# TRACSTAR® 412 SERIES 2

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

MADE FOR







#### 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







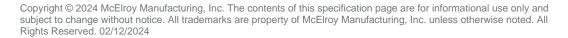


## STANDARD FEATURES

- 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
- 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









# TRACSTAR® 412 SERIES 2

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

#### **SPECIFICATIONS**

AT1223601         Medium Force         Power         20 Hr         Machine Width         54*           AT1223603         Low Force         Engine Fuel Type         Liquid Cooling         Machine Height         53*           WEIGHTS         Engine Fuel Type         Diesel         Heater Extended Height         61*           Machine         2,089 lbs. (947.6 Kg)         Engine Fuel Tank Capacity         5 Gallons (18.9 Liters)         CARRIAGE DIMENSIONS           Vehicle         1,620 lbs. (734.8 Kg)         Engine Fuel Tank Capacity         5 Gallons (18.9 Liters)         Length         4-Jaw - 44* (1,117.6r           Carriage         4-Jaw - 442 lbs. (200.5 Kg) 3-Jaw Operational Fuel Tank Capacity         Engine Starting System         Engine Starting System         Electric         Width         1           Hydraulic         Heater         2,200 lbs. (997.9 Kg)         POWER         SHIPPING DIMENSIONS         Heater         20-240V, 3,000 Watts, 50 / 60 Hz, 15 Amp         Length         61* (Width         91* (Midth         64* (Midth         <	MODELS		ENGINE		MACHINE DIMENSIONS		
Machine Width	AT1223602	High Force		20 HP	Machine Length	97" (2,463.8mm)	
Machine	AT1223601	Medium Force			Machine Width	54" (1,371.6mm)	
WEIGHTS         Type         Displayed to the panie of	AT1223603	Low Force		Liquid Cooling	Machine Height	53" (1,346.2mm)	
Machine         2,089 lbs. (947.6 kg) Tank Capacity         Engine Fuel Tank Capacity         5 Gallons (18.9 Liter)         CARRIAGE DIMENSIONS           Vehicle         1,620 lbs. (734.8 kg) Tank Capacity         Engine Operational Fuel Tank Capacity         8 Hours         Length         4-Jaw - 44" (1,117.6 m/s 25 mode)         25 mode of 2 mode of 2 mode of 2 mode of 2 mode)         Midth         1.17.6 mode of 2 mode of	WEIGHTS		•	Diesel		61" (1,549.4mm)	
Vehicle     1,620 lbs. (734.8 Kg) Carriage     4-Jaw - 442 lbs. (200.5 Kg) 3-Jaw Poperational Fuel Tank Capacity     8 Hours     Length     4-Jaw - 44" (1,117.6r 2st	Machine	2,089 lbs. (947.6 Kg)		5 Gallons (18.9 Liters)	· ·	NSIONS	
Carriage  4-Jaw - 442 lbs. (200.5 Kg) 3-Jaw	Vehicle	1,620 lbs. (734.8 Kg)	Engine				
Heater 24 lbs. (10.9 kg) Facer 62 lbs. (28.1 kg) Shipping Weight 2,200 lbs. (997.9 kg)  MYDRAULICS  System Pressure 2,000 PSI (137.9 BAR) Fusion Pressure 1,500 PSI (103.4 BAR) Hydraulic Reservoir Capacity  AC Output 120V & 240V, 60Hz, 15 Amp Facer Height 64° (  Heater Plug type NEMA 6-15P Facer Hydraulic Facer Hydraulic Facer Hydraulic Facer Hydraulic Facer Self-locking Facer Self-locking Facer Welded steel construction Brake Self-locking Frame Welded steel construction Brake Self-propelled Vehicle Speed 1.5 MPH Lifting Lift points and lifting assembly	Carriage		Operational Fuel	8 Hours		29" (736.6mm)	
Facer 62 lbs. (28.1 Kg)  Shipping Weight 2,200 lbs. (997.9 Kg)  POWER  Heater 220-240V, 3,000 Watts, 50 / 600 Hz, 1 Ph  System Pressure 2,000 PSI (137.9 BAR) Fusion Pressure 1,500 PSI (103.4 BAR) Hydraulic Reservoir Capacity  Reservoir Capacity  AC Output 120V & 240V, 60Hz, 15 Amp Facer Hydraulic Reservoir CHASSIS  CHASSIS  CHASSIS  MOBILITY  Mobility Type Rubber crawler tracks Transportation Self-propelled Vehicle Speed 1.5 MPH  Lifting Lift points and lifting assembly  SHIPING DIMENSIONS  Length 61" (Width 91"	Heater	24 lbs. (10.9 Kg)	Engine Starting	Floatric			
HYDRAULICS  System Pressure 2,000 PSI (137.9 BAR) Facer  Fusion Pressure 1,500 PSI (103.4 BAR) AC Output 120V & 240V, 60Hz, 15 Amp Hydraulic Reservoir Capacity  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  Length 61" (Width 91" (Width 91" (Width 91" (Pick 1) Amp (Width 91" (Width 9	Facer	62 lbs. (28.1 Kg)	System	Electric	Height	27" (685.8mm)	
System Pressure 2,000 PSI (137.9 BAR) Facer  Fusion Pressure 1,500 PSI (103.4 BAR) AC Output 120V & 240V, 60Hz, 15 Amp Hydraulic Reservoir Capacity  Facer Hydraulic Plug type NEMA 6-15P Facer Hydraulic Prace Self-locking Processes designed to meet regulations in and similar markets.    CHASSIS   Hobber crawler tracks   Frame   Welded steel construction   Brake   Self-locking   MOBILITY	Shipping Weight	2,200 lbs. (997.9 Kg)	POWER		SHIPPING DIMENSIONS		
System Pressure 2,000 PSI (137.9 BAR) Facer  Fusion Pressure 1,500 PSI (103.4 BAR) AC Output 120V & 240V, 60Hz, 15 Amp  Hydraulic Reservoir Capacity Facer Hydraulic Capacity Frame Welded steel construction Brake Self-locking Mobility Type Rubber crawler tracks    MOBILITY   Mobility Type Rubber crawler tracks   Transportation Self-propelled   Vehicle Speed 1.5 MPH   Lifting Lift points and lifting assembly   Width 991" (Height 64" (He	HADDVIIIICE		Heater		Length	61" (1,549.4 mm)	
Fusion Pressure 1,500 PSI (103.4 BAR)  Heater Plug type NEMA 6-15P  Reservoir Capacity  Heater Plug type NEMA 6-15P  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  Height 64" (1948)  Height 64" (1948)  Standard machine with operator-controlled processes designed to meet regulations in and similar markets.  Includes: Fusion machine, facer, heater, in heater stand, 12" IPS butt fusion inserts at assembly.		2 000 PSI (127 0 PAP)	-	ПД, ГГП	Width	91" (2,311.4 mm)	
Hydraulic Reservoir Capacity  8 Gallons (30.3 Liters) Capacity  Pacer  CHASSIS  Frame  Welded steel construction Brake  Self-locking  MOBILITY  Mobility Type  Rubber crawler tracks  Transportation  Self-propelled  Vehicle Speed  Lifting  Lift points and lifting assembly  NEMA 6-15P  Standard machine with operator-controlled processes designed to meet regulations in and similar markets.  Includes: Fusion machine, facer, heater, heater stand, 12" IPS butt fusion inserts at assembly.  NEMA 6-15P  Standard machine with operator-controlled processes designed to meet regulations in and similar markets.  Includes: Fusion machine, facer, heater, heater stand, 12" IPS butt fusion inserts at assembly.  Mobility Type  Rubber crawler tracks  Transportation Self-propelled  Vehicle Speed 1.5 MPH  Lifting Lift points and lifting assembly		,			Height	64" (1,625.6 mm)	
Reservoir Capacity  8 Gallons (30.3 Liters)  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  Standard machine with operator-controlled processes designed to meet regulations in and similar markets. Includes: Fusion machine, facer, heater, heater, heater, heater, heater, heater, heater, heater, heater, heate		1,500 PSI (103.4 BAR)	AC Output				
Capacity  Facer  CHASSIS  CHASSIS  Frame  Welded steel construction  Brake  Mobility  Mobility Type  Rubber crawler tracks  Transportation  Vehicle Speed  Lifting  Lift points and lifting assembly  Salidati Hactinite With operator-Controlled processes designed to meet regulations in and similar markets.  Includes: Fusion machine, facer, heater, includes: Fusion m	Reservoir	8 Gallons (30.3 Liters)	Heater Plug type	NEMA 6-15P			
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			Facer	Hydraulic	processes designed to meet regulations in the US		
Brake Self-locking  MOBILITY  Mobility Type Rubber crawler tracks  Transportation Self-propelled  Vehicle Speed 1.5 MPH  Lifting Lift points and lifting assembly			CHASSIS		Includes: Fusion machine, facer, heater, insulated		
MOBILITY  Mobility Type Rubber crawler tracks  Transportation Self-propelled  Vehicle Speed 1.5 MPH  Lifting Lift points and lifting assembly			Frame	Welded steel construction	heater stand, 12" IPS butt fusion inserts and lifting assembly.		
Mobility Type Rubber crawler tracks  Transportation Self-propelled  Vehicle Speed 1.5 MPH  Lifting Lift points and lifting assembly			Brake	Self-locking			
Transportation Self-propelled  Vehicle Speed 1.5 MPH  Lifting Lift points and lifting assembly			MOBILITY				
Vehicle Speed 1.5 MPH  Lifting Lift points and lifting assembly			Mobility Type	Rubber crawler tracks			
Lifting Lift points and lifting assembly			Transportation	Self-propelled			
			Vehicle Speed	1.5 MPH			
Starting System Electric			Lifting	Lift points and lifting assembly			
			Starting System	Electric			

