

DUPLICATORS APERTURE CARD

3M 420

3M 420 low volume aperture card duplicator.

Simple push button operation. No venting required.



Typical Machine Characteristics

Size: 38"H x 30"W x 15"D.
Weight: 86 lbs.
Speed: 8 duplicates per min.

3M 520 Card to Card Duplicator

The 3M 520 Diazo Copy Card Duplicator will automatically reproduce images from all types of master cards onto diazo copy cards at a rate of nine per minute. From 1 to 99 duplicates can be made at the push of the print button and a resettable counter displays the number of copies desired and the number of copies remaining to be run, then resets to the original number desired. Internal and external card stops assure correct registration of the master (single card insertion) to the duplicate copy cards.



Specifications

Dimensions: Width: 48" (122cm), including work surface. 27" (69cm) from floor x 43 1/2"H x 24"D (110cm x 61cm).

Weight: 170 lbs. (77 kg).

Power Requirements: 115 VAC, 60 Hz, 7.5 amp.

Hopper Capacity: 300 Diazo copy cards.

Duplication Rate: 9 cards per minute.

Other 3M High Speed Duplicators Available. Please call us.

3M Models 908 and 918 Card Duplicators have been designed and built to offer fast throughput speed, versatility and ease of operation, high quality imaging results and reliable system performance. Both models offer a consistent aperture card duplicating speed of 1000 cards per hour, whether copying one-for-one or making multiple copies from multiple masters. The 908 and 918 feature program-

3M 908/918 Card Duplicators

able micro-processor controls that permit rapid selection of required functions in a job set-up. An easy-to-read display prompts operators with instructions and provides system status messages.



Typical Machine Characteristics

Model 908/918: (The following specifications apply for both Models 908 and 918 unless otherwise noted.)

Power Requirements:
Voltage: (See Note 1) 200-250 VAC.
Current: (See Note 2) 5 Amps.
Frequency: International - 50 Hz.
Domestic - 60 Hz.
Phase: Single.

Operating Characteristics:
Duplicating Speed: (See Note 3) 1000 Cards/Hr.
Power Factor:
Standby: VA: 760.
Watts: 650.
PF: 0.88.

In-Cycle: VA: 850.
Watts: 790.
PF: 0.93.
Heat Dissipation: (BTU Per Hour) 2250.
Noise Level: (See Note 6) Standby: 63db/A.

In-Cycle: 70db/A.
Machine Warm-Up Time: Less than four minutes.
Lamp Re-Start Time: Less than five minutes.
Expose Station:
Lamp Type: Medium Pressure Mercury Arc.
Lamp Life: (See Note 3) 400 Hours.
Lamp Rating: 400W.
Read Station: M918 only (See Note 4) Standard Hollerith Codes (96 Characters).
Develop Station: (See Note 5)
Ammonia Supply: 2 lb. Cylinder of Technical Grade Anhydrous Ammonia.
Pressure: 5.2 bar (75 psi) Regulated.
Ammonia Absorber: Citric Acid Solution.
Recommended Machine Environment:
Temperature: 60-80°F (12-18°C).
Humidity: 40-60%, Non-Condensing.
Room Air Flow Rate: 5 Meters³ Minute.
Background Dust Level: 0.5 Milligrams/Meter.³

Machine Dimensions: 23.35"H x 26.25"W x 55.70"L (590mm x 666mm x 1414mm).

Weight: 326 lbs. (148 kg)

Stand Dimensions: 27"H x 26.5"W x 74"L (675mm x 673mm x 1880mm).

Weight: 247 lbs. (112 kg)

Space Requirements: 90" x 100" (2285mm x 2540mm).

Notes:

1. After matching to Line Voltage, the maximum allowable voltage fluctuation is ±5%.
2. A dedicated computer grade 220 VAC, 15 amp service is required.
3. Duplicating Speed is directly related to Lamp Life. A fresh Lamp provides speeds as indicated. The Lamps are designed to operate for approximately 400 hours. The minimum useable life is defined as a 20% reduction of card throughput.
4. This machine will not read Column 81.
5. Access Holes provided for External Ammonia and Venting.
6. Noise Level measured 3' (1 meter) from front of machine.