

PRODUCT SPECIFICATION

1. SCOPE

1.1. Content

This specification covers the capabilities, requirements, and general method of operation and performance for the, AMP* Electric Power Unit with part number of the 931800 series.

1.2. Equipment Function:

The machine provides the operating power for the "Pistol Grip Applicator Tooling Heads" and for "Feed Track Assemblies". The "Feed Track Assemblies" are modified tooling heads equipped to automatically feed connectors into the heads.

2. APPLICABLE DOCUMENTS

The following documents form a part of this specification to the extent specified herein. In the event of conflict between the requirements of this specification and the product drawing, the product drawing shall take precedence. In the event of conflict between the requirements of this specification and the referenced documents, this specification shall take precedence.

2.1. AMP Specifications

- A. CM-5746: Customer Manual
- B. IS-6929: Instruction Sheet, MTA 100 Terminating Head
- C. IS-6930: Instruction Sheet, MTA 156 Terminating Head
- D. IS-6794: Instruction Sheet, MTA 156 Card Edge Terminating Head
- E. IS-9359: Instruction Sheet, AMPMODU* MTE Terminating Head
- F. IS-9085: Instruction Sheet, AMPMODU MT Terminating Head
- G. IS-9084: Instruction Sheet, AMPLIMITE* HDE-20 Terminating Head
- H. IS-9435: Instruction Sheet, MTA 100 Feed Track Assembly
- I. IS-9466: Instruction Sheet, MTA 156 Feed Track Assembly

2.2. National Standards and Regulations

- A. OSHA 29CFR1910: Occupational Safety and Health Administration Safety and Health Standards
- B. ANSI/NFPA 70: National Electrical Code
- C. ANSI/NFPA 79: Electrical Standard for Industrial Machinery
- D. ANSI Z 244.1: American National Standard for Personnel Protection

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Product Codes: 0522,0524,0812
1578,4975,5438,5470

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				APP F. Mediate 11/27/89		NO 108-1221	REV A
A	Revise per ECN M-2813	<i>FK</i>	<i>12/10/90</i>	PAGE 1 OF 4	TITLE MACHINE, ELECTRIC POWER UNIT SERIES 931800		
LTR	REVISION RECORD	APP	DATE				

3. REQUIREMENTS

3.1. Input

A. AMP Product:

- (1) MTA-100 Connectors with head PN 58246-1 or track PN 933567-1
- (2) MTA-156 Connectors with head PN 58247-1 or track PN 933568-1
- (3) MTA-156 Card Edge Connectors with head PN 58061-1
- (4) AMPMODU MTE Receptacle and Pin Assemblies with head PN 58336-1
- (5) AMPMODU MT Receptacle connectors with head PN 58062-1
- (6) AMPLIMITE HDE-20 Connectors with head PN 58063-1

B. Other materials: Wire or cable per Application Specification

3.2. Output

A. Dimensional: per Instruction Sheet for terminating head.

B. Tool/machine cycle time: 0.5 seconds

C. Average acceptable finished assemblies per hour, i.e., rate less 25% operator's time: 2 position MTA connectors with track assembly-200; with head only-100.

(1) Factors affecting rate:

- (a) Connector size, loose or stick form, and type
- (b) Head without track
- (c) Color coding of wire
- (d) Preparation and size of cable

D. Average setup time for product/material change:

With a tooling change required: Head- 1/2 minute

E. Average time to replace expendable part: Clutch- 1 hour

3.3. Physical Description

A. Dimensions from operator's station

- (1) Width: 7 inches (with track 22.50 inches)
- (2) Depth: 14 inches
- (3) Height: 10 inches

B. Weight: 12 pounds (including foot switch)

C. Mounting: bench.

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D. Electric Controls

- (1) Operator's
 - (a) On/Off rocker switch
 - (b) Foot switch

E. Actuating Power: electric.

Motor 81 watts (185 v.a.)

F. Functional Sequence

- (1) Head is inserted into the bottom of the unit, retained by a push in clip, and prevented from rotating by a thumb screw. Operating procedure is per appropriate Instruction Sheet, except each cycle is initiated by a foot switch.
- (2) Completed product disposition: Removed by operator
- (3) Required input and output devices, not included: AMP Tooling heads

G. Optional additional equipment:

- (1) AMP Feed Track Assembly, MTA-100 PN 933567-1
- (2) AMP Feed Track Assembly, MTA-156 PN 933568-1

3.4. Production Operation

A. Physical environment

Complies with NFPA 79 for temperature, altitude, humidity, and transportation and storage.

B. Operator

- (1) Number/machine and Frequency of attendance: 1 full time.
- (2) Work center description:
 - (a) Bench 28-30 inches high
 - (b) Chair 17-22 inches high

C. Setup and Maintenance

Technical knowledge: electrical

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3.5. Utilities

- A. Electrical Supply: (If required, specify compliance with NFPA 79)
 - (1) 117 vac
 - (2) 2.75 amperes
 - (3) 1 phase
 - (4) 60 Hertz

3.6. Transportation

- A. Shipping Container (66 inch X 66 inch X 72 inch maximum recommended)
 - (1) Length: 16.0 inches
 - (2) Width: 13.5 inches
 - (3) Height: 17.0 inches
- B. Gross weight: 18.0 pounds

3.7. Design

- A. Conforms to following codes and regulations: OSHA (29CFR1910), NEC (NFPA70), Industrial Machinery (NFPA79), ZMS (ANSI Z 244.1).
- B. AMP Incorporated Safety and Health Manual
- C. Noise level 75 dba maximum at operator's position

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