



T13 TRENCHER

FEATURES & BENEFITS

IDEAL FOOTPRINT

Perfect for utility installation and small pipeline jobs, the T13 delivers robust performance in just about any soil condition.

DURABLE CHAIN

Mechanical drive drastically reduces chain tooth wear and offers adjustable chain speeds to take on tougher formations.

EFFICIENT TRENCHING

Easily and quickly install products by keeping your trench free of debris with an advanced crumb shoe, reducing costly delays.

ADVANCED LOAD CONTROL

Equipped with PinPoint® telematics and load control software, the T13 delivers more precise monitoring and support.

SIMPLIFIED MAINTENANCE

Fewer maintenance points with easier access makes ongoing upkeep quicker and more convenient, saving you time and money.

WORK PROTECTED

All Trenchor® machines come with bumper-to-bumper coverage for the first two years of ownership with an optional extended warranty so you can work with maximum peace of mind.

TRENCOR®

T13 TRENCHER

DIMENSIONS	U.S.	METRIC
Length, no attachments	351.1 in	8,918 mm
Width, no attachments	114 in	2,896 mm
Overall machine width	117.7 in	2,990 mm
Overall machine height	145.1 in	3,686 mm
Machine weight	104,000 lb	41,173 kg
Operating weight, min	127,000 lb	57,606 kg
Operating weight, max	173,000 lb	78,471 kg
Shipping weight	75,000 lb	34,019 kg

POWER PLANT

Engine, tier 3	CAT C15	
Engine, tier 4 final	CAT C13B	
Fuel	Diesel	
Engine manufacturer's gross power rating @ 2100 RPM		
Tier 3	475 hp	354 kW
Tier 4	536 hp	400 kW
Emissions compliance	Tier 3	Stage IIIA
Emissions compliance	Tier 4 final	EU Stage V
Torque, tier 3	1,601 ft-lb	2,379 Nm
Torque, tier 4 final	1,807 ft-lb	2,450 Nm
Fuel capacity	322 gal	1,219 L
Hydraulic capacity	190 gal	719 L

POWER TRAIN

Transmission	Allison 4500	
Hours per full tank - full power		
Tier 3	13 hours	
Tier 4 final	12 hours	
Def. capacity, tier 3	N/A	N/A
Def. capacity, tier 4 final	N/A	95 L
Variable-reversing engine cooling fan	Hydraulic drive	

CHAIN SPEED

First gear, tier 3	167 ft/min	50 m/min
First gear, tier 4 final	178 ft/min	54 m/min
Second gear, tier 3	354 ft/min	107 m/min
Second gear, tier 4 final	377 ft/min	115 m/min
Third gear, tier 3	514 ft/min	156 m/min
Third gear, tier 4 final	548 ft/min	167 m/min
Fourth gear tier 3	783 ft/min	238 m/min
Fourth gear tier 4 final	834 ft/min	254 m/min
Fifth gear, tier 3	N/A	N/A
Fifth gear, tier 4 final	N/A	N/A
Reverse gear, tier 3	141 ft/min	43 m/min
Reverse gear, tier 4 final	150 ft/min	46 m/min

CHAIN FORCE	U.S.	METRIC
First gear, tier 3	89,354 lb	397 kN
First gear, tier 4 final	94,585 lb	421 kN
Second gear, tier 3	42,111 lb	187 kN
Second gear, tier 4 final	44,576 lb	198 kN
Third gear, tier 3	28,960 lb	129 kN
Third gear, tier 4 final	30,655 lb	136 kN
Fourth gear, tier 3	19,029 lb	85 kN
Fourth gear, tier 4 final	20,143 lb	90 kN
Reverse gear, tier 3	105,640 lb	470 kN
Reverse gear, tier 4 final	111,827 lb	497 kN

OPERATION

Ground speed, low	0.6 mph	0.9 km/h
Drawbar pull low, max	129,000 ft-lb	574 kN
Ground speed high, max	1.6 mph	2.6 km/h
Drawbar pull high	46,000 ft-lb	205 kN
Ground bearing, no attachment	13.71 psi	0.95 bar
Conveyor Speed, tier 3	1,373 ft/min	418 m/min
Conveyor Speed, tier 4 final	1,407 ft/min	429 m/min
Boom width, D8	13 in	330 mm
Trench width, D8	16-26 in	406-660 mm
Trench depth, max, D8	18 ft	2.43 m
Boom width, D8x20	27 in	686 mm
Trench width, D8x20	28-40 in	711-1016 mm
Trench depth, max, D8x20	14 ft	4.26 m
Boom width, D8x20	35 in	889 mm
Trench width, D8x20	38-48 in	965-1219 mm
Trench depth, max D8x20	12 ft	3.65 m
Primary Boom Depth	6.5 ft	1.98 m
Boom extensions	2 ft, 4 ft, 8 ft	0.61 m, 1.22 m, 2.44 m
Standard digging depths	6-16 ft	1.83-4.88 m

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.