

MEGAMC[®] 1648 SERIES 2

16" OD - 48" OD (450MM - 1200MM)



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.

MEGAMC 1648 SERIES 2

The MegaMc 1648 Series 2 is a workhorse machine with a single-operator control system that will butt fuse pipe and most fittings without special holders or removal of the outer jaws. It will butt fuse pipe sizes from 16" OD to 48" OD (450mm to 1200mm). The facer and heater hydraulically index left to right and can pivot in and out of the fusion machine. The Series 2 model has additional fusion force and is capable of in-ditch work with a removable 3- or 4-jaw carriage.

ADDITIONAL IMAGES



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
- ✓ Removable heater, facer and 3- or 4-jaw carriage for in-ditch use
- ✓ ISO-compliant industrial Teflon-coated heater plates
- ✓ Powerful hydraulic facer for facing the toughest pipe with ease
- ✓ Advanced blade design for smooth face and long life
- ✓ 3,000 PSI system pressure for increased fusion capability
- ✓ Outriggers for machine stability and leveling
- ✓ Dual hydraulic pipe lifts aid in loading and unloading pipe
- ✓ Ergonomic operator platform for increased visibility
- ✓ Serrated jaws and inserts to keep pipe from slipping during fusion
- ✓ Hydraulic-pivoting heater and facer
- ✓ Remote motor stop/start capabilities
- ✓ Heater Element Failure detection
- ✓ Ability to interchange carriage with the TracStar[®] 1200
- ✓ ISO-compliant industrial Teflon-coated heater plates
- ✓ DataLogger[®] compatible
- ✓ Hard-anodized aluminum wear surfaces for corrosion resistance



DataLogger
COMPATIBLE

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SPECIFICATIONS

MODELS		POWER		MOBILITY	
A4861701	High Force, 240V	High Force, 415V Minimum Power Requirements	59 kVA / 56.1 kW	Mobility Type	Tires - ST 235 80R16 10 ply, 3520 lbs. (1596 Kg) capacity
A4861703	High Force, 415V			Transportation	Pulled via towing ring
A4861702	Medium Force, 240V			Lifting	Lift points and lifting assembly
A4861704	Medium Force, 415V	High Force, 240V Minimum Power Requirements	62.3 kVA / 58.2 kW		
WEIGHTS				MACHINE DIMENSIONS	
Machine	11,787 lbs. (5,346.5 Kg)	MegaMc® 1648 Series 2 Output Power	20 HP, 50 Hz, 3 Ph, 59 kVA	Machine Length	193" (4,902.2mm)
Vehicle	4,337 lbs. (1,967.2 Kg)			Machine Width	89.5" (2,273.3mm)
Carriage	3-Jaw - 3,680 lbs. (1,669.2 Kg) 4-Jaw - 7,450 lbs. (3,379.3 Kg)	MegaMc® 1648 Series 2 Output Power	25 HP, 50 / 60 Hz, 3 Ph, 62.3 kVA	Machine Height	99" (2,514.6mm)
Spreader Bar	500 lbs. (226.8 Kg)	240V Heater	220-240V, 35,000 Watts, 50 / 60 Hz, 3 Ph	CARRIAGE DIMENSIONS	
Heater	600 lbs. (272.2 Kg)			Length	107" (2,717.8mm)
Facer	775 lbs. (351.5 Kg)	415V Heater	380-415V, 35,000 Watts, 50 Hz, 3 Ph	Width	85" (2,159mm)
Shipping Weight	11,787 lbs. (5,346.5 Kg)			Height	77" (1,955.8mm)
HYDRAULICS		High Force, 240V Input Voltage Requirements	220-240V, 50 / 60 Hz, 3 Ph	SHIPPING DIMENSIONS	
System Pressure	3,000 PSI (206.8 BAR)			Length	193" (4,902.2 mm)
Fusion Pressure	3,000 PSI (206.8 BAR)	High Force, 415V Input Voltage Requirements	380-415V, 50 Hz, 3 Ph	Width	89.5" (2,273.3 mm)
Hydraulic Reservoir Capacity	23 Gallons (87.1 Liters)	Plug type	125A, 4 Pole, 5 Wire Pin and Sleeve	Height	99" (2,514.6 mm)
ENGINE		Plug type	200A, 4 Pole, 4 Wire	INCLUDES	
Vehicle Engine Horse Power	20 HP	Facer	Hydraulic	Fusion machine, facer, heater and lifting assembly.	
Vehicle Engine Horse Power	25 HP	CHASSIS			
Engine Fuel Type	Electric	Frame	Welded steel construction		
		Brake	Mechanical		