

# 1075 CHAINSAW



The Tesmec 1075 Chainsaw trencher is specifically designed to excel in trenching operations within rocky terrains, with a primary focus on serving pipeline and utility projects.

What sets this machine apart is its seamless integration with the advanced TrenchTronic 5.0 technology. This feature enhances its overall capabilities and precision, with less dependence on the operator's expertise. This intuitive system facilitates more efficient trenching processes, ensuring tasks are carried out with precision and minimal complexity.

This specialized equipment proves invaluable in improving efficiency and productivity on infrastructure projects that entail trenching through rugged, rocky soils.

With Re.M, operators and project managers can gain valuable insights into the equipment's performance and ensure its optimal functionality while on the job.

Adding the SmartTracker system, equipped with GPS data recording capabilities, contributes to the overall efficiency of the trenching operations. By doing so, it significantly reduces both time and cost, all while providing comprehensive project documentation upon the project's completion.

## STATE OF THE ART TECHNOLOGY

**TrenchTronic 5.0 (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

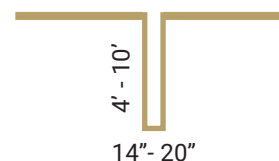
**TrenchIntel (Optional)** The extra high precision 3DGPS guidance system for automatic depth and grade control, autosteering to a predefined path, pass optimization and fleet control.

**SmartTracker (Optional)** Automatically collects as built data while the machine is trenching, avoiding survey stakeout and achieve the complete digitalization of the jobsite

## TRENCHING DIMENSIONS

SINGLE CHAIN BOOM

DOUBLE CHAIN BOOM



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## TRANSPORT DIMENSIONS

	US	METRIC	
Length	4 ft boom	32' 5"	988 cm
	6 ft boom	34' 8"	1.057 cm
	8 ft boom	36' 11"	1.125 cm
	10 ft boom	39' 2"	1.194 cm
Width	9' 9"	296 cm	
Height	10' 7"	323 cm	
Weight	82,900 - 98,100 lbs	37.600 - 44.500 kg	
Ground pressure	9.8 - 11.5 psi	0.69 - 0.81 kg/cm2	

## ENGINE

	US	METRIC
<b>Model and Max HP (kW)</b>		
Tier 4/Stage V CAT 9.3B ACERT	375 HP (280 kW)	375 HP (280 kW)
Max no load rpm	2,000 RPM	2.000 RPM
Fuel tank capacity	195 gal	738 L
Fuel consumption (at full load)	19.5 gal/hr	73.8 L/hr
AD Blue/DEF consumption	0.63 gal/hr	2.38 L/hr
Cooling rating	135°F ambient air	57°C ambient air
Air cleaner	Dry type, centrifugal precleaner with primary and secondary filters	

## TRACKS

	US	METRIC
Track chain type	38/320	
Track length	11'	336 cm
Track pad width	2' 8"	81 cm
Track pad type	Single, double or triple grouser	

## CRAWLER DRIVE

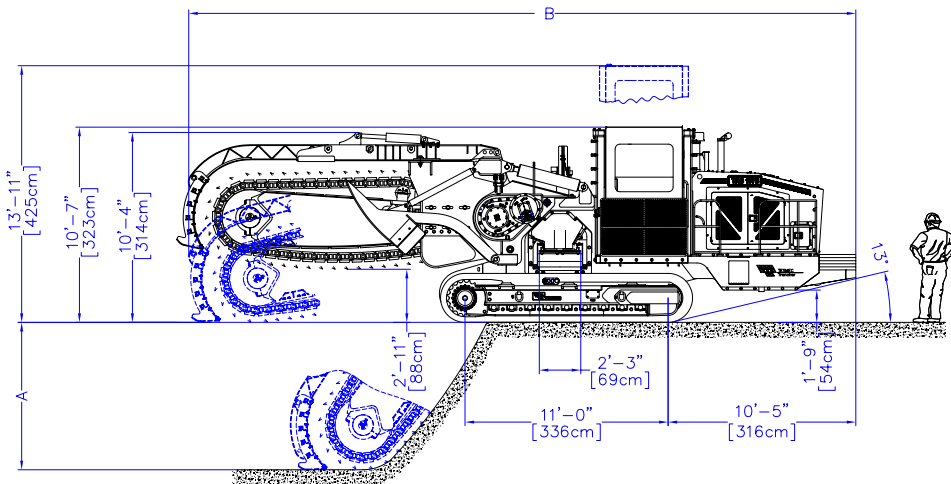
	US	METRIC
Drive	Dual path, hydrostatic, planetary transmissions Full counter rotation with single lever steering	
Infinitely variable speed	Forward and reverse	
High range	0 - 2.5 mph	0 - 4 km/h
Low range	0 - 1.1 mph	0 - 1.7 km/h
Parking and service brake	Spring applied, hydraulic release, wet disc brake	

## DIGGING DRIVE

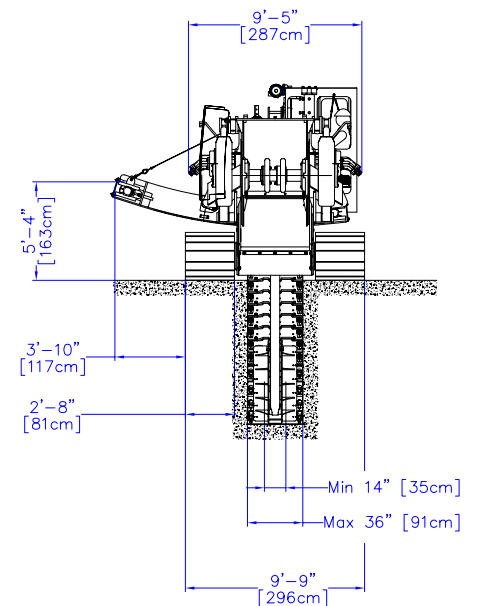
	US	METRIC
Drive	Hydrostatic, two pumps and two motors	
Flywheel gearboxes	Shaved, helical gearing, case hardened for shock load	
Digging speed ranges	0 - 500 fpm	0 - 152 m/min
Digging chain	Tesmec single strand with 4.5" (11.4 cm) pitch chain, "K" style and D6 for the double boom only	
Digging chain adjustment	Hydraulic	
Digging chain boom top roller	Yes	
Cutters	Rotary carbide tipped	
Cutters shank diameter	1/2"	3.81 cm
Cutters gage	3"	7.62 cm
Materials packaging	Roll-on/Roll-off Dumpster and ground spilling	

## CROSS CONVEYOR SYSTEM

	US	METRIC
Conveyor belt speed	0 - 750 fpm	0 - 229 m/min
Conveyor reversible and shiftable	Yes	Yes
Conveyor discharge direction	Right or left	Right or left
Conveyor belt width	2' 3"	69 cm
Conveyor length	11'	335 cm



BOOM	"A"	"B"
4'	4' [123 cm]	32'- 5" [988 cm]
6'	6' [183 cm]	34'- 8" [1057 cm]
8'	8' [244 cm]	36'- 11" [1125 cm]
10'	10' [305 cm]	39'- 2" [1194 cm]



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