

MEGAMC® 1648 SERIES 2

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



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

ABOUT MEGAMC

McElroy's MegaMc® machine line features a revolutionary mix of muscle and versatility. These machines were the first to introduce the flexibility of McElroy's small-diameter fusion machines to large-diameter fusion. Rugged and tough, the MegaMc line is designed to meet the demands of jobsites worldwide and are equally capable of performing quality fusions in the ditch and in close quarters. MegaMc machines are available in a variety of cylinder forces to meet jobsite needs.

For portability and convenience on large-diameter pipeline jobsites, MegaMc carriages are mounted on a wheeled chassis and are easily towable to the fusion area. During the fusion process, the machine remains stationary as sticks of pipe are fused and pulled through. All fusion functions are powered smoothly by hydraulics, including the clamping and unclamping of the jaws and facing of the pipe ends. As an added benefit, hydraulic pipe lifts aid in loading and unloading pipe from the machine.

MegaMcs are compatible with McElroy's DataLogger®, which tracks and documents pertinent fusion data for an added level of quality assurance and record-keeping.

MEGAMC 1648 SERIES 2

Designed to fuse pipe from 16" OD to 48" OD (450mm to 1200mm), 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 jaw. Its heater and facer hydraulically index left to right and can pivot in and out of the fusion area.

In addition, this machine includes additional fusion force and is capable of in-ditch work with a removable three- or four-jaw carriage.

ADDITIONAL IMAGES



SEE SECOND PAGE FOR DETAILED SPECIFICATIONS

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DataLogger
COMPATIBLE



McELROY

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SPECIFICATIONS

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