

CLEANFAST



Tesmec Cleanfast was designed and manufactured to specifically adhere to all U.S. specifications for road work while complying with stringent environmental regulations.

This equipment incorporates state-of-the-art technologies, offering the convenience of remote-control operation, ensuring safe and precise trenching for fiber and conduit cable installations. With its innovative trenching capabilities and user-friendly interface, Cleanfast streamlines the process by combining trenching and vacuuming in a single pass, minimizing environmental impact and expediting traffic and pedestrian flow. By bolstering productivity and contributing to the evolution of a cleaner and more robust infrastructure network, Cleanfast exemplifies the future of micro-trenching solutions.

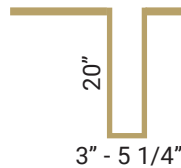
STATE OF THE ART TECHNOLOGY

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

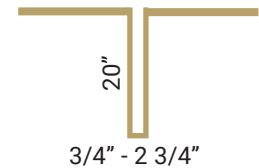
Smart tracker (optional) Automatically collects as-built data while the machine is trenching, avoiding survey stakeout and achieve the complete digitalization of the jobsite

TRENCHING DIMENSIONS

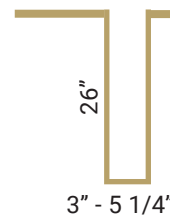
R500



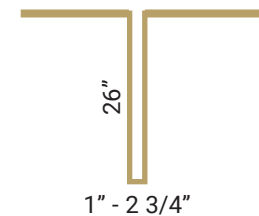
R500 PCD



R670



R670 PCD



TRANSPORT DIMENSIONS

	US	METRIC
Lenght	37' 3"	1136 cm
Width	8' 6" (102")	250 cm
Height	12' (144")	360 cm
Weight		
R670AC	55,300 lbs	25.100 kg
R500	55,100 lbs	24.900 kg

ENGINE

	US	METRIC
Model and Max HP (kW)		
VOLVO VHD TRIDEM 8X6 D13 6	425 HP (317 kW)	425 HP (317 kW)
Max no load rpm	1.400 RPM	1.400 RPM
Fuel tank capacity	150 Gallons	570 L
Air cleaner	113°F ambient air	45°C ambient air

CARRIER DRIVING

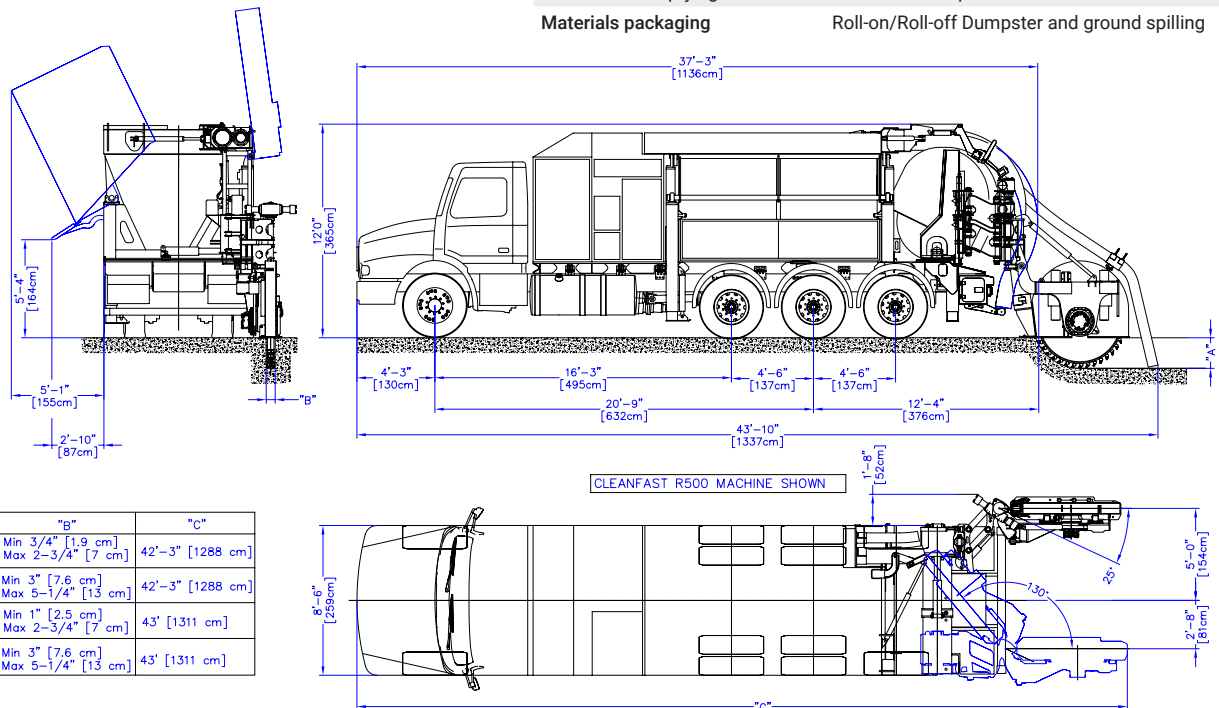
	US	METRIC
Road mode with one driving operator in the cab - Cruise speed	58 mph	93 km/h
Road mode with one driving operator in the cab - Max speed	65 mph	104 km/h
Work mode max	1700 ft/hr	0.5 km/hr
Transmission		
Gear box	Eaton 10 speed Fuller RTO-16908LL	
Torque	1599 lbs-ft	2168 Nm
Axle	Double reduction tandem	
Axle ratio	4.55	
Suspensions	Pneumatics	
Wheels		
Front tires	315/80 R22.5L	315/80 R22.5L
Rear tires	11/0 R22.5G	11/0 R22.5G
Trailed axle tires	11/0 R22.5G	11/0 R22.5G
Rims	Steel	

DIGGING DRIVE

	US	METRIC
Drive	Hydrostatic, one pump and one motor	
Digging speed ranges	R500	0 - 754 fpm 0 - 784 fpm 0 - 827 fpm
	R670	0 - 944 fpm 0 - 980 fpm 0 - 1035 fpm
Digging wheel	Single wheel	2.5"
Cutters	PCD	
Cutters shank diameter	9/16"	1.4 cm
Cutters gage	1" 1/4	3.2 cm

SUCTION BASE

	US	METRIC
Turbine		
Flow	720.419 Ft ³ /h	20.400 m ³ /h
Depression	1.43 psi	9.870 Pa
Mein suction hose	Ø9.84"	Ø250mm
Secondary suction hose	Ø5.9"	Ø150mm
Air filtration		
Dust filters	Quantity: 40 (39.37 in + / 23.62 in)	
Emptying of delicate dust	By the bottom of dumpster during the spilling	
Maintenance	Access from the roof of the dumpster	
Filtered air discharge		
Cycle	Continuously	
Circuit	Through soundproof duct then in rooftop air	
Declogging		
Type	OFF Line (Stop turbine) by compressed air flow	
Cycle	Manual	
Cycle duration	1 min 40 s	
Air compressor	Flow 528 gal/min - Pressure 145 Psi max	
Dumpster		
Capacity	1,453 gallon	5.5 m3 usable
Materials emptying	Left lateral spilling with deflector on dumpster and ground clearance of 1,60 m (5,25 Ft)	
Materials emptying assistance	Shaker on Dumpster	
Materials packaging	Roll-on/Roll-off Dumpster and ground spilling	



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