

300



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



TRENCHING DIMENSIONS

T400 ATTACHMENT

0-14"
 0-40 cm
 2.7"-6"
 7-15 cm

T650 NARROW ATTACHMENT

1'-22"
 30-65 cm
 2"-2.7"
 5-7 cm

T650 WIDE ATTACHMENT

1'-22"
 30-65 cm
 2.7"-6"
 7-15 cm

FEATURES AND APPLICATIONS

Compact Rock Saw trencher machine specially designed for fiber-optic projects in urban areas. This model features an offset digging back-end, tilting track system, and - as optional - an automatic cable laying system. It is remotely controlled.



UNDERGROUND POWERLINES
 INSTALLATION



METROPOLITAN NETWORKS
 INSTALLATION



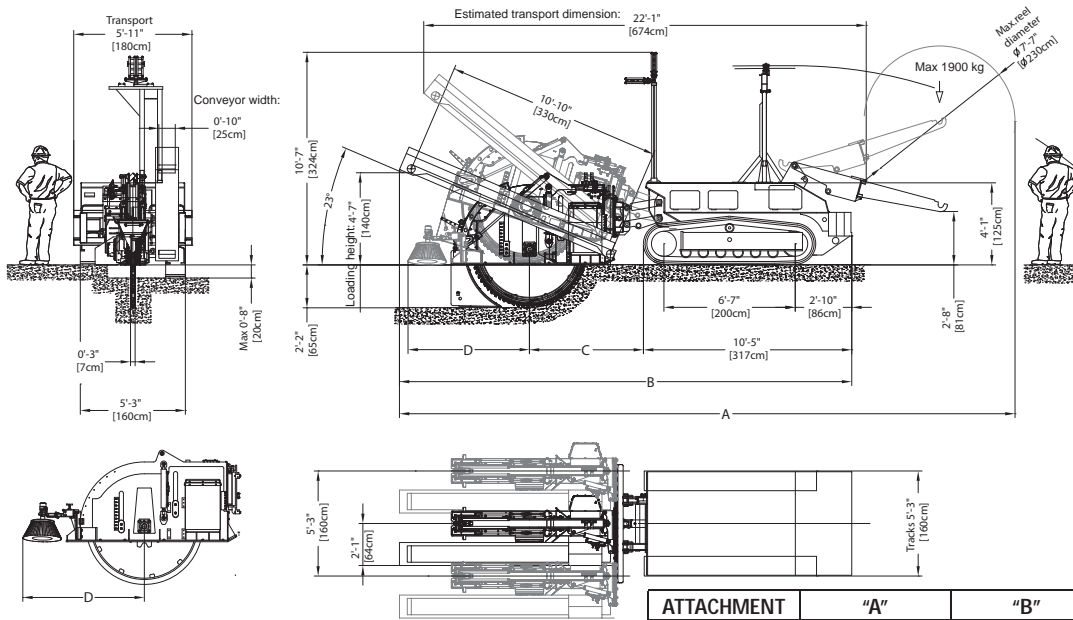
ACCESS NETWORKS INSTALLATION
 (TRENCHING OR TRENCHLESS)



OPTICAL FIBER INSTALLATION



UNDERGROUND CONNECTION
 NETWORKS INSTALLATION



ATTACHMENT	"A"	"B"	"C"	"D"
T400	*	*	4' 6" (138 cm)	3' 5" (106 cm)
T650 WIDE	30' 10" (940 cm)	22' 5" (682 cm)	6' 1" (186 cm)	6' 1" (186 cm)
T650 NARROW	30' 10" (940 cm)	22' 5" (682 cm)	5' 8" (173 cm)	4' 9" (151 cm)

* Dust conveyor not available with this attachment

300 ROCKSAW TECHNICAL SPECIFICATIONS

Standard Features

This system allows the operator to handle the necessary operations by remote control

The machine is equipped by variable tilt tracks (self-leveling) with a maximum range of 0' 8" (21 cm)

Rubber track pads

Hydraulic brush system to clean the edges of the trench (just for T650W and T400 attachments)

Floating RockSaw digging attachment with offset and transport tilt

Trenching Dimensions

T400 DIGGING ATTACHMENT

- Digging depth.....0-1'4" (0-40 cm)
- Digging width.....2.7"-6" (7-15 cm)

T650 NARROW DIGGING ATTACHMENT

- Digging depth.....1'-2'2" (30-65 cm)
- Digging width.....2"-2.7" (5-7 cm)

T650 WIDE DIGGING ATTACHMENT

- Digging depth.....1'-2'2" (30-65 cm)
- Digging width.....2.7"-6" (7-15 cm)

Note: ask to Tesmec Trenchers Technical Department for the max width at max depth configuration

Engine

Model.....Perkins 1104D-44T Tier 3

Max horsepower.....100 hp (74.5 kW)

Max no load rpm.....2.200 rpm

Fuel tank capacity.....31.7 gal (120 l)

Fuel consumption.....4.3 gal/hr (16 l/hr) at full load

Oil filter: full flow canister

Cooling medium liquid adequate for 115° F (46° C) ambient air temperature

Air cleaner: dry type 2 stages

Operating and Transport Weight

Weight.....19,842-22,046 lbs (9.000-10.000 kg)

Ground pressure.....10.8-12 psi (0.75-0.83 kg/cm²)

Note: dependent on configuration and options

Trencher Drive

Open circuit transmission with pressure flow power control

Radial piston fixed displacement motor

Rock wheel back-end with 13.5° pivoting system

Offset digging back-end hydraulically shiftable left right 23.6" (60 cm) from center line

The combination between the tilt tracks and the offset ability allows the machine to dig near or above sidewalks and road shoulder

Crawler Drive

Dual path, hydrostatic drive, planetary transmission capable of full counter rotation

Service and parking integral brake: spring applied hydraulic release, wet disc brake

Speed range:

High range.....0-1.69 mph (0-2.7 km/h)

Low range.....0-0.11 mph (0-1.8 km/h)

Hydraulic Transmission

Open circuit, pressure and flow compensated (Load Sensing)

Main circuit pumps with power control

Main circuit max flow.....26.41 gpm (100 l/min)

Max pressure.....4351 psi (300 bar)

Service pump

Max flow.....12.7 gpm (48 l/min)

Max pressure.....2.900 psi (200 bar)

Oil tank.....31.7 gal (120 l)

Transport Dimensions

Transport dimensions with automatic laying system:

T400 ATTACHMENT

.....29' 4" x 5' 11" x 9' 4" (895 x 180 x 285 cm)

T650 NARROW ATTACHMENT

.....not available

T650 WIDE ATTACHMENT

.....30' 10" x 5' 11" x 9' 4" (940 x 180 x 285 cm)

Transport dimensions without automatic laying system and counterweight:

T400 ATTACHMENT

.....18' 5" x 5' 11" x 5' 3" (561 x 180 x 159 cm)

T650 NARROW ATTACHMENT

.....21' 1" x 5' 11" x 7' 3" (642 x 180 x 220 cm)

T650 WIDE ATTACHMENT

.....22' 8" x 5' 11" x 7' 9" (690 x 180 x 235 cm)

Main Available Devices

ALL003 Side mounted truck-loading conveyor - not foldable and over transport dimension

OPT002 Fuel pump

OPT003 Water spray dust suppression system

OPT011 Subscription for the Remote Asset Management (monitoring via GPRS) per year

OPT020 Laying Box (light or heavy)

OPT021 Rollers

OPT022 Reel carrier

For a complete devices list see the Available Devices chart