

400MCT VP1100



Tesmec 400MCT with VP1100 vibratory plow is a 10 metric ton-class trencher featuring a 238 Hp (175kW) tier 4 engine/Stage V, or a 218 Hp (218 kW) tier 3 engine, designed for telecom and energy cable projects in rural areas

STANDARD FEATURES

Productivity Exploit the productivity of 400MCT tractor and vibratory plow attachment, with a hydraulic off-center ploughing of +/-115 cm (45") from the machine center. These are offered as standard with TrenchTronic and Re.m.

Modularity Enhance 400MCT potential thanks to its modularity. This model is available also with R670 axial wheel, RT1100 tangential wheel, and CS1200 chainsaw attachment, 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

- 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 stake-out and achieve the complete digitalization of the jobsite

LAYING DIMENSION

METRIC US

Max laying depth	110 cm	3' 7"
Max cable diameter 1st channel	5.5 cm	2"-1/64
Max cable diameter 2nd channel	5 cm	2"
Max width of warning tape	5 cm	2"
Number of channel for lightning conductors		3

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TRANSPORT DIMENSIONS

	METRIC	US
Lenght	840 cm	27' 7"
Width	183 cm	6' 0"
Height	261 cm	8' 7"
Weight	10.000 - 10.900 Kg	22.000 - 24.000
Ground pressure	0.51 - 0.56 kg/cm ²	7.2 - 7.9

ENGINE

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

TRACKS

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

CRAWLER DRIVE

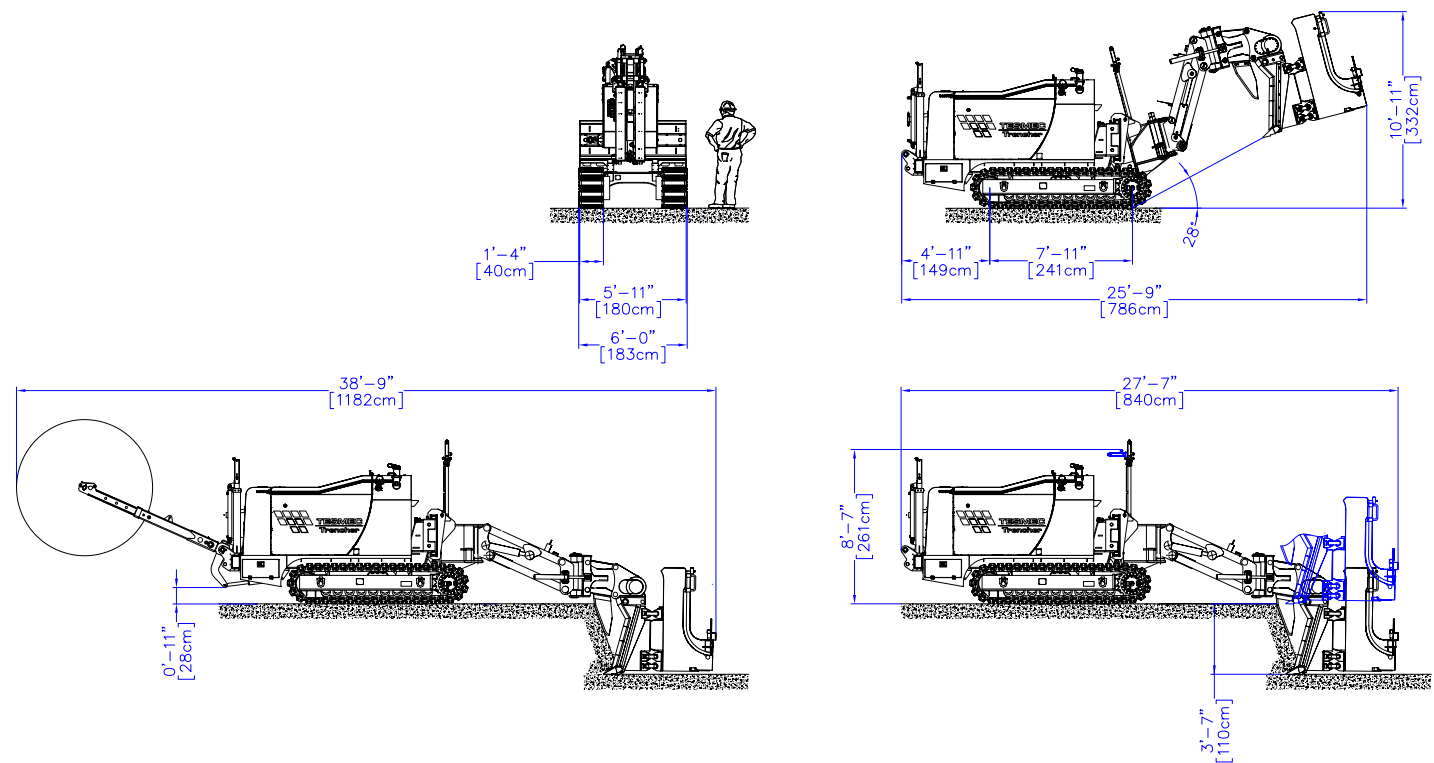
	METRIC	US
Drive	Hydraulic open circuit, planetary transmission	
	Full counter rotation	
Infinitely variable speed	Forward and reverse	
Working speed	0 - 1.16 km/h	0 - 0.72 mph
Transfer speed	0 - 1.93 km/h	0 - 1.20 mph
Parking and service brake	Spring applied, hydraulic release, wet disc brake	

VIBRATORY CABLE PLOW

	METRIC	US
Max Traction force	100 kN	22.480 lbf
Simultaneously laying of cable		3 pcs
Simultaneously laying of lightning conductors		3 pcs
Simultaneously laying of warning tape		2 pcs
Exit warning tape	Left and right	

TRUCK LOADING CONVEYOR

	METRIC	US
Not available in this configuration		



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