



# T14 TRENCHER

## FEATURES & BENEFITS

### **IMPROVED DESIGN**

With an updated mainframe design, the T14 is engineered to increase strength and durability on long-haul trenching jobs.

### **DURABLE CHAIN**

Significantly reduce the wear to your chain with mechanical drive and chain speeds to conquer the most challenging formations.

### **EFFICIENT TRENCHING**

Install products faster and easier with the help of a superior crumb shoe, clearing the trench of dirt and debris and creating reusable backfill.

### **PRECISE MONITORING**

Equipped with PinPoint® telematics, the T14 identifies your location with better accuracy for remote monitoring and support.

### **FLEXIBLE BOOM**

New boom designs allow you to work within the industry's changing job requirements.

### **MACHINE PROTECTION**

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

# **TRENCOR®**



# T14 TRENCHER

DIMENSIONS	U.S.	METRIC
Length, no attachments	401.4 in	10,196 mm
Width, no attachments	139.7 in	3,548 mm
Overall machine width	151 in	3,835 mm
Overall machine height	164.4 in	4,176 mm
Machine weight	190,00 lb	86,183 kg
Operating weight, min	236,000 lb	107,048 kg
Operating weight, max	281,500 lb	127,686 kg
Shipping weight	111,900 lb	50,575 kg

## POWER PLANT

Engine	CAT	
Fuel	Diesel	
Engine manufacturer's gross power rating @ 1800 RPM		
Tier 3	700 hp	522 kW
Tier 4 final	755 hp	555 kW
Emissions compliance	Tier 3	Stage IIIA
Emissions compliance	Tier 4 final	EU Stage V
Torque @ 1400 RPM		
Tier 3	2,361 ft-lb	
Tier 4 final	2,582 ft-lb	2,900 Nm
Fuel capacity	405 gal	1,533 L
Hydraulic capacity	255 gal	965 L

## POWER TRAIN

Transmission, tier 3	Allison 6620 SP	
Transmission, tier 4 final	Allison 6620	
Hours per full tank - full power		
Tier 3	10.8 hours	
Tier 4 final	10.5 hours	
Def. capacity, tier 3	N/A	N/A
Def. capacity, tier 4 final	N/A	N/A
Variable-reversing engine cooling fan	Hydraulic drive	

## CHAIN SPEED

First gear, tier 3	190 ft/min	58 m/min
First gear, tier 4 final	190 ft/min	58 m/min
Second gear, tier 3	253 ft/min	77 m/min
Second gear, tier 4 final	253 ft/min	77 m/min
Third gear, tier 3	377 ft/min	115 m/min
Third gear, tier 4 final	377 ft/min	115 m/min
Fourth gear, tier 3	510 ft/min	155 m/min
Fourth gear, tier 4 final	510 ft/min	155 m/min
Reverse gear, tier 3	99 ft/min	30 m/min
Reverse gear, tier 4 final	99 ft/min	30 m/min

CHAIN FORCE	U.S.	METRIC
First gear, tier 3	115,588 lb	514 kN
First gear, tier 4 final	108,640 lb	804 kN
Second gear, tier 3	86,691 lb	386 kN
Second gear, tier 4 final	135,480 lb	603 kN
Third gear, tier 3	58,182 lb	259 kN
Third gear, tier 4 final	90,926 lb	404 kN
Fourth gear, tier 3	43,066 lb	192 kN
Fourth gear, tier 4 final	67,303 lb	299 kN
Reverse gear, tier 3	221,788 lb	987 kN
Reverse gear, tier 4 final	346,608 lb	1,542 kN

## OPERATION

Ground speed, low	0.4 mph	0.6 km/h
Drawbar pull low, max	208,000 ft-lb	925 kN
Ground speed high, max	1.2 mph	1.9 km/h
Drawbar pull high	75,000 ft-lb	334 kN
Ground bearing, no attachment	16.28 psi	1.12 bar
Conveyor speed, tier 3	1,209 ft/min	368 m/min
Conveyor speed, tier 4 final	1,209 ft/min	346 m/min
Boom width	27 in	686 mm
Trench width	28-40 in	711-1,016 mm
Trench depth, max	20 ft	6.09 m
Boom width	35 in	889 mm
Trench width	38-48 in	965-1,219 mm
Trench depth, max	16 ft	4.87 m
Boom width	47 in	1,194 mm
Trench width	50-54 in	1,270-1,372 mm
Trench depth, max	14 ft	4.26 m
Primary boom depth	8 ft	2.44 m
Boom extension	2 ft, 4 ft, 8 ft	0.61 m, 1.22 m, 2.44 m
Standard digging depths	8-20 ft	2.44-6.10 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.

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