Ditch Witch* ditchwitch.com

SPECIFICATIONS, WALK BEHIND TRENCHER

RT20	U.S.	METRIC
DIMENSIONS [*] Headshaft height	9.6 in	220 mm
0	8.6 in 84 in	220 mm 2.1 m
Length, transport Width, transport	33 in	840 mm
Height, transport	47 in	1.2 m
Centerline trench to outside edge machine	47 111	1.2 111
Left	15 in	381 mm
Right	18 in	457 mm
POWER	10 11	437 1111
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
OWER TRAIN	0.	·
Ground drive transmission: hydrostatic, infi direction controlled with dual levers	nitely variable from zero to r	naximum, speed, ar
Digging chain drive: hydraulic direct drive,	lever-operated, one speed fo	orward and reverse
Pump drive: direct drive from engine		
Tires, drive	18 x 9.5 x 8 bar lug / 1	2 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	
PERATION	·	
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	
	15 in OD x 1.5 in ID	381 mm
Auger, size	x 8.75 in long	OD x 40 mm ID x 222 mm lon
Trench cleaner type	Mechanical	18 X 222 1111 101
Trench cleaner size	4-6 in	100-152 mm
Operating weight	4-0 11	100-132 1111
33,000-lb (14969-kg) test, 2-pitch digging chain and 24-in (610 mm) roller boom	1,120 lb	508 kg
IYDRAULIC SYSTEM @ 3,600 RPM	10	
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
	0 ''	
Fuel	Gasoline	10.1
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
RENCH SIZE, MAX	26.1	014
Depth	36 in	914 mm
Width	4-6 in	112-152 mm
IOISE LEVEL		
Operator	93 dBA sound pressure	
Exterior	102 dBA sound power	per ISO 6393
IBRATION LEVEL		
Vibration at the operator's hand during norm	nal operation is 5.82 m/s ² .	
ATTERY		
Auxiliary power outlet	12V, top-post	
SAE reserve capacity SAE cold crank	41 min 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
OWER		
Engine	Honda GX690	
Fuel	Gasoline	
Cooling medium Number of cylinders	Air 2	
Manufacturer's net horsepower rating	22.3 hp	16.6 kW
· · ·	35.6 lb.ft	48.3 N·m
Net torque @ 2,500 rpm		46.3 10-111
Rated speed Fuel consumption @ 3,000 rpm	3,600 rpm* 1.77 gph	6.7 lph
OWER TRAIN	1.77 gpi	0.7 ipii
Ground drive transmission: hydrostatic, infi	nitely variable from zero to	maximum speed an
direction controlled with dual levers		maximum, spece, an
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	
PERATION		
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	
	15 in OD x 1.5 in	381 mm
Auger, size	ID x 8.75 in long	OD x 40 mm ID x 222 mm long
Trench cleaner type	Mechanical	10 X 222 11111101
Trench cleaner size	4-8 in	102-203 mm
Operating weight	4-0 11	102-203 11111
33,000-lb (14969-kg) test, 2-pitch digging chain and 24-in (610 mm) roller boom	1,120 lb	508 kg
YDRAULIC 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 micro	on nominal
LUID 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
RENCH SIZE, MAX		
Depth	36 in	1219.2 mm
Width	4-8 in	112-203 mm
OISE LEVEL		
Operator	93 dBA sound pressu	ire per ISO 6394
Exterior	102 dBA sound powe	
IBRATION LEVEL		
Vibration at the operator's hand during norr	mal operation is 5.82 m/s ²	
ATTERY		
Auxiliary power outlet	12V, top-post	
SAE reserve capacity	41 min	

* 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.

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SPECIFICATIONS, WALK BEHIND TRENCHER

RT12 dimensions*	U.S.	METRIC
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, infin direction controlled with dual levers Digging chain drive: hydraulic direct drive, le		
Pump drive: direct drive from engine	ever-operated, one speed	Tion ward and reverse
Tires, drive	18 x 9.5 x 8 bar lug	/ 12 nsi / 83 kPa
Tires, trail	13 x 5 x 6	/ 12 p31/ 05 ki a
Trencher drive	13 X 3 X 0	
Hydraulic	Direct drive	
Digging chain	33K and 35K	
Ground pressure	4.1 psi	
OPERATION	4.1 psi	
Vehicle speeds with tires, max		
Transit forward	280 fpm	85.3 m/min
Transit reverse		34.7 m/min
Vehicle speeds with track, max	114 fpm	54.7 11/11111
Transit forward	100 fmm	CO m /min
	198 fpm	60 m/min
Transit reverse	97 fpm	39.5 m/min
Digging chain speed @ 3,600 rpm	201 fram	0.0.7 m/min
10-tooth sprocket	324 fpm	98.7 m/min
12-tooth sprocket	389 fpm	118.5 m/min
Spoil handling	0	
Auger, type	Single, open end	205
Auger, size	12 in OD x 4 in ID x 9 in long	305 mm OD x 102 mm ID x 229 mm lon
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	0 "	
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	0.0.1	
Depth	36 in	914 mm
Width	4-6 in	112-152 mm
NOISE LEVEL		
Operator	93 dBA sound press	ure per ISO 6394
Exterior	102 dBA sound pow	er per ISO 6393
VIBRATION LEVEL		
Vibration at the operator's hand during norm	al operation is 6.639 m	/s².
	12V, top-post	
BATTERY	12V, top-post 41 min	

RT16 dimensions*	U.S.	METRIC
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 [®] Va	anguard™ 16
Fuel	Gasoline	
Cooling medium	Air	
Number of cylinders	2	44.0.111
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*	4 E Inh
Fuel consumption @ 3,000 rpm	1.2 gph	4.5 lph
POWER TRAIN Ground drive transmission: hydrostatic, infi	nitaly variable from zero t	a maximum apaad ar
direction controlled with dual levers	nitely variable from zero t	o maximum, speeu, ai
Digging chain drive: hydraulic direct drive, l	ever-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
Trench cleaner hund		ID x 229 mm lon
Trench cleaner type Trench cleaner size	Mechanical 4-6 in	102-152 mm
Operating weight	4-0 10	102-152 mm
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	79	20 E 1/m-1-
Digging drive pump capacity	7.8 gpm	29.5 l/min
Ground drive dual hydrostat pump Filtration	11.4 gpm total Return flow, 10 micro	43 l/min
FLUID CAPACITIES	Neturn now, 10 million	
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 press	ure per ISO 6394
Exterior	100 dBA sound powe	
VIBRATION LEVEL		1-2
Vibration at the operator's hand during nor	mal operation is 3.387 m	//S².
Vibration at the operator's hand during nor BATTERY	-	//S².
VIBRATION LEVEL Vibration at the operator's hand during nor BATTERY Auxiliary power outlet SAE reserve capacity	mal operation is 3.387 m 12V, top-post 41 min	//S².

* 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.