

# 400MCT RT1100



The Tesmec 400MCT – with its tangential wheel – stands out as a high-performance wheel trencher. The design caters to the demands of long-distance trenching for fiber optic, electric cable and small diameter water pipeline projects, whether situated in urban or rural environments.

This remote-controlled trencher lends to operator safety and productivity standards, by allowing the operator to have a comprehensive view of the surrounding area and trench line cut.

The 400 MCT will showcase an offset back end digging capability, while an optional mechanical cable laying concept can be incorporated upon request.

This machine can be outfitted with a Smart Tracker system that records real-time data logs and automatically generates as-built maps for greater project accuracy, saving time and money by eliminating the need for a third-party service.

Overall, the 400 MCT is a very versatile piece of equipment to add to your fleet.

## STATE OF THE ART TECHNOLOGY

**TrenchTronic (standard)** Electronic control with operator selectable digging pressure, fully automatic operation, and remote diagnostic system

**Re.M (standard)** The remote monitoring system with machine data remote monitoring, fleet location management, troubleshooting information and operating conditions

**Smart tracker (optional)** Automatically collects as-built data while the machine is trenching, avoiding survey stakeout and achieve the complete digitalization of the jobsite

## TRENCHING DIMENSIONS



## TRANSPORT DIMENSIONS

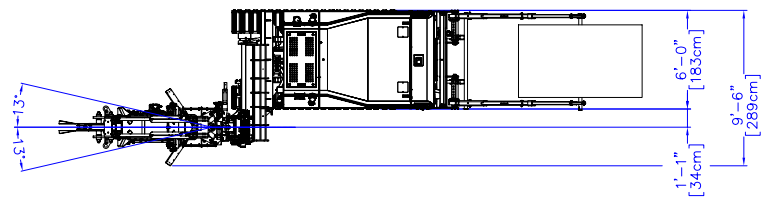
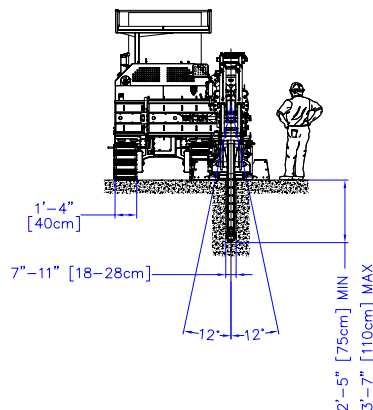
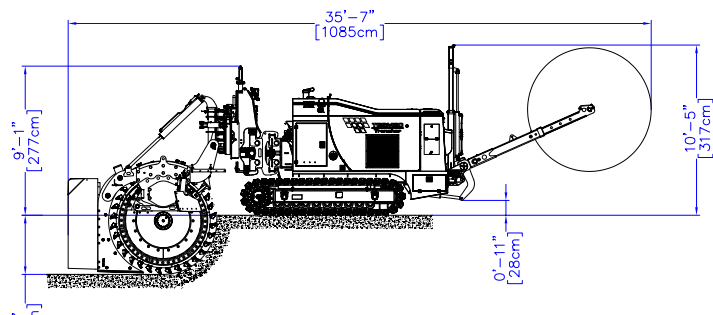
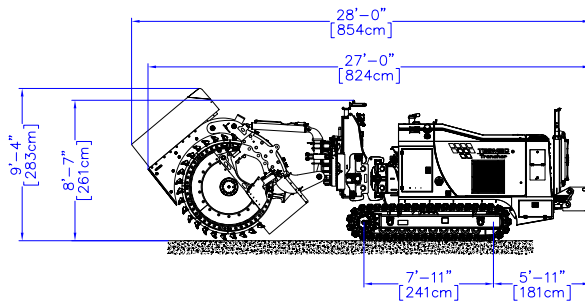
	US	METRIC
Length	27' 0"	824
Width	6' 0"	183 cm
Height	8' 7"	261 cm
Weight	29.700 - 34.100 lbs	13.500 - 15.500 Kg
Ground pressure	9.9 - 11.3 psi	0.70 - 0.80 kg/cm <sup>2</sup>

## ENGINE

	US	METRIC
<b>Model and Max HP (kW)</b>		
Tier 4/Stage V VOLVO TAD583VE	238 HP (175 kW)	238 HP (175 kW)
Tier 3 VOLVO TAD552VE	218 HP (160 kW)	218 HP (160 kW)
Max no load rpm	1,700 RPM	1.700 RPM
Fuel tank capacity	50.2 gal	190 L
<b>Fuel consumption (at full load)</b>		
Tier 4/Stage V	11.04 gal/hr	41.8 L/hr
Tier 3	11.62 gal/hr	44 L/hr
<b>AD Blue/DEF consumption</b>		
Tier 4 / Stage V	0.68 gal/hr	2.59 L/hr
Cooling rating	130°F ambient air	54°C ambient air
Air cleaner	Power Core	

## TRACKS

	US	METRIC
Track chain type	FL4	
Track length	7' 11"	241 cm
Track pad width	1' 4"	40 cm
Track pad type	Triple grouser (single available as option)	
Self-leveling (tilting) undercarriage	0' 8"	20 cm



## CRAWLER DRIVE

	US	METRIC
Drive	Hydraulic open circuit, planetary transmission	
	Full counter rotation	
Infinitely variable speed	Forward and reverse	
Working speed	0 - 0.72 mph	0 - 1.16 km/h
Transfer speed	0 - 1.20 mph	0 - 1.93 km/h
Parking and service brake	Spring applied, hydraulic release, wet disc brake	

## DIGGING DRIVE

	US	METRIC
Drive	Hydrostatic, one variable displacement pump and one motor	
Digging speed ranges	0 - 885 fpm	0 - 270 m/min
Cutters	Rotary carbide tipped	
Cutters shank diameter	1"	2.5 cm
Cutters gage	2"	6.5 cm
Parking and service brake	Spring applied, hydraulic release, wet disc brake	

## TRUCK LOADING CONVEYOR

	US	METRIC
	Not available in this configuration	

Pictures & drawings can be different according to technical specifications - Updating programme variations without notice are possible