

MEGAMC® 824 SERIES 2

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



MADE FOR
UNDERGROUND
CONSTRUCTION



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 long life
- ✓ 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

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™, 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.

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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.

ADDITIONAL IMAGES



DataLogger
COMPATIBLE

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SPECIFICATIONS

MODELS		POWER		MACHINE DIMENSIONS	
A2474801	High Force, 240V	Minimum Power Requirements	29.8 kVA / 28.1 kW	Machine Length	134" (3,403.6mm)
A2474804	High Force, 415V	Output Power	50 / 60 Hz, 3 Ph, 29.8 kVA	Machine Width	85" (2,159mm)
A2474802	Medium Force, 240V	240V Heater	220-240V, 10,950 Watts, 50 / 60 Hz, 3 Ph	Machine Height	69" (1,752.6mm)
A2474805	Medium Force, 415V			380-415V Heater	380-415V, 10,950 Watts, 50 Hz, 3 Ph
WEIGHTS		High Force, 240V Input Voltage Requirements	220-240V, 50 / 60 Hz, 3 Ph	CARRIAGE DIMENSIONS	
Machine	6,000 lbs. (2,721.6 Kg)	High Force, 415V Input Voltage Requirements	380-415V, 50 / 60 Hz, 3 Ph	Length	4-Jaw - 116.2" (2,951.5mm) 3-Jaw - 60.7" (1,541.8 mm)
Vehicle	2,115 lbs. (959.3 Kg)	Plug type	100A, 3 Pole, 4 Wire Pin and Sleeve	Width	3-Jaw - 53.5" (1,358.9mm) 4-Jaw - 68.3" (1,734.8mm)
Carriage	3-Jaw - 1,412 lbs. (640.5 Kg) 4-Jaw - 3,885 lbs. (1,762.2 Kg)	Plug type	125A, 4 Pole, 5 Wire Pin and Sleeve	Height	3-Jaw - 40.7" (1,033.8mm) 4-Jaw - 54.3" (1,379.2mm)
Spreader Bar	175 lbs. (79.4 Kg)	CHASSIS		SHIPPING DIMENSIONS	
Heater	240 lbs. (108.9 Kg)	Frame	Welded steel construction	Length	138" (3,505.2 mm)
Facer	390 lbs. (176.9 Kg)	Brake	Mechanical	Width	83" (2,108.2 mm)
HYDRAULICS		MOBILITY		Height	72" (1,828.8 mm)
System Pressure	2,300 PSI (158.6 BAR)	Mobility Type	Tires - 6.90 - 9NHS, 75 PSI Max.	INCLUDES	
Fusion Pressure	2,300 PSI (158.6 BAR)	Transportation	Pulled via towing ring	Fusion machine, facer, heater, 24" OD butt fusion inserts and lifting assembly.	
Hydraulic Reservoir Capacity	28 Gallons (106 Liters)	Lifting	Lift points and lifting assembly		
ENGINE					
Engine Horse Power	20 HP				
Engine Fuel Type	Electric				