 9.5 x 8 bar lug / 12 psi / 83 kPa	
Tires, trail	13 x 5 x 6	
Trencher drive		
Hydraulic	Direct drive	
Digging chain	33K and 35K	
Ground pressure	3.9 psi	
OPERATION		
Vehicle speeds with tires, max		
Transit forward	280 fpm	85.3 m/min
Transit reverse	114 fpm	34.7 m/min
Vehicle speeds with track, max		
Transit forward	198 fpm	60 m/min
Transit reverse	97 fpm	39.5 m/min
Digging chain speed @ 3,600 rpm		
10-tooth sprocket	324 fpm	98.7 m/min
12-tooth sprocket	389 fpm	118.5 m/min
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, 2-pitch digging chain and 24-in (610-mm) roller boom	1,020 lb	463 kg
HYDRAULIC SYSTEM @ 3,600 RPM		
Digging drive pump capacity	7.8 gpm	29.5 l/min
Ground drive dual hydrostat pump	11.4 gpm total	43 l/min
Filtration	Return flow, 10 micron nominal	
FLUID CAPACITIES		
Fuel	Gasoline	
Tank	2.3 gal	6.5 L
Engine oil	1.8 qt	1.7 L
Hydraulic reservoir	8 gal	30 L
Hydraulic system	8.5 gal	32 L
TRENCH SIZE, MAX		
Depth	36 in	914 mm
Width	4-6 in	112-152 mm
NOISE LEVEL		
Operator	96 dBA sound pressure per ISO 6394	
Exterior	100 dBA sound power per ISO 6393	
VIBRATION LEVEL		
Vibration at the operator's hand during normal operation is 3.387 m/s ² .		
BATTERY		
Auxiliary power outlet	12V, top-post	
SAE reserve capacity	41 min	
SAE cold crank	340 amps	

* Dimensions are based on narrow tread and 8-in (203-mm) pivot. Specifications are general and subject to change without notice. If exact measurements are required, equipment should be weighed and measured. Due to selected options, delivered equipment may not necessarily match that shown.