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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TRACSTAR® 412i

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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