

# 2087



# The Memorex 2087 Matrix Printer

## Highlights

### Performance opportunities begin with Memorex.

The Memorex 2087 Matrix Printer offers users a rare combination: Faster print performance and operation quiet enough for any office environment; with a design specifically engineered to reduce the noise level commonly associated with printers and teleprinters.

Designed to be functionally interchangeable with the IBM 3287 Model 2, the Memorex 2087 is completely compatible with the entire 3270 family. It attaches directly to the Memorex 2076 Remote Cluster Controller or the equivalent IBM 3276 and 3274 Controllers, operating with the IBM System/360, System/370 and 303X.

The microprocessor-controlled print mechanism produces a highly legible 7x8 dot matrix character printout up to 132 characters per line at 10 characters per inch. The Memorex 2087 offers a print speed of 180 characters per second, which is fifty percent faster than the 3287 Model 2.

Maximum throughput is achieved with a bidirectional impact matrix print head that prints in both forward and reverse directions. This print head is engineered to seek the shortest path to the next line of data while printing successive lines, without wasting time on unnecessary carriage returns. The printer can accommodate up to six-part forms at a slew rate of fifteen inches per second with rear or bottom paper feed.

The trim, streamlined appearance of the 2087 is enhanced by the layout of the operator control panel located on the front of the printer. A convenient membrane switch panel, controls and LED indicators provide the operator with local control and printer status.

Memorex features a polycarbonate acoustic cover to enable users to operate the 2087 within business environments. This cover is designed to absorb noise from the interior of the printer, as well as along the paper path. To further silence printer operations, polyurethane foam is attached under the acoustic cover, as well as on the inside of the side housing and front bezel.

### Built-in Benefits for Better Performance.

**For added flexibility**, Memorex offers a variable width forms feed tractor to accommodate up to six-part fan-fold continuous forms from 4.0 inches (10.2 cm) to 17.3 inches (43.9 cm) with 132 columns maximum print width.

**The bidirectional paper movement capability** makes possible the printing of subscripts, superscripts and overprinters with rear tractor paper feed. This capability to direct the paper forward and backward also facilitates forms alignment when using the vernier controls located on the front panel.

**An underlining capability** is provided by a ninth pin designed into the print head.

**Operation of the page length control** feature is accompanied by a LED digital readout, allowing the operator to select the required number of lines to match actual forms length easily.

**The acoustic cover** with an operator observation window is designed to reduce noise and protect the print head.

**The audible alarm** with volume control notifies the operator when the printer reaches the end of forms, that an error has occurred at the printer, or that certain program-specified conditions have occurred. These conditions are relayed immediately to the controller.

**The convenient 70-yard nylon ink ribbon cassette** neatly simplifies replacement of the ribbon.

**Mono/dual case printout and single/double line spacing** are operator selectable.

**Optional line lengths** of up to 132 positions (characters and spaces) are also operator selectable.

**Buffer sizes** range from 960 to 3564 characters.

**Internal diagnostics** verify that the 2087 is fully functional at power-up. In addition, the print test activates via a test switch located on the control panel. The printer remains off-line until all tests have been executed successfully.

Users may select either a 12-foot non-locking or 12-foot locking power cord.

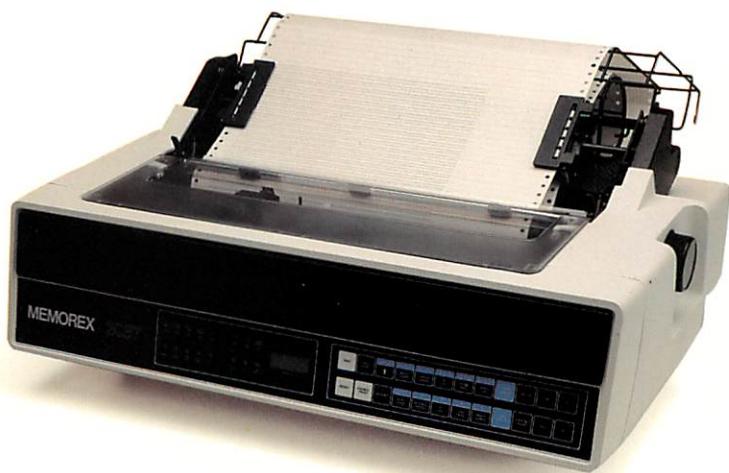
## Optional Features

---

### Innovations in Options.

**Extended print buffers** provide additional control and buffering necessary for character print buffers of 2560, 3440 or 3564 characters.

**A printer stand** provides a platform for convenient stacking of continuous forms after printing.



# 2087 Matrix Printer Specifications

---

## **Print Mechanism**

The print mechanism consists of a carriage assembly, drive mechanism and print head. The drive contains a stepper motor which drives a continuous belt that transports the print head and carriage assembly back and forth along the platen. Up to 132 positions can be printed on each line at 6 or 8 lines per inch of vertical spacing.

## **Character Set**

EBCDIC character set is available in 94 character configuration.

## **System Interface**

Attaches via coaxial "Category A" interface to the Memorex 2076 Remote Cluster Controller; IBM 3276 and 3274 Controllers.

## **Physical Dimensions**

Depth: 49.5 cm (19.5 in.)  
Width: 62.2 cm (24.5 in.)  
Height: 30.5 cm (12.0 in.) with acoustic cover.

## **Cabinet**

White textured finish with black accents.

## **Power**

117 VAC,  $\pm 10\%$ , 60 Hz.

## **Weight**

Printer: 27.2 kg (60 lb)  
Stand: 11.4 kg (25 lb)

## **Operating Environment**

Ambient Temperature  
4° to 37°C (40° to 100°F)  
Ambient Relative Humidity  
20% to 90%

## **Heat Dissipation**

96 Kcal/h (382 BTU/h)

## **Memorex Corporation**

Communications Group  
18922 Forge Drive  
Cupertino, California 95014  
(408) 996-9000