



POWER SOURCES

Transformer/Heat Treatment Units

Heat Treatment Machines

Mannings' mobile transformer units have achieved an enviable world wide reputation for good design, quality of construction and reliability. Manufactured by qualified engineers, the final product stands among the best in the industry.

Mannings' Heat Treating Equipment has proven itself reliable on projects demanding heat uniformity, accurate control, dependability and safety. Mannings' equipment is designed for **manual, programmable, or remote operation.**

Ideal for Pre and Postweld Heat Treatment

Integrated 3-6-9-and 12-way heat treatment control modules make the transformer ideally suitable for pre and postweld heat treatment of pipe work and vessels on construction sites and in workshops.

Rigid and Mobile

Housed in a rigid steel frame and surrounded by a heavy gauge steel sheet, the unit is finished in a durable high quality paint. Having a low center of gravity, the unit is well balanced with mobility being provided with wheels made of metal, to withstand use on steel grating.

Air Transformers

Insulated to Class (H) standards, the windings are air natural cooled and one hundred percent rated for an ambient temperature of 120 degrees "F".

Standard features:

The following description contains the standard 75 KVA features for all Mannings USA Heat Treatment machines.

(Note: (100kVA) 9-way and 12-way units have inputs of only 460 / 575 Volts , the standard features remain the same).

Power:

- **Input** - 50/60 hertz 3-phase
- **Volts** - 380, 425, 480, 575
- **Amps** -110, 98, 90, 72
- **Out put** - 60/80 Volts

Outputs will Power:

- 18 Heaters - 80 Volt @ 3.6kW
- 24 Heaters - 60 Volt @ 2.7kW

Features:

- **1 ea.** - 125/160 Amp Main Breaker
- **6 ea.** - Digital Set point Controllers with L.E.D.
- Display **0 - 2000** degrees **F**, Type K Thermocouple(Degrees C available)
- **6 ea.** - Energy Regulators
- **6 ea.** - Dual Panel Mounted T/C Jacks
- **6 ea.** - 200 Amp Long Life Contactors

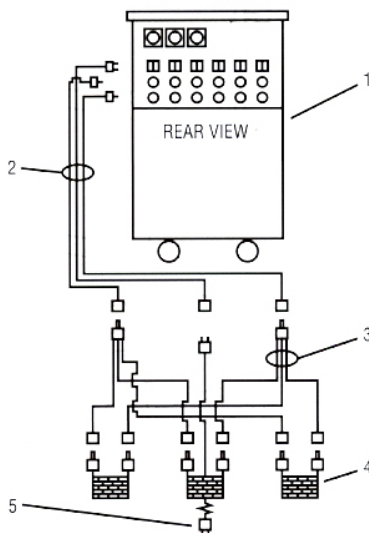


Semi Automatic Model
Stock No. 11126

- **2 ea.** - Lifting Eye Bolts
- Steel Wheels on Base, 2 swivel, 2 fixed
- Panel Mount Receptacle for Programmer Operations
- **12' - 4** Core Primary Cable Front Doors for Instrument Protection

Options:

- **230 Volt** Input - Call Local Office
- Specialized Control options for any requirement
- Custom built machines for customers with special heat treatment needs.
- All inclusive packages (Includes Cable Sets)
- Built in Recorder - 12 or 24 Point
- Laptop for Remote Data Acquisition



Typical Cable Connections & Component Package

Each heater 45 amps (total 135 amps)

Item No.	Qty	Stock No.	Description
1	1	11126	75KVA 6 Channel Power Source
2	6	54210	Triple Cable Sets
3	6	51010	3-way Splitter Cables
4	As Req	As Req	Heating Elements
5	6	44000	Thermocouples with Plug





Fully Automatic Model with built in programmer and communications ready.
Stock No. 12126

Heat Treatment Center Model with programmer, recorder, ammeters and communications ready.
Stock No. 16126



Power Source Options

Stock No.	kV A	Number of Zones	Standard Features	Control- lers (Standard)	Dimensions Inches / Millimeters	Weight lbs / kgs
10434	34	3	(480V / 3-Phase) Input Starter Kit with Accessories	P-256 / Cal-3311	48"W x 30"D x 40.5"H (1219mm x 762mm x 1029mm)	1000lbs 454kgs
11025	50	6	YES	Cal -3311	26.5"W x 25.5"D x 41"H (635mm x 635mm x 837mm)	780lbs 354kgs
11125	65	6	YES	Cal-3311	24"W x 26"D x 46"H (686mm x 635mm x 1321mm)	910lbs 413kgs
11126	75	6	YES	Cal-3311	27"W x 25"D x 52"H (686mm x 635mm x 1321mm)	1000lbs 454kgs
12126	75	6	YES	P-256 / Cal-3311	27"W x 25"D x 52"H (686mm x 635mm x 1321mm)	1000lbs 454kgs
16126	75	6	YES / With 12 point Recorder	P-256 / Cal-3311	27"W x 25"D x 59"H (686mm x 660mm x 1448mm)	1050lbs 477kgs
16900	75	9	YES / With 12 point Recorder	P-256 / Cal-3311	32"W x 24"D x 52"H (813mm x 610mm x 1321mm)	1100lbs 500kgs
17300	100	9	YES Note: 460V / 575V Input Only	Cal-3311	32"W x 24"D x 52"H (813mm x 610mm x 1321mm)	1550lbs 705kgs
17000	100	12	YES Note: 460V / 575V Input Only	Cal-3311	64"W x 35"D x 52"H (1626mm x 889mm x 1321mm)	1600lbs 726kgs

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Inclusive Option Packages

Stock No.	Triple Cable Sets 50 feet No. 2 Cable	3-way Splitter Cables	Ceramic Heaters 80 Volt	18" Stainless Thermocou- ples (T/C's)	T/C Splitter Ca- bles
12625 (6-way)	6	12	18	6	6
12725 (9-way)	9	18	27	9	9
12825 (12-way)	12	24	36	12	12