

1150EVO DYNAMIC DRIVE



Tesmec 1150EVO Dynamic Drive is a 55 metric ton-class surface miner, featuring a 451 HP (336 kW) Tier 4/Stage V engine, or a 440 HP (328 kW) Tier 3 engine, employed in the surface mining of weak to medium-hard rock

STANDARD FEATURES

Productivity Achieve maximum productivity with 1150EVO tractor and Dynamic Drive attachment, offered as standard with drum cover, TrenchTronic and Re.M. It works in up cutting configuration.

Modularity Exploit 1150EVO modularity. This model is available also with a Chainsaw, Rocksaw and Rockhawg attachment, making it the ideal solution for multiple applications. Through the swap kit it is possible to change the machine backend and use it for other projects.

Safety in cab Experience the safety of the pressurized cab with air conditioning, heating and sound suppression. This is elevating with ROPS and FOPS, as well as compartment security locks.

OPTIONAL FEATURES

- Air compressor, automatic greasing kit, security kit and work light package
- TrenchIntel (3DGPS system)
- Rubber track pads
- Remote control for maintenance
- Swap kits to Chainsaw, Rocksaw and Rockhawg attachment

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.

TRENCHING DIMENSIONS

UP CUTTING



TRANSPORT DIMENSIONS

	US	METRIC
Lenght		
with drum	33' 6"	1022 cm
without drum and boom	25' 6"	777 cm
Width		
with drum	12' 0"	366 cm
without drum and digging motors	9' 3"	280 cm
Height	11' 2"	342 cm
Weight	114,600 - 119,000 lbs	52.000 - 54.000 Kg
Ground pressure	16.5 - 17.2 psi	1.17 - 1.20 kg/cm2

ENGINE

	US	METRIC
Model and Max HP (kW)		
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)
Max no load rpm		
Tier 4/Stage 5	1,850 RPM	1.850 RPM
Tier 3	2,100 RPM	2.100 RPM
Fuel tank capacity		
Tier 4/Stage 5	358 gal	1.355 L
Tier 3	324 gal	1.230 L
Fuel consumption (at full load)		
Tier 4/Stage 5	21.5 gal/hr	81 L/hr
Tier 3	23 gal/hr	87 L/hr
AD Blue/DEF consumption		
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	42/325	
Track lenght	12' 5"	378 cm
Track pad width	2'	60 cm
Track pad type	Triple grouser (single or demi grouse available as option)	

CRAWLER DRIVE

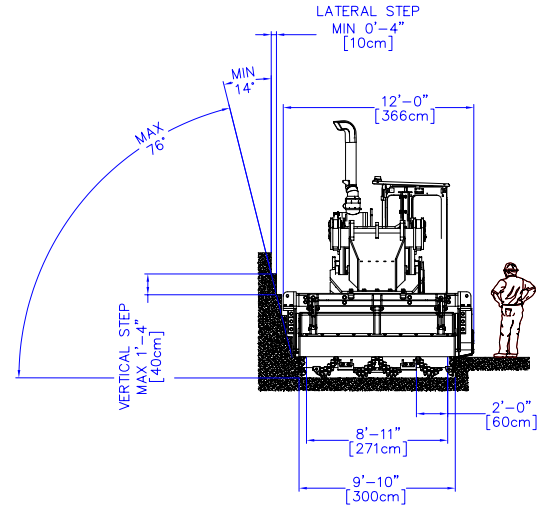
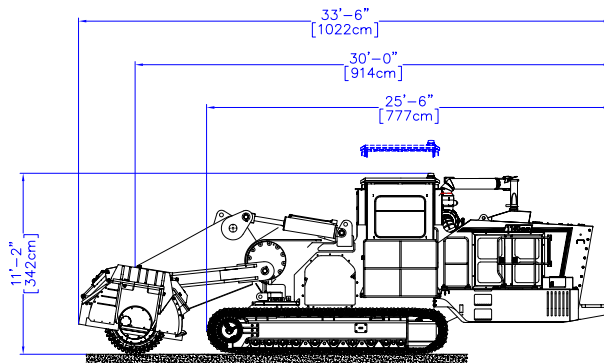
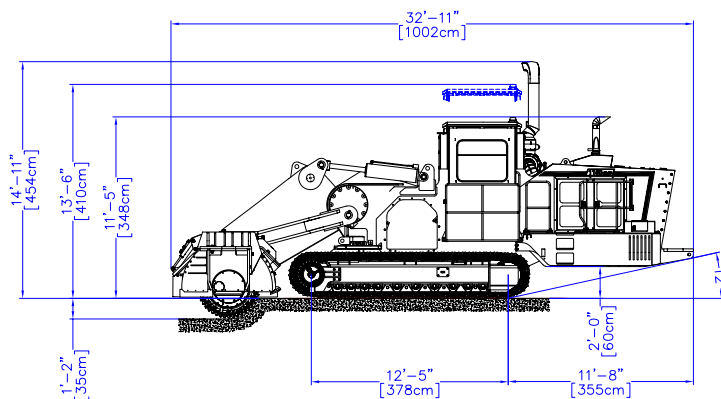
	US	METRIC
Drive	Dual path, hydrostatic, planetary transmissions	
	Full counter rotation with single lever steering	
Infinitely variable speed	Forward and reverse	
High range	0 - 2.05 mph	0 - 3.3 km/h
Low range	0 - 0.93 mph	0 - 1.5 km/h
Parking and service brake	Spring applied, hydraulic release, wet disc brake	

DIGGING DRIVE

	US	METRIC
Drive	Hydrostatic, two pumps and one motors*	
* Planetary Gearbox integrated in the cutting drum, final drive of a 100% hydraulic power system		
Digging speed ranges	0 - 560 fpm	0 - 171 m/min
	0 - 675 fpm	0 - 206 m/min
	0 - 810 pfm	0 - 247 m/min
	0 - 990 fpm	0 - 302 m/min
Cutters	Rotary carbide tipped	
Cutters shank diameter	1" 1/2	3.81 cm
Cutters gage	3"	7.62 cm

CONVEYOR SYSTEM

	US	METRIC
Not available in this configuration		



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

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