# MEGAMC° 824 SERIES 2

8" IPS - 24" OD (225MM - 630MM)











#### ABOUT MEGAMC

The McElroy MegaMc® fusion machines are a revolutionary mix of muscle and versatility. They were the first large-diameter machines that brought the flexibility of the small-diameter machines to large-diameter fusion. Rugged and tough, they are designed to meet the demands of jobsites worldwide and are equally capable of performing quality fusions in the ditch and in close quarters.

The MegaMc carriages are mounted on a wheeled chassis for portability and convenience on large-diameter pipeline jobsites. Easily towable to the fusion area, they remain stationary as sticks of pipe are fused and pulled through.

All of the fusion functions on the MegaMcs are powered smoothly by hydraulics including the clamping and unclamping of the jaws and the fast and efficient facing of the pipe ends. Hydraulic pipe lifts aid in loading and unloading pipe from the machine.

The MegaMcs are compatible with the McElroy DataLogger®, which records and documents the entire fusion process. Joint records are used to verify that proper fusion procedures have been followed prior to installation and can be stored and analyzed in the Vault<sup>™</sup>, a secure server on the internet.

Pipe type, job requirements and fusion standards are all important aspects of planning a fusion job. The MegaMcs are available in a variety of cylinder forces to meet your jobsite needs.

#### MEGAMC 824 SERIES 2

The MegaMc 824 Series 2, which fuses pipe from 8" IPS to 24" OD (225mm to 630mm), was the first machine of this size designed with a removable carriage that converts from 4 to 3 jaws for in-ditch, close-quarter work. The heater and facer can also be easily converted to a top-loading orientation for confined spaces. The carriage features improved hydraulic and electric connectors that are interchangeable with the TracStar® 630 and 900 Series 2 machines. This versatility allows operators to mount the carriage on a rolling or tracked vehicle.

#### TIONAL IMAGES





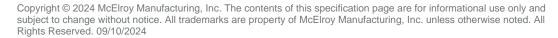


### STANDARD FEATURES

- Patented Centerline Guidance System for equal distribution of force around the joint
- Industry standard semi-automatic hydraulic control system
- ISO-compliant industrial Teflon-coated plates
- Advanced blade design for smooth face and
- Heater and facer can be easily converted to top loading for confined spaces
- Rugged outriggers for stability
- Removable heater, facer and 4- or 3-jaw carriage for in-ditch use
- Standard Hydraulic Clamping
- Dual hydraulic pipe lifts aid in loading and unloading pipe
- Serrated jaws and inserts keep pipe from slipping during fusion
- Hydraulic pivoting heater and facer
- Heater element failure detection
- Remote motor start/stop capabilities
- DataLogger® compatible
- Powerful hydraulic facer for facing the toughest pipe with ease
- Hard-anodized aluminum wear surfaces for corrosion resistance









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#### **SPECIFICATIONS**

MODELS		ENGINE		MACHINE DIME	NSIONS
<u>A2474801</u>	High Force, 240V	Engine Horse	20 HP	Machine Length	134" (3,403.6mm)
A2474804	High Force, 415V	Power		Machine Width	85" (2,159mm)
<u>A2474802</u>	Medium Force, 240V	Engine Fuel Type	Electric	Machine Height	69" (1,752.6mm)
<u>A2474805</u>	Medium Force, 415V	POWER		CARRIAGE DIMENSIONS	
<u>A2474803</u>	Low Force, 240V	Minimum Power 4-Jaw - 116.2" (2.951.5mm) 3			
<u>A2474806</u>	Low Force, 415V	Requirements	29.8 kVA / 28.1 kW	Length	<b>Jaw</b> - 60.7" (1,541.8 mm)
WEIGHTS		240V Heater	220-240V, 10,950 Watts, 50 / 60 Hz, 3 Ph	Width	4-Jaw - 68.3" (1,734.8mm) 3-Jaw
Machine	6,000 lbs. (2,721.6 Kg)	<b>380-415V</b> Heater	380-415V, 10,950 Watts, 50 Hz, 3	Height	- 53.5" (1,358.9mm)  4-Jaw - 54.3" (1,379.2mm) 3-Jaw - 40.7" (1,033.8mm)
Vehicle	2,115 lbs. (959.3 Kg)	300-413V Heater	Ph		
Carriage	<b>4-Jaw</b> - 3,885 lbs. (1,762.2 Kg) <b>3-</b> <b>Jaw</b> - 1,412 lbs. (640.5 Kg)	Facer		, ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	
		High Force, 240V Input Voltage Requirements  High Force, 415V Input Voltage Requirements	220-240V, 50 / 60 Hz, 3 Ph 380-415V, 50 / 60 Hz, 3 Ph	SHIPPING DIME	NSIONS
Spreader Bar	220 lbs. (99.8 Kg)			Length	138" (3,505.2 mm)
Heater	240 lbs. (108.9 Kg)			Width	83" (2,108.2 mm)
Facer	390 lbs. (176.9 Kg)			Height	72" (1,828.8 mm)
Shipping Weight	6,090 lbs. (2,762.4 Kg)			INCLUDES	
Ompping Worgin	0,000 iso. (2,102.11kg)	requirements	400A 2 Dala 4 Wire Din and	Fusion machine, facer, heater, 24" OD butt fusion	
HYDRAULICS		Plug type	100A, 3 Pole, 4 Wire Pin and Sleeve	inserts and lifting assembly.	
System Pressure	2,300 PSI (158.6 BAR)		125A, 4 Pole, 5 Wire Pin and		
Fusion Pressure	2,300 PSI (158.6 BAR)	Plug type	Sleeve		
Hydraulic Reservoir Capacity	28 Gallons (106 Liters)	Facer	Hydraulic		
		CHASSIS			
		Frame	Welded steel construction		
		Brake	Mechanical		
		MOBILITY			
		Mobility Type	Tires - 6.90 - 9NHS, 75 PSI Max.		
		Transportation	Pulled via towing ring		
		Lifting	Lift points and lifting assembly		

