

CITYCLEANFAST



Tesmec City Cleanfast is the perfect solution for deploying fiber optic networks with exceptional efficiency, especially in urban areas and along roadways

It features a high-performance trencher designed for the cost-effective, clean and rapid installation of fiber and conduit networks. Equipped with an axially driven cutting wheel, it can simultaneously trench and vacuum, even when dealing with curved trenching. This ensures a clean job site and minimizes excavated debris due to the narrow wheel and a vacuum system that prevents material from being expelled during trenching. Tailored for urban micro trenching, the City Cleanfast comes with an onboard vacuum system, enabling both trenching and suction at the same time.

This innovative design also includes a sound - proofed shroud (minimizing disruptions to nearby residents), a 4-directional wheel system for excellent maneuverability, a tilting wheel for vertical trenching, and the added advantage of requiring only one trained person to operate the remote-controlled machine. City Cleanfast delivers an efficient and eco-friendly solution for various network installations, making it the ideal choice for urban and roadway projects.

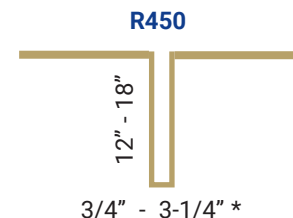
STATE OF THE ART TECHNOLOGY

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

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

Smart tracker (optional) Automatically collects as-built data while the machine is trenching, avoiding survey stakeout and achieve the complete digitalization of the jobsite

TRENCHING DIMENSIONS



* Width up to 2-3/4": PDC wheel recommended
Width 3" and over: Carbide wheel recommended

TRANSPORT DIMENSIONS

	US	METRIC
Lenght	25' 5"	774 cm
Width	5' 7"	170 cm
Height	8' 10"	265 cm
Weight	19.460 lbs	8.830 Kg

ENGINE

	US	METRIC
Model and Max HP (kW)		
Tier 4/Stage V PERKINS 1204J-E44TA	142 HP (105 kW)	142 HP (105 kW)
Max no load rpm		1.850 RPM
Fuel consumption	4 gal/h	15 L/h
Fuel tank capacity	42.3 gal	160 L
AD Blue/DEF consumption	0.16 gal/h	0.6 L/hr
Cooling rating	118°F ambient air	48°C ambient air
Air cleaner	Dry type, 2 stages with dual pre-cleaner	

CARRIER DRIVING

	US	METRIC
Road mode with one driving operator in the cab	0 - 9.37 mph	0 - 15 km/h
Transfer mode with remote control		
hare speed	0 - 98.4 fpm	0 - 30 m/min
turtle speed	0 - 24.6 fpm	0 - 7.5 m/min
snail speed	0 - 12.5 fpm	0 - 3.8 m/min
Transmission	Hydrostatic 2 x 2 driving wheels	
Modes		
2 steering wheels	Road / transfer / work modes	
4 steering wheels	Road / transfer / work modes	
Crab	Road / transfer / work modes	
Front axle	Oscillating	
Rear axle	Fixed	
Wheels		
Pneumatics	Full anti puncture	
Rims	7.5x20"	19x51 cm

DIGGING DRIVE

	US	METRIC
Drive	Hydrostatic, one pump and one motor	
Digging speed ranges	0 - 1024 fpm	0 - 312 m/min
	0 - 1122 fpm	0 - 342 m/min
	0 - 1181 fpm	0 - 360 m/min

Digging wheel	Single wheel	
Cutters	Rotary carbide tipped	
Cutters shank diameter	7/16"	1.12 cm
Cutters gage	1" 1/8	2.8 cm

DIGGING DRIVE

	US	METRIC
Turbine		
Flow	311.475 - 381.398 ft3/h	8.820 - 10.800 m3/h
Flow to 3300 rpm	330.545 ft3/h	9.360 m3/h
Depression	1.26 - 1.72 psi	8.700 - 11.900 Pa
Suction hose	Ø5.9"	Ø150mm

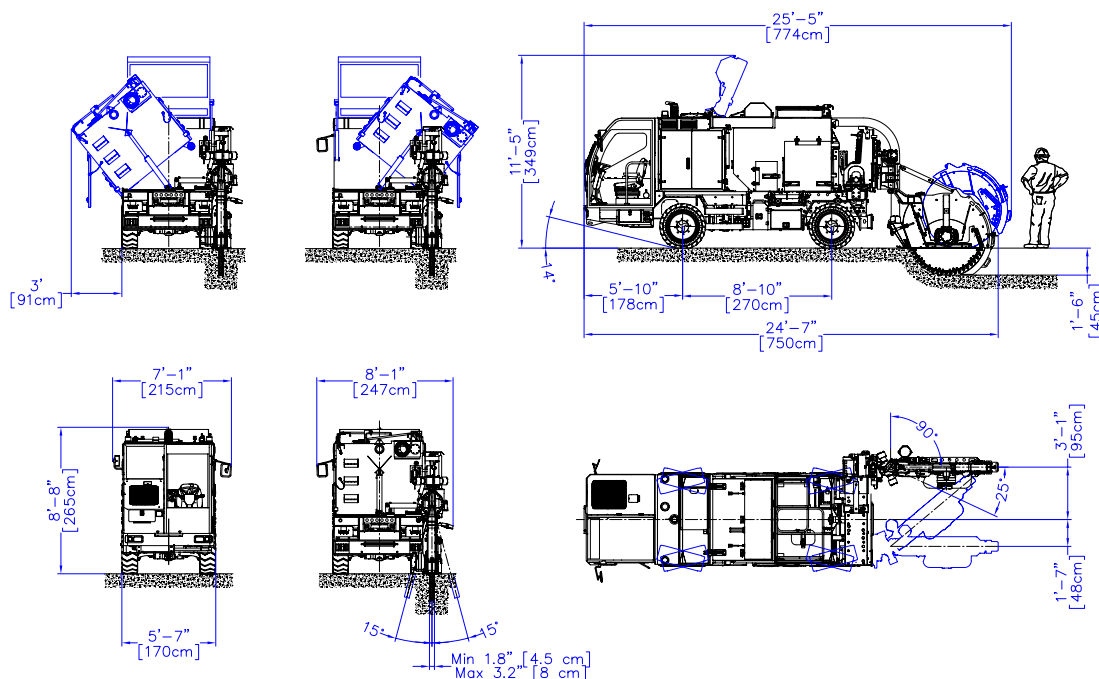
Air filtration		
Dust filters	Quantity: 21	
Emptying of delicate dust	Access doors left and right on tank	
Maintenance	Access from the top of the tank	

Filtered air discharge		
Cycle	Continuously	
Circuit	Through soundproof duct then in rooftop air	

Disclogging		
Type	OFF Line (Stop turbine) by compressed air flow	
Cycle	Manual start on remote control	
Cycle duration	1 min	
Air compressor	Flow 211 gal/min (800 L/min) - Pressure 145 Psi (10 bar) max	

Tank		
Capacity	264 gal (1 m3 gal) usable	
Materials emptying	Left or right lateral spill	

Materials packaging		
Bigbag	264 gallons or 3306 lbs (1 m3 or 1500 Kg) usable	
Ampliroll skip		



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

TESMEC
draw the way forward