

1075

TESMEC
Trencher

TrenchTronic

TrenchTronic 4.0
Electronic Control with:
Operator selectable digging pressure and automatic operation
Fully automatic operation
Remote diagnostic system

Re.M
Remote Monitoring Systems

Re.M
Remote Control with:
Machine data remote monitoring
Fleet location management
Troubleshooting information
Operating conditions



TRENCHING DIMENSIONS

7' ROCK
11"-16" BUCKET



7' DIRT
11"-28" BUCKET



8' DIRT
11"-16" BUCKET



FEATURES AND APPLICATIONS

The 1075 BW model has been designed as a high-productivity trencher for pipelines and utilities projects in dirt and light rocky soils. Its buckets can be equipped with conical or spade tools to ensure the maximum productivity according to the relevant ground conditions. TrenchTronic 4.0 equipped.



PIPELINE CONSTRUCTION



UNDERGROUND POWERLINES
INSTALLATION



LONG DISTANCE NETWORKS
INSTALLATION



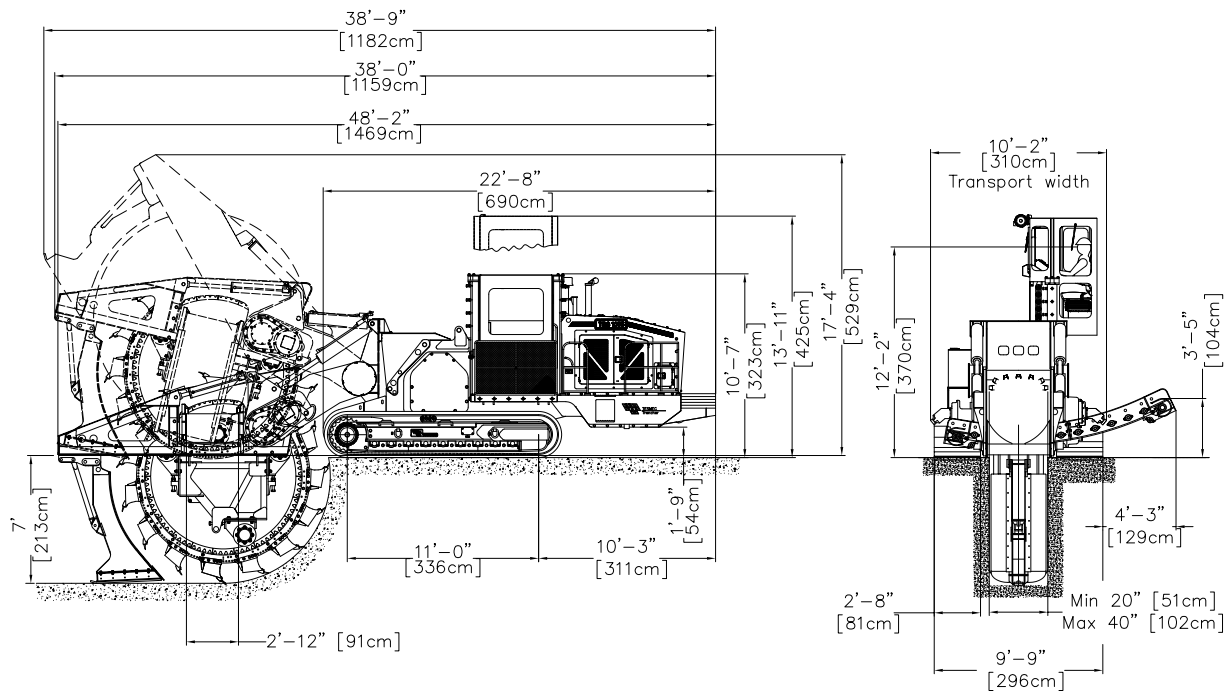
IRRIGATION WORKS



CHANNEL EXCAVATION



WATER AND SEWAGE NETWORKS
INSTALLATION



1075 BUCKET WHEEL TECHNICAL SPECIFICATIONS

Standard Features

Pressurized elevating ROPS cab with air conditioning, heating, sound suppression
 Load control: operator selectable digging pressure, automatic operation
 Electrical system: 24 V
 Tool box/battery box with locking doors
 Engine doors with security locks
 Fuel and Hydraulic Tanks: Aircraft quality looking caps
 Flywheel Gearboxes and Hydraulic Tanks : Pressurized with 5 PSI (0.3 bar) filtered breathers
 Flywheel Gearboxes : shaved, helical gearing, case hardened for extreme shock load

Trenching Dimensions

Digging depth, dirt.....7 ft (213 cm) (optional 8 ft (244 cm) with the Tescmec "Extended-Depth Buckets")
 Digging depth, rock.....7 ft (213 cm)
 Widths of cut: 7 ft-Dirt.....20" Min. (11" Bucket) to max. 40" (28" bucket) (51-102 cm)
 Widths of cut: 8ft-Dirt.....20" Min. (11" Bucket) to Max. 24" (16" Bucket) (51-61 cm)
 Widths of cut: 7ft-Rock.....20" Min. (11" Bucket) to 26" (16" Bucket) (51-66 cm)

Engine

HIGHLY REGULATED COUNTRIES (EU, USA)
 Model.....CAT C9.3B ACERT Tier4 USA/Stage V UE
 Max horsepower.....375 hp (280 kW)
 Max no load rpm.....2.000 rpm
 Fuel tank capacity.....195 gal (738 l)
 Urea tank capacity.....17.3 gal (65.6 l)
 Estimated max urea consumption at full load.....9% of fuel consumption
 Fuel consumption at full load....19.5 gal/hr (73.8 l/hr)
 Cooling rating adequate for 135° F (57.2° C) ambient air temperature
 Air cleaner: dry type, centrifugal precleaner with primary and secondary filters

LESSER-REGULATED COUNTRIES (EU, USA)

Model.....CAT C9 ACERT Tier3
 Max horsepower.....350 hp (261 kW)
 Max no load rpm.....2.000 rpm
 Fuel tank capacity.....195 gal (738 l)
 Fuel consumption at full load....17.9 gal/hr (67.8 l/hr)
 Cooling rating adequate for 135° F (57.2° C) ambient air temperature
 Air cleaner: dry type, centrifugal precleaner with primary and secondary filters

Operating and Transport Weight

Weight "Dirt".....83,000-92,000 lbs (37.647-41.730 kg)
 Weight "Rock"....87,000-90,000 lbs (39.462-40.823 kg)
 Ground pressure.....9.8-11 psi (0.69-0.77 kg/cm²)
 Note: dependent on configuration and options

Trencher Drive

Hydrostatic: two pumps and two motors capable of transmitting full engine horsepower
 Digging wheel speed.....0-11.5 rpm

Crawler Drive

Dual path, hydrostatic drive, planetary transmissions capable of full counter rotation with single lever steering, single lever direction
 Infinitely variable speed: forward and reverse
 • High range.....0-2.5 mph (0-4.0 km/hr)
 • Low range.....0-1.1 mph (0-1.7 km/hr)
 Integral parking brake: spring applied, hydraulic release, wet disc brake

Tracks

Overall track length.....11' (336 cm)
 Track pad type: single, double, or triple grouser
 Track chain type: Caterpillar 38/320
 Track pad width.....2' 8" (81 cm)

Hydraulic Transmission

Pressure and flow compensated (load sensing)
 Pump flow maximum.....45 gpm (170 l/min)
 Pressure setting.....2.750 psi (190 bar)
 Oil tank capacity.....104 gal (393 l)

Conveyor

Pressure and flow compensated pump with dual hydraulic drive motors
 Reversible and shiftable
 Beltspeed infinitely variable 0-1.000fpm(0-304.8m/min)
 Discharge direction: right or left
 Conveyor belt width.....2' 12" (91 cm)
 Conveyor length.....13' (396 cm)
 Discharge height.....3' 5" (104 cm)

Transport Dimensions

Length.....38' (1.159 cm)
 Width without digging motors.....9' 9" (296 cm)
 Width with digging motors.....10' 2" (310 cm)
 Height with crumbshoe.....10' 7" (323 cm) (over Cab with single grouser pads)
 (3-bottom buckets and 2-top buckets removed on "dirt set-up" & 3 and 3 on "rock set-up")

Main Available Devices

ALL001 Air compressor
 OPT011 Subscription for the Remote Asset Management (monitoring via GPRS) per year
 OPT012 Work light package
 OPT017 Slopers

For a complete devices list see the Available Devices chart