

# 400MCT RT1100



Tesmec 400MCT with RT1100 is a 14 metric ton-class trencher featuring a 238 Hp (175 kW) Tier 4/ Stage V engine, or a 218 Hp (160 kW) Tier 3 engine, designed for telecom and energy cables projects in urban and extra-urban areas

## STANDARD FEATURES

**Productivity** Exploit the productivity of 400 MCT tractor and RT1100 tangential wheel attachment, with an hydraulic offset of 70 cm (2' 4" from machine centerline either direction, +/- 12° hydraulic tilt (rotation about horizontal axis) and +/- 13° hydraulic pivot (rotation about vertical axis). These are offered as standard with crumbshoe, TrenchTronic and Re.M.

**Modularity** Enhance 400MCT potential thanks to its modularity. This model is available also with R670 axial wheel, CS1200 chainsaw and VP1100 vibratory plow, making it the ideal solution for multiple applications.

**Remote controlled** Experience the radio control system, which enables the operator to control the machine remotely, increasing the safety in site, the visibility on the trenching area and on the trenching tool.

## OPTIONAL FEATURES

- Kit Extra Offset max 34 cm (1' 1")
- Rubber track pads
- Reel carrier, rollers and laying box for mechanical laying
- Smart Tracker

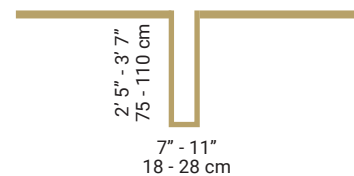
## STATE OF THE ART TECHNOLOGY

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

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

**Smart tracker** 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

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

## ENGINE

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

## TRACKS

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

## CRAWLER DRIVE

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

## DIGGING DRIVE

	METRIC	US
<b>Drive</b>	Hydrostatic, one variable displacement pump and one motor	
<b>Digging speed ranges</b>	0 - 270 m/min	0 - 885 fpm
<b>Cutters</b>	Rotary carbide tipped	
<b>Cutters shank diameter</b>	2.5 cm	1"
<b>Cutters gage</b>	6.5 cm	2"

## TRUCK LOADING CONVEYOR

	METRIC	US
<b>Not available in this configuration</b>		

