

# 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 MegaMc's 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 MegaMc's 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 MegaMc's 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.

## ADDITIONAL IMAGES



DataLogger  
COMPATIBLE

# MEGAMC® 824 SERIES 2

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

## SPECIFICATIONS

| MODELS                       |   | ENGINE                                      |  | MACHINE DIMENSIONS  |   |
|------------------------------|---|---|--|---|---|
| <a href="#">A2474801</a>     | High Force, 240V  | Engine Horse Power                          | 20 HP                                    | Machine Length  | 134" (3,403.6mm)  |
| <a href="#">A2474804</a>     | High Force, 415V  | Engine Fuel Type                            | Electric                                 | Machine Width   | 85" (2,159mm)   |
| <a href="#">A2474802</a>     | Medium Force, 240V  |   |  | Machine Height  | 69" (1,752.6mm)   |
| <a href="#">A2474805</a>     | Medium Force, 415V  | POWER                                       |  | CARRIAGE DIMENSIONS   |   |
| <a href="#">A2474803</a>     | Low Force, 240V   | Minimum Power Requirements                  | 29.8 kVA / 28.1 kW                       | Length  | <b>4-Jaw</b> - 116.2" (2,951.5mm) <b>3-Jaw</b> - 60.7" (1,541.8 mm) |
| <a href="#">A2474806</a>     | Low Force, 415V   | <b>240V</b> Heater                          | 220-240V, 10,950 Watts, 50 / 60 Hz, 3 Ph | Width   | <b>4-Jaw</b> - 68.3" (1,734.8mm) <b>3-Jaw</b> - 53.5" (1,358.9mm)   |
| WEIGHTS                      |   | <b>380-415V</b> Heater                      | 380-415V, 10,950 Watts, 50 Hz, 3 Ph      | Height  | <b>4-Jaw</b> - 54.3" (1,379.2mm) <b>3-Jaw</b> - 40.7" (1,033.8mm)   |
| Machine                      | 6,000 lbs. (2,721.6 Kg)   | Facer                                       |  | SHIPPING DIMENSIONS   |   |
| Vehicle                      | 2,115 lbs. (959.3 Kg)   | High Force, 240V Input Voltage Requirements | 220-240V, 50 / 60 Hz, 3 Ph               | Length  | 138" (3,505.2 mm)   |
| Carriage                     | <b>4-Jaw</b> - 3,885 lbs. (1,762.2 Kg) <b>3-Jaw</b> - 1,412 lbs. (640.5 Kg) | High Force, 415V Input Voltage Requirements | 380-415V, 50 / 60 Hz, 3 Ph               | Width   | 83" (2,108.2 mm)  |
| Spreader Bar                 | 220 lbs. (99.8 Kg)  | Plug type                                   | 100A, 3 Pole, 4 Wire Pin and Sleeve      | Height  | 72" (1,828.8 mm)  |
| Heater                       | 240 lbs. (108.9 Kg)   |   |  | INCLUDES  |   |
| Facer                        | 390 lbs. (176.9 Kg)   | Plug type                                   | 125A, 4 Pole, 5 Wire Pin and Sleeve      | Fusion machine, facer, heater, 24" OD butt fusion inserts and lifting assembly. |   |
| Shipping Weight              | 6,090 lbs. (2,762.4 Kg)   | Facer                                       | Hydraulic                                |   |   |
| HYDRAULICS                   |   | CHASSIS                                     |  |   |   |
| System Pressure              | 2,300 PSI (158.6 BAR)   | Frame                                       | Welded steel construction                |   |   |
| Fusion Pressure              | 2,300 PSI (158.6 BAR)   | Brake                                       | Mechanical                               |   |   |
| Hydraulic Reservoir Capacity | 28 Gallons (106 Liters)   | MOBILITY                                    |  |   |   |
|                              |   | Mobility Type                               | Tires - 6.90 - 9NHS, 75 PSI Max.         |   |   |
|                              |   | Transportation                              | Pulled via towing ring                   |   |   |
|                              |   | Lifting                                     | Lift points and lifting assembly         |   |   |