

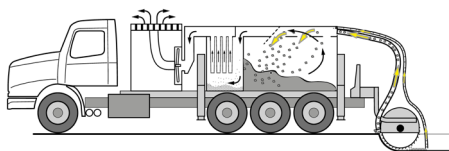
Cleanfast US



- Machine operating parameters
- Performance monitoring
- Asset localization + anti-theft
- Fleet management
- Diagnostics
- Maintenance scheduling



OPERATING PRINCIPLE



FEATURES AND APPLICATIONS

Cleanfast US is a versatile machine customized for American market to assure high productivity, high accuracy, limited disturbance to residents and quick restoration of the road. It's a performing trencher for a cost efficient, clean and fast deployment of fiber optic and electric networks in urban and motorway environments.

Cleanfast is a road vehicle designed in compliance with USA regulation, it's able to dig and simultaneously vacuum out and collect the excavated material, trenching in curves in different soil types. Cleanfast US assures a clean and dust-free job site, a reduced amount of excavated material produced with adapted narrow tools and no material or dust thrown out during earth work.



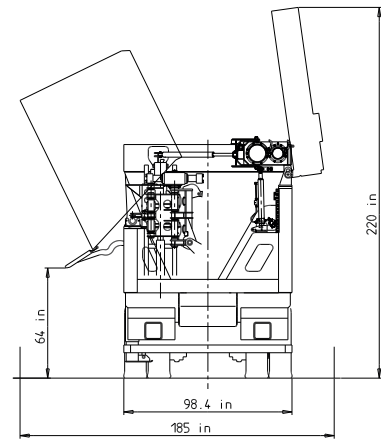
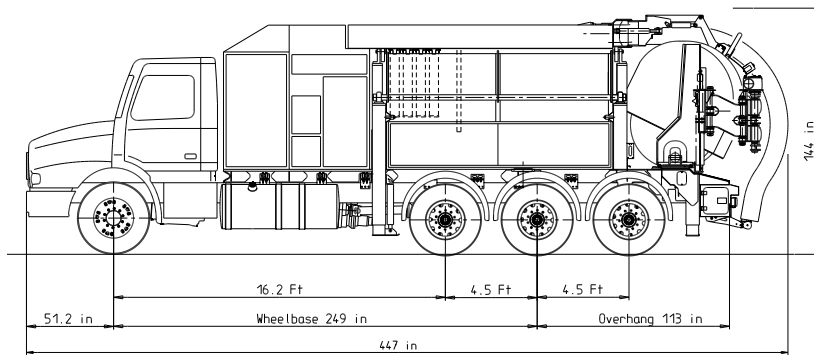
METROPOLITAN NETWORKS
INSTALLATION



OPTICAL FIBER INSTALLATION



ACCESS NETWORKS INSTALLATION
(TRENCHING OR TRENCHLESS)



CLEANFAST US TECHNICAL SPECIFICATIONS

Standard Features

Closed cabin: ergonomic for optimal visibility, seat with seatbelt, adjustable steering column, heating ventilation pack

Standards and certification: Department of Transportation (DOT)

Driving and trenching assistance: video surveillance system inside the cabin

Ergonomic remote control with operator presence function

Bank valve with manual over-ride allows emergency commands in fault conditions

Telescopic stabilizer: on the left side during the discharge phase of the dumpster

Tools compartments: 1 behind the cab + 2 left side

Electrical system: 12 V

Trenching Dimensions

R670AC WHEEL

Max depth.....26"

Standard width segments.....3-1/4", 4", 4-3/4", 5-1/8"

Machine

Carrier.....Volvo Tridem 8x6 Tier4

Engine.....Volvo D13 312 kW; 1599 lb-ft at 1050 rpm

Gearbox.....Manual, 10 speeds FULLER by EATON

Fuel tank capacity.....150 gal

DEF tank capacity.....18 gal

Rear suspensions.....pneumatics

Tires.....front: 315/80 R22.5 L rear: 11 R22.5 G

Operating and Transport Weight

Gross weight authorized on 4 axles*.....58500 lbs

Gross weight authorized on front axle*.....16000 lbs

Gross weight authorized on rear axle*.....42500 lbs

Max unloaded weight**.....53749 lbs

Max useful load authorized.....1852 lbs

Gross weight on front axle.....13192 lbs

Gross weight on rear axle.....42440 lbs

*According to USA federal law "Bridge law"

** Dependent on configuration and options

Trenching tool movement

Offset.....31-3/4" max, tool axis/machine axis

Extra offset.....11" max right side, tool axis/machine axis

Pivot.....25° left and 135° right to transport position, tool axis/machine axis

Axially driven by hydraulic motor on the left side

Evacuation of excavated material: by suction

Carrier driving

Road mode driving operator 1 sitting in cabin:

Cruise speed.....58 mph at 1630 rpm

Max speed.....65 mph at 1827 rpm

Drive mode:

hydrostatic drive speed.....0 to 65 mph

Work mode:

hydrostatic speed.....0 to 1700 ft/h

Hydraulic circuit

Three closed circuit pumps: hydrostatic transmission, suction turbine and trenching tool

Four gear service pumps

Two bank valves ON/OFF

Pressurized hydraulic oil tank:

Capacity.....53 gal

Pressurization.....3.62 Psi

Suction base

Turbine:

Flow.....720419 ft³/h

Depression.....1.43 psi

Main suction hose diameter.....9-7/8"

Secondary suction hose diameter.....5.9"

Air filtration:

Dust filters number: 40 (36 height 39.4" + 4 height 23.6")

Emptying of fine dust: by the bottom of dumpster during the spilling

Maintenance.....Access from the roof of the dumpster

Filtered air discharge:

Cycle.....continuous

Circuit.....through soundproof duct then in rooftop air

Dislogging:

Type.....OFF Line through compressed air flow

Cycle.....manual

Cycle duration.....1 min 40 s

Air compressor flow.....528 gal/min

Air compressor max pressure.....145 Psi

Dumpster:

Useful capacity.....1453 gal

Materials emptying: left lateral spill with deflector on dumpster and ground clearance of 5' 3"

Materials emptying assistance: shaker on dumpster

Materials packaging:

Roll on roll off dumpster

Ground spilling

Transport dimensions

Carrier wheelbase.....249"

Length without tool attachment.....426"

Length transport mode/work mode.....447"/549"

Width.....102"

Height transport mode/spilling mode.....144"/220"

Optional Equipment

R500AC WHEEL

Depth max.....19-5/8"

Width segments.....3-1/4", 4", 4-3/4", 5-1/8"

PCD DISK

Depth max.....9-7/8"

Width PCD disk.....1/2"-5/8"

Width Cutter bits disk.....1", 1-1/8", 1-3/8"

R600AC WHEEL

Depth max.....24"

Width segments.....3-1/4" 4" 4-3/4" 5-1/8"