

# TRACSTAR® 412 SERIES 2

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



## ABOUT TRACSTAR

Since 1997, McElroy has offered the TracStar line of pipe fusion machines which redefined mobility and productivity on jobsites throughout the industry. Each machine is self-contained with onboard power provided by a gasoline or diesel engine which eliminates the need for a separate generator. Mounted on self-propelled, independently controlled rubber tracks, the TracStar brings the best in all-terrain mobility to jobsites. They travel easily across mud, loose soil, snow and grades of up to 30%. Their rugged track systems feature a zero-degree turning radius while evenly dispersing the weight which keeps them from sinking into soft soil. Cranes are virtually eliminated because TracStars can be driven directly to and from the jobsite from the ramps of a trailer.

All TracStar machines are DataLogger® compatible with powerful hydraulic systems to help increase efficiency and multiple cylinder force options to fuse to any standard.

## TRACSTAR 412 SERIES 2

The TracStar 412 Series 2 shares a common vehicle with the 28, 250 and 618 range of TracStars and is powered by a diesel engine. It incorporates 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 and converted to a 3-jaw carriage for an even more compact fusion unit.

A Wireless Remote Control comes equipped on the TracStar 412 Series 2 which ensures a safe, efficient working environment and precise machine placement. A new cowling design makes it easy to access the machine for maintenance and also aids in heat dissipation. An updated electrical system increases the circuit protection and a standard battery disconnect is incorporated for easy lockout.

An Automated TracStar 412 Series 2 is also available which guides the operator through a step-by-step procedure for fusing pipe. This option provides automated control over the heat, soak, fuse and cool cycles.

## ADDITIONAL IMAGES



MADE FOR

UNDERGROUND  
CONSTRUCTION



## 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
- Standard Hydraulic Clamping
- Hydraulic pivoting facer
- Wireless Remote Control ensures safe efficient working environment and precise machine placement
- Industry standard semi-automatic hydraulic control system
- Dual-speed tracks
- 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



DataLogger  
COMPATIBLE

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## SPECIFICATIONS

MODELS		ENGINE		MACHINE DIMENSIONS	
<a href="#">AT1223601</a>	Medium Cylinder Force	Engine Horse Power	20 HP	Machine Length	97" (2,463.8mm)
<a href="#">AT1223602</a>	High Cylinder Force	Engine Cooling	Liquid Cooling	Machine Width	54" (1,371.6mm)
<a href="#">AT1223603</a>	Low Cylinder Force	Engine Fuel Type	Diesel	Machine Height	53" (1,346.2mm)
<b>WEIGHTS</b>		Engine Fuel Tank Capacity	5 Gallons (18.9 Liters)	Heater Extended Height	61" (1,549.4mm)
Machine	2,089 lbs. (947.6 Kg)	Engine Operational Fuel Tank Capacity	8 Hours	<b>CARRIAGE DIMENSIONS</b>	
Vehicle	1,620 lbs. (734.8 Kg)	Engine Starting System	Electric	Length	3-Jaw - 29" (736.6mm) 4-Jaw - 44" (1,117.6mm)
Carriage	3-Jaw - 282 lbs. (127.9 Kg) 4-Jaw - 442 lbs. (200.5 Kg)	<b>POWER</b>		Width	30" (762mm)
Heater	24 lbs. (10.9 Kg)	Heater	3,000 Watts, 50 / 60 Hz, 1 Ph	Height	27" (685.8mm)
Facer	62 lbs. (28.1 Kg)	Input Voltage Requirements	None, self-contained	<b>SHIPPING DIMENSIONS</b>	
Shipping Weight	2,200 lbs. (997.9 Kg)	AC Output	120V & 240V, 60Hz, 15 Amp	Length	90" (2,286 mm)
<b>HYDRAULICS</b>		Heater Plug type	DIN 49441	Width	60" (1,524 mm)
System Pressure	2,000 PSI (137.9 BAR)	Facer	Hydraulic	Height	63" (1,600.2 mm)
Fusion Pressure	1,500 PSI (103.4 BAR)	<b>CHASSIS</b>		<b>INCLUDES</b>	
Hydraulic Reservoir Capacity	8 Gallons (30.3 Liters)	Frame	Welded steel construction	Standard machine with operator-controlled fusion processes designed to meet regulations in the US and similar markets.	
		Brake	Self-locking	<b>Includes:</b> Fusion machine, facer, heater, insulated heater stand, 12" IPS butt fusion inserts and lifting assembly.	
		<b>MOBILITY</b>			
		Mobility Type	Rubber crawler tracks		
		Transportation	Self-propelled		
		Vehicle Speed	1.5 MPH		
		Lifting	Lift points and lifting assembly		
		Starting System	Electric		