

# 1150EVO CHAINSAW



The Tesmec 1150 EVO Chainsaw Trencher is a specialized machine meticulously crafted for trenching tasks, particularly tailored to serve midsize pipelines and underground utilities.

With a weight rating of 60 metric tons and an advanced TrenchTronic 5.0 system, this trencher boasts state-of-the-art capabilities. Propelled by a robust 451 horsepower engine, it can delve as deep as 12 feet and craft trenches as wide as 42 inches. Its standout feature hinges on its capacity to harmonize substantial chain pull with a controlled chain speed, a feat achieved through upgraded flywheel gearboxes. This distinctive technology, known as EVO, ensures outstanding performance even on challenging and abrasive rock surfaces. Consequently, the 1150 EVO Chainsaw Trencher not only enhances productivity but also curtails wear and tear on its cutting teeth, ultimately leading to reduced maintenance costs.

## STATE OF THE ART TECHNOLOGY

**TrenchTronic 5.0 (standard)** Electronic control with operator selectable digging pressure, fully automatic operation, and remote diagnostic system.

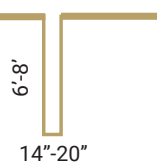
**Re.M (Standard)** The remote monitoring system with machine data remote monitoring, fleet location management, troubleshooting information and operating conditions

**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.

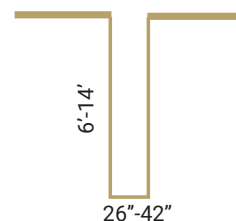
**SmartTracker (Optional)** Automatically collects as built data while the machine is trenching, avoiding survey stakeout and achieve the complete digitalization of the jobsite

## TRENCHING DIMENSIONS

### SINGLE CHAIN BOOM



### DOUBLE CHAIN BOOM



## TRANSPORT DIMENSIONS

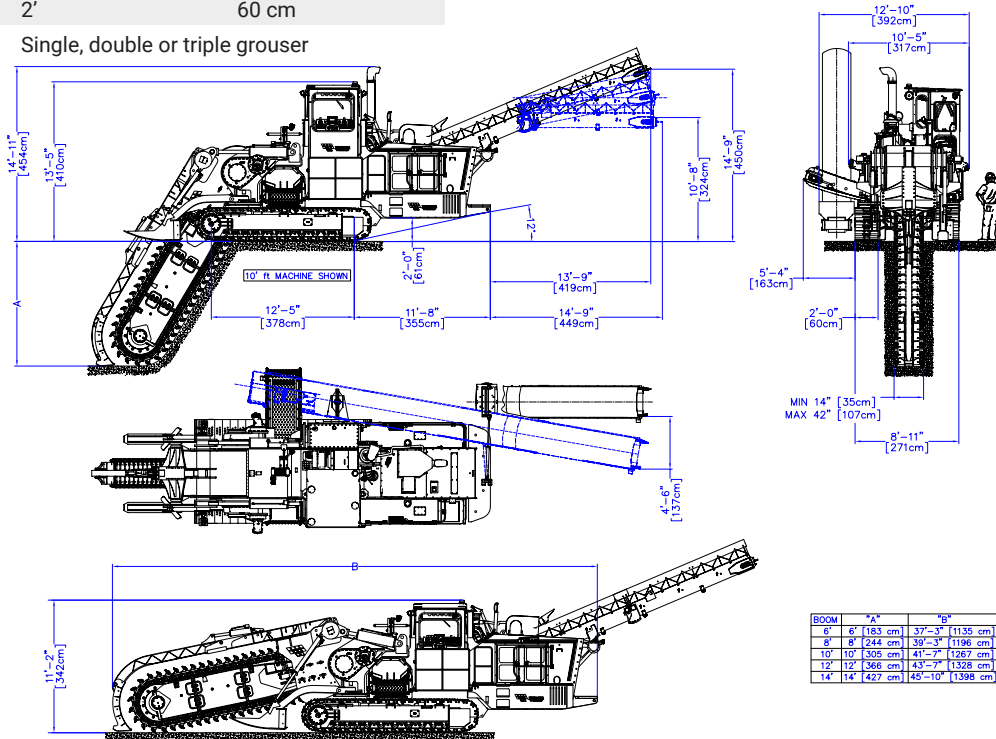
	US	METRIC	
Length	6 ft boom	37' 3"	1.135 cm
	8 ft boom	39' 3"	1.196 cm
	10 ft boom	41' 7"	1.267 cm
	12 ft boom	43' 7"	1.328 cm
	14 ft boom	45' 10"	1.398 cm
Width	10' 5"	317 cm	
	removing digging motors	9' 3"	280 cm
Height	11' 2"	342 cm	
Weight	100,300 - 126,610 lbs	45.500 - 57.200 Kg	
Ground pressure	14.5 - 18.2 psi	1.02 - 1.27 kg/cm2	

## ENGINE

	US	METRIC
<b>Model and Max HP (kW)</b>		
Tier 4/Stage V Cummins X12	451 HP (336 kW)	451 HP (336 kW)
Tier 3 CAT C13 ACERT	440 HP (328 kW)	440 HP (328 kW)
<b>Max no load rpm</b>		
Tier 4/Stage 5	1,850 RPM	1.850 RPM
Tier 3	2,100 RPM	2.100 RPM
<b>Fuel tank capacity</b>		
Tier 4/Stage 5	358 gal	1.355 L
Tier 3	324 gal	1.230 L
<b>Fuel consumption (at full load)</b>		
Tier 4/Stage 5	21.5 gal/hr	81 L/hr
Tier 3	23 gal/hr	87 L/hr
<b>AD Blue/DEF consumption</b>		
Tier 4 / Stage V	0.85 gal/hr	3.24 L/hr
Cooling rating	122°F ambient air	50°C ambient air
Air cleaner	Dry type, pre cleaner and auto dust ejection	

## TRACKS

	US	METRIC
Track chain type	38/320	
Track length	12' 5"	378 cm
Track pad width	2'	60 cm
Track pad type	Single, double or triple grouser	



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

## 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 - 2.05 mph	0 - 3.3 km/h
Low range	0 - 0.93 mph	0 - 1.5 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 - 285 fpm	0 - 87 m/min
	0 - 360 fpm	0 - 110 m/min
	0 - 455 pfm	0 - 139 m/min
	0 - 555 fpm	0 - 169 m/min
Digging chain	54/345	
Digging chain adjustment	Hydraulic	
Digging chain boom top roller	Yes	
Cutters	Rotary carbide tipped	
Cutters shank diameter	1 - 1/2"	3.81 cm
Cutters gage	3"	7.62 cm

## CONVEYOR SYSTEM

	US	METRIC
Reversible and shiftable	Yes	Yes
Conveyor belt speed	0 - 750 fpm	0 - 229 m/min
Conveyor discharge direction	Right or left	Right or left
Conveyor belt width	2' 6"	76 cm
Conveyor length	11' 11"	363 cm
Discharge height	5' 11"	181 cm