

CITY CLEANFAST



Tesmec CityCleanfast is a 10 metric ton-class trencher featuring a 142 HP (105 kW) engine conceived for a clean and fast deployment of fiber optic in urban environments.

STANDARD FEATURES

Productivity Exploit the productivity of CityCleanfast with R450AC axially driven trenching wheel, featuring an hydraulic offset of 95 cm (3' 1") right and 48 cm (1' 7") left, +/- 15° hydraulic tilt (rotation about horizontal axis) and 90° right and 25° left of hydraulic pivot (rotation about vertical axis). These are offered as standard with open cabin, detection radar for collision avoidance, manual distributor, working lights, crumbshoe, side chests and TrenchTronic.

Suction base Cleanfast allows to simultaneously trench, vacuum out and collect the excavated material, also in curves and sidewalks in different soil types (concrete, asphalt, rock).

Remote control 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

- Closed cabin
- Telescopic arms bigbag support
- Kit Camera
- Bigbag 1 m3, Dumpster 1 m3
- Re.M
- Smart Tracker

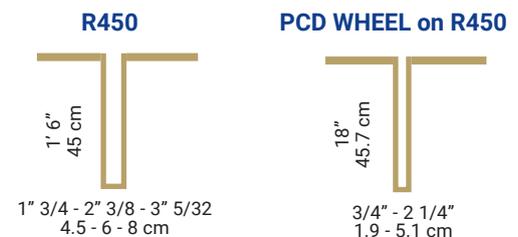
STATE OF THE ART TECHNOLOGY

TrenchTronic The remote control with machine data remote monitoring, fleet location management, troubleshooting information and operating conditions

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 stakeout and achieve the complete digitalization of the jobsite

TRENCHING DIMENSIONS



TRANSPORT DIMENSIONS

	METRIC	US
Lenght	774 cm	25' 5"
Width	170 cm	5' 7"
Height	265 cm	8' 8"
Weight	9.740 Kg	21.473 lbs

ENGINE

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

CARRIER DRIVING

	METRIC	US
Road mode with one driving operator in the cab	0 - 15 km/h	0 - 9.37 mph
Transfer mode with remote control		
hare speed	0 - 30 m/min	0 - 98.4 fpm
turtle speed	0 - 7.5 m/min	0 - 24.6 fpm
snail speed	0 - 3.8 m/min	0 - 12.5 fpm
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	19x51 cm	7,5x20"

DIGGING DRIVE

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

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

SUCTION BASE

	METRIC	US
Turbine		
Flow	8.820 - 10.800 m3/h	311.475 - 381.398 ft3/h
Flow to 3300 rpm	9.360 m3/h	330.545 ft3/h
Depression	8.700 - 11.900 Pa	1,26 - 1,72 psi
Suction hose	Ø150mm	Ø5.9"

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

Dislogging

Type	OFF Line (Stop turbine) by compressed air flow
Cycle	Manual start on remote control
Cycle duration	1 min

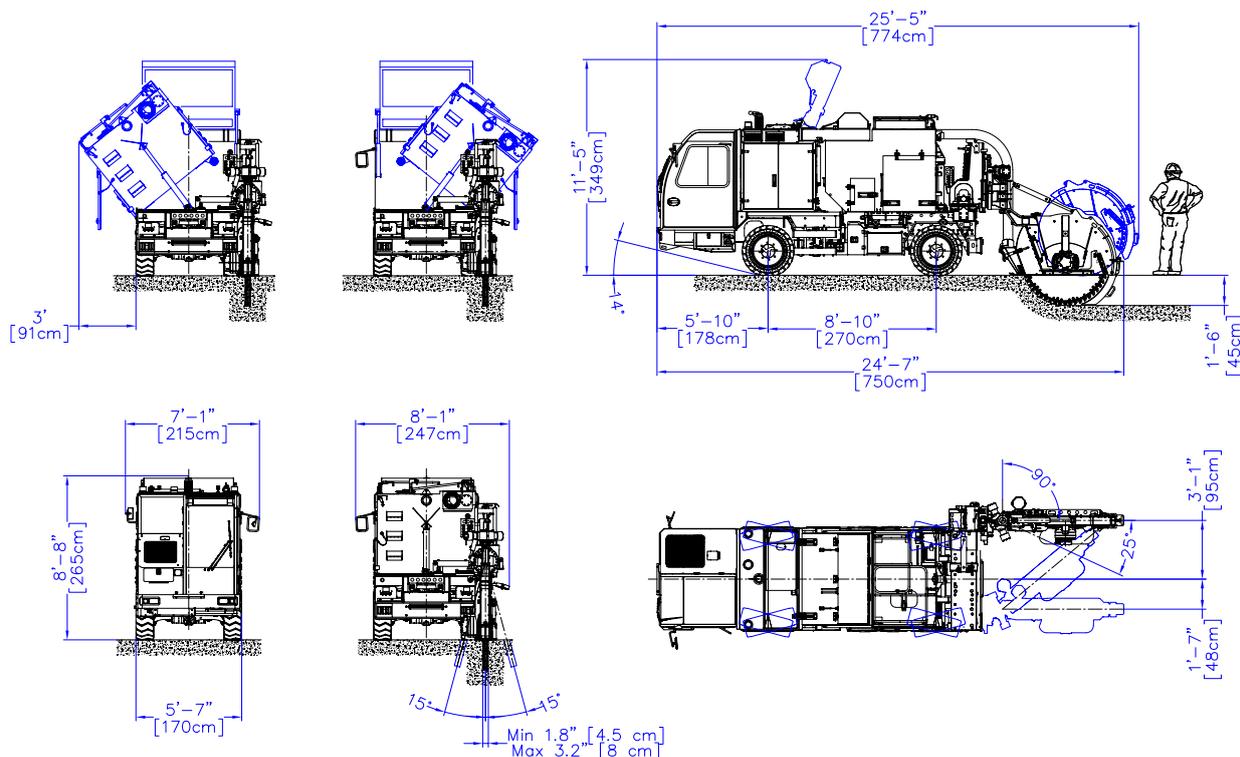
Air compressor	Flow 800 L/min (211 gal/min) - Pressure 10 bar max (145 Psi max)
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Tank

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

Materials packaging

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



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

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