MEGAMC[®] 1648 SERIES 2 16" OD - 48" OD (450MM - 1200MM)



MADE FOR

UNDERGROUND CONSTRUCTION



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

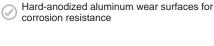
The MegaMc 1648 Series 2 is a workhorse machine with a single-operator control system that will butt fuse pipe and most fittings without special holders or removal of the outer jaws. It will butt fuse pipe sizes from 16" OD to 48" OD (450mm to 1200mm). The facer and heater hydraulically index left to 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



Copyright © 2024 McElroy Manufacturing, Inc. The contents of this specification page are for informational use only and subject to change without notice. All trademarks are property of McElroy Manufacturing, Inc. unless otherwise noted. All Rights Reserved. 02/12/2024

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
So-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
Oual 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
\bigcirc Ability to interchange carriage with the TracStar $^{\circ}$ 1200
So-compliant industrial Teflon-coated heater plates
OataLogger [®] compatible







MEGAMC° 1648 SERIES 2

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

SPECIFICATIONS

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

