# TRACSTAR® 412*i*

4" IPS - 12" DIPS (110MM - 340MM)

MADE FOR

UNDERGROUND CONSTRUCTION

The TracStar® *i*Series technology is now available for medium diameter pipe sizes. The TracStar 412*i* incorporates the FusionGuide™ Control System seen on other TracStar *i*Series models, giving operators the choice of three levels of control during the fusion process. Each level has varying degrees of assistance, from manual control to fully automatic fusion.

Designed to butt fuse pipe sizes from 4” IPS to 12” DIPS (110mm to 340mm), the TracStar 412*i* offers a self-contained, self-propelled, track-mounted vehicle that can handle grades up to 30 percent. Its improved cowling design aids in heat dissipation, and its powerful diesel engine allows it to be used on jobsites where gasoline is not permitted.

Like other TracStar *i*Series machines, the TracStar 412*i* is controlled via the DataLogger®, McElroy’s ruggedized tablet that records fusion parameters and other pertinent data during the fusion process. The TracStar 412*i*’s enhanced guided workflow manages machine pressures, carriage, shift sequence, and more to ensure standards compliance and a successful fusion.

All required fusion operations, including machine pressures, carriage open/close, and shift sequence are controlled using the DataLogger®.

## ADDITIONAL IMAGES

## STANDARD FEATURES

- Self-contained, self-propelled, all-terrain
- Patented Centerline Guidance System for equal distribution of force around the joint
- Powered by a diesel engine
- On-board generator for powering heater
- Thrust-bearing-equipped clamp knobs to minimize force required to clamp and round pipe
- Removable 3- or 4-jaw carriage for in-ditch use
- Dual hydraulic pipe lifts aid in loading and unloading pipe
- Serrated jaws and inserts keep pipe from slipping during fusion
- Industry-standard semi-automatic hydraulic control system
- Redesigned cowlings for better airflow and ease of maintenance
- Battery disconnect for easy lockout
- 8+ hours operational fuel tank capacity
- Hydraulic Clamping available
- ISO-compliant industrial Teflon-coated heater plates
- Advanced blade design for smooth face and long life
- Self-locking brakes
- DataLogger compatible

5 YEAR WARRANTY

DataLogger COMPATIBLE

SEE SECOND PAGE FOR DETAILED SPECIFICATIONS

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McELROY

# TRACSTAR® 412*i*

4" IPS - 12" DIPS (110MM - 340MM)

## SPECIFICATIONS

### MODELS

| | |
|---|---|
| AT12P1011815 | High Force |
| AT12P1011819 | Medium Force |
| AT12P1011823 | Low Force |

### WEIGHTS

| | |
|---|---|
| Machine | 2,089 lbs. (947.6 Kg) |
| Vehicle | 1,765 lbs. (800.6 Kg) |
| Carriage | 585 lbs. (265.4 Kg) |
| Heater | 24 lbs. (10.9 Kg) |
| Facer | 62 lbs. (28.1 Kg) |
| Shipping Weight | 2,200 lbs. (997.9 Kg) |

### HYDRAULICS

| | |
|---|---|
| System Pressure | 2,300 PSI (158.6 BAR) |
| Fusion Pressure | 1,500 PSI (103.4 BAR) |
| Hydraulic Reservoir Capacity | 10 Gallons (37.9 Liters) |

### ENGINE

| | |
|---|---|
| Engine Horse Power | 20 HP |
| Engine Cooling | Liquid Cooling |
| Engine Fuel Type | Diesel |
| Engine Fuel Tank Capacity | 5 Gallons (18.9 Liters) |
| Engine Operational Fuel Tank Capacity | 8 Hours |
| Engine Starting System | Electric |

### POWER

| | |
|---|---|
| Heater | 3,000 Watts, 50 / 60 Hz, 1 Ph |
| Facer | Hydraulic |

### CHASSIS

| | |
|---|---|
| Frame | Welded steel construction |
| Brake | Self-locking |

### MOBILITY

| | |
|---|---|
| Mobility Type | Rubber crawler tracks |
| Transportation | Self-propelled |
| Vehicle Speed | 1.5 MPH |
| Lifting | Lift points and lifting assembly |
| Starting System | Electric |

### MACHINE DIMENSIONS

| | |
|---|---|
| Machine Length | 97.1" (2,466.3mm) |
| Machine Width | 55.6" (1,412.2mm) |
| Machine Height | 55.3" (1,404.6mm) |

### CARRIAGE DIMENSIONS

| | |
|---|---|
| Length | 44" (1,117.6mm) |
| Width | 43" (1,092.2mm) |
| Height | 29" (736.6mm) |

### INCLUDES

Fusion machine, facer, heater, DataLogger tablet, 12" IPS/DIPS Master Inserts and lifting assembly.

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