

TRACSTAR[®] 412 SERIES 2 AUTOMATED

Fusion Capability for 110mm - 340mm (4" IPS to 12" DIPS)



OVERVIEW

The **TracStar[®] 412 Series 2 Automated** is a self-contained, self-propelled, track-mounted vehicle that butt fuses pipe sizes from 110mm to 340mm (4" IPS to 12" DIPS). Its redesign is based on feedback that came directly from the field.

The Coach[®] — a second-generation operator interface — provides automated control over each step of the fusion process with added control of a new self-retracting heater, which removes itself automatically to meet UK gas and water standards. It also features built-in data logging capability of each fusion joint which can be uploaded to the McElroy Vault[™] for safe storage, analysis and validation of pipeline integrity. The Coach is reverse-compatible on all TracStar sizes.

A new cowl design aids in heat dissipation while providing easier access when machine maintenance is required. An updated electrical system increases the circuit protection and a standard battery disconnect is now incorporated for easy lockout.

The TracStar 412 Series 2 fusion machines include an interchangeable 4-jaw carriage that can be easily removed for in-ditch fusions. For tight installations, the outer fixed jaw and skid can be removed from the carriage converting it to a 3-jaw carriage for an even more compact fusion unit.

FEATURES

- Patented Centerline Guidance System for equal distribution of force around the joint
- The Coach Pendant 2 for automated fusion functions*
- Self-contained, self-propelled, all-terrain
- Powered by a diesel engine
- Redesigned cowlings for better airflow and ease of maintenance
- Removeable 3- or 4-jaw carriage, heater and facer for efficient in-ditch setup
- On-board generator for powering the heater
- Battery disconnect for easy lockout
- Dual hydraulic pipe lifts for transferring pipe
- McElroy Vault compatible
- Hydraulic Clamping available
- Self-retracting heater available
- Meets British gas and water standards GIS/PL2-3, WIS 4-32-08

* The Coach[®] Pendant 2 is available in multiple languages including English, Spanish and French.

SPECIFICATIONS

CAPACITY

Fuses Pipe Sizes: 110mm - 340mm (4" IPS - 12" DIPS)

AUTOMATED MODELS

(Add HC to the end of the part number to purchase a machine equipped with a Hydraulic Clamping kit)

AT1223702: High Cylinder Force, On-Board Generator, Self-Contained Diesel Power

AT1223701: Medium Cylinder Force, On-Board Generator, Self-Contained Diesel Power

AT1223703: Low Cylinder Force, On-Board Generator, Self-Contained Diesel Power

AT1227901: Low Cylinder Force with Self-Retracting Heater

WEIGHT*

* Weight shown with fluids. HC adds 40 lbs. (18.1 kg) to 4-Jaw carriage configuration.

Machine: 969 Kg (2,136 lbs.)

Machine with Self-Retracting Heater: 1002 Kg (2,209 lbs.)

4-Jaw Carriage Configuration: 174.6 Kg (385 lbs.)

4-Jaw Carriage Configuration with Self-Retracting Heater: 228 Kg (502 lbs.)

3-Jaw Carriage Configuration: 102.1 Kg (225 lbs.)

Facer: 28.1 Kg (62 lbs.)

Heater: 10.9 Kg (24 lbs.)

HYDRAULICS

System Pressure: 137.90 BAR (2,000 PSI) Max.

Hydraulic Reservoir Capacity: 30.28 Liters (8 Gallons)

ENGINE

Engine Type: 20 HP liquid cooled

Fuel Type: Diesel

Fuel Tank Capacity: 18.92 Liters (5 Gallons)

Operational Tank Capacity: 8 Hours

Starting System: Electric

ELECTRICAL

Input: None, Self-Contained

POWER

Heater Power: 3,000 Watt

Facer Power: Hydraulic

CHASSIS

Frame: Welded steel construction

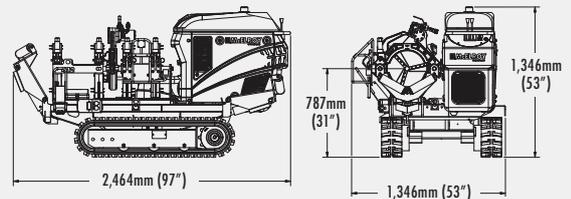
Brake: Self-Locking

MOBILITY

Tracked: Rubber crawler tracks

Transportation: Self-propelled

Vehicle Speed: 1.5 MPH Max.



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INCLUSIONS

The TracStar 412 Series 2 Automated includes fusion machine, facer, heater, insulated heater stand (on models without self-retracting heater), 12" IPS butt fusion inserts and lifting assembly. Specifications are subject to change without notice.