

CLEANFAST



Tesmec Cleanfast is a 25 metric ton-class trencher featuring a 420 HP (309 kW) engine conceived for a clean and fast deployment of fiber optic and electric networks in urban and motorway environments.

STANDARD FEATURES

Productivity Exploit the productivity of Cleanfast with R500AC and R600AC axially driven trenching wheels, featuring an hydraulic offset of 154 cm (5' 0") right and 81 cm (2' 8") left. These are offered as standard with security kit 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

- Re.M
- Smart Tracker

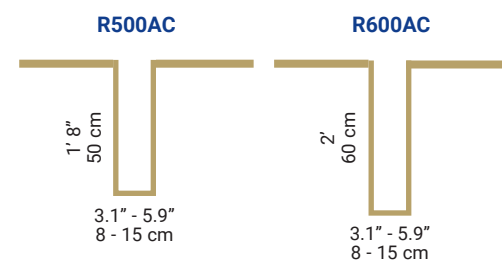
STATE OF THE ART TECHNOLOGY

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
Length	1095 cm	35' 11"
Width	250 cm	8' 2"
Height	358 cm	11' 9"
Weight		
R600AC	25.800 Kg	56.800 lbs
R500AC	25.960 Kg	57.200 lbs

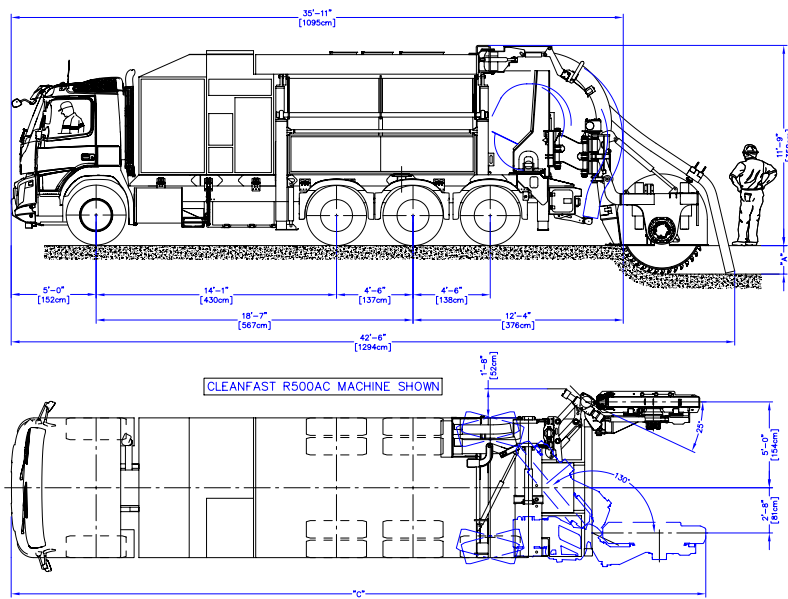
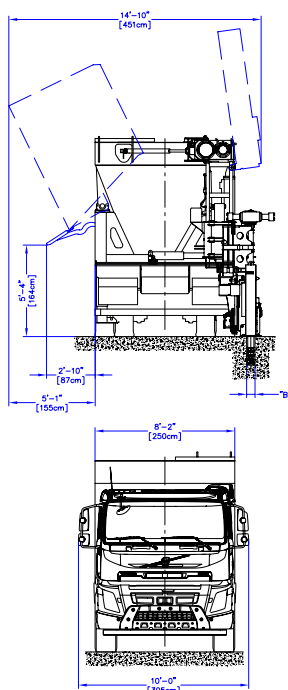
ENGINE

	METRIC	US
Model and Max HP (kW)		
VOLVO D13 EURO 6 SCR + DPF	420 HP (309 kW)	
Max no load rpm	1 400 - 1 700 RPM	
Fuel tank capacity	610 L	161 gal
Air cleaner	45°C ambient air	113°F ambient air

CARRIER DRIVING

	METRIC	US
Road mode with one driving operator in the cab	90 km/h	56 mph
Work mode with one driving operator in the cab	0 - 650 m/h	0 - 0.4 mph
Transmission		
Gear box	Reinforced 12 speed I-Shift Robot	
Torque	2600 Nm	1918 lbs-ft
Axle	Double reduction tandem	
Axle ratio	4,55	-
Last steering rear axle	38 km/h	23.6 Mph
Suspensions	Pneumatics	
Wheels		
Front tires	385/65R22,5	15.2"/65 R22.5"
Rear tires	315/80R22,5	12.4"/80 R22.5"
Trailed axle tires	385/65R22,5	15.2"/65 R22.5"
Rims	Steel	

TOOL	"A"	"B"	"C"
R500AC	1'-8" [50 cm]	Min 3.1" [8 cm] Max 5.9" [15 cm]	40'-8" [1243 cm]
R600AC	2' [60 cm]	Min 3.1" [8 cm] Max 5.9" [15 cm]	41'-4" [1261 cm]



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

DIGGING DRIVE

	METRIC	US
Drive	Hydrostatic, one pump and one motor	
Digging speed ranges R500AC	0 - 300 m/min	0 - 938 fpm
	0 - 330 m/min	0 - 984 fpm
	0 - 360 m/min	0 - 1.023 fpm
R600AC	0 - 300 m/min	0 - 984 fpm
	0 - 330 m/min	0 - 1.083 fpm
	0 - 360 m/min	0 - 1.181 fpm
Digging wheel	Single wheel	2.5"
Cutters	Rotary carbide tipped	
Cutters shank diameter	2 cm	13/16"
Cutters gage	4.8 cm	1.9"

SUCTION BASE

	METRIC	US
Turbine		
Flow	20.400 m3/h	720.419 Ft3/h
Depression	9.870 Pa	1.43 psi
Mein suction hose	Ø250mm	Ø9.84"
Secondary suction hose	Ø150mm	Ø5.9"
Air filtration		
Dust filters	Quantity: 40 (36 height 1000 mm / 39.37 in + 4 height 600 mm / 23.62 in)	
Emptying of delicate dust	By the bottom of skip during the spilling	
Maintenance	Access from the roof of the skip	
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	
Cycle duration	1 min 40 s	
Air compressor	Flow 2000 L/min (528 gal/min) - Pressure 10 bar (145 Psi) max	

Skip

Capacity	5,5 m3 usable
Materials emptying	Left lateral spilling with deflector on skip and ground clearance of 1,60 m (5,25 Ft)
Materials emptying assistance	Vibrator on skip

Materials packaging

Ampliroll skip	
Ground spilling	