M-8490S*e*

High Resolution OEM Printer

- ■ **New Generation RISC Processor**

- ■ **Plug-In I/F Modules**
  - ⇨ **RS232 - 57.6k bps**
  - ⇨ **Parallel - IEEE1284**
  - ⇨ **USB**
  - ⇨ **Ethernet - 10/100BaseT**
  - ⇨ **Twinax/Coax**

- ■ **Two Scalable Internal Fonts**

- ■ **Downloadable TrueType® Fonts**

- ■ **21 Bar Code Symbologies Including 2-D**

- ■ **305 dpi Print Resolution**

- ■ **8 ips Print Speed**

- ■ **M-8490S compatible**

- ■ **18 MB Standard Memory**

- ■ **20 MB Optional Memory**

- ■ **Real Time Clock Standard**

The new enhanced M-8490S*e* is the ideal solution for high resolution bar code printing. The printer features a new main board which utilizes an advanced RISC CPU, faster clock speeds, more on board memory as well as optional memory.

Throughput - The M-8490S*e* printer sets new benchmarks in label throughput. A new generation RISC processor provides high performance in label production even when printing directly from standard Windows® applications.

Memory - The M-8490S*e* printer comes with a full 18 MB of on board memory STANDARD! For extreme memory requirement applications an optional 4 MB of Flash memory or up to an additional 16 MB of PCMCIA memory can be added.

Interface Connections - A new feature of the M-8490S*e* is the Plug-In Interface Module that can be easily installed and field upgraded. Choose from one of SATO's standard high speed, bi-directional Plug-In Interface Modules: IEEE1284 Parallel, High Speed 57.6k bps Serial, or Universal Serial Bus (USB). Also available are optional Plug-In Interface Modules for Twinax/Coax, Ethernet (10/100BaseT) and RS422/485. The applicator interface port has also been enhanced to enable the label applicator greater flexibility with print engine integration.

Dimensions - Designed specially for integration into automatic print and apply systems, this compact, one piece printer requires less than 8.6 inches of clearance behind the mounting panel. The height, width and location of mounting holes are identical to the earlier SATO OEM print engines, making it easy to upgrade the M-8490S*e*. Plus the M-8490S*e* is compatible with the programming commands for M-8490S, making it a simple drop-in replacement.

Reliability - For reliable performance over extended periods of time, the M-8490S*e* was designed as high duty cycle applicator print engine. Even the heavy gauge steel enclosure was designed for production environments. Yet internal access for maintenance is simple. For the lowest maintenance costs, the M-8490S*e* maintains the unique user replaceable print head feature found in all SATO printers.

M-8490Se
High Resolution Bar Code Printer

Printing Method:
Thermal Transfer/Direct Thermal

Print Resolution:
305 dpi (8 dots/mm)

Printing Speed:
up to 8" (250 mm) per second

Memory:
18 MB Standard
16 MB PCMCIA - Optional
4 MB Flash Memory Module - Optional

Processor:
32-BIT RISC/133 Mhz

Max. Print Width:
4.4" (112 mm)

Max. Print Length:
42.8" (833 mm)

Media:
Die cut labels, plain paper facestock, SATO standard or equivalent.
Maximum unwind torque: 8 ft./lbs.

Media Size:
Min: 1" (25 mm) W x 0.24" (6 mm) L
Max: 5.27" (134 mm) W

Ribbon:
Max. Width: 5.25" (133 mm)
Max. Length: 1968' (600 m)
Wind: Face-In

Sensing:
Transmissive sensor for die cut labels and tags. Reflective sensor for use with preprinted sensing marks. Automatic, programmable setting of top forms.

Plug-In Interface Modules:
Choose among standard Interface Modules:
  ⇨ RS232 (up to 57.6k bps)
  ⇨ Parallel - IEEE1284 (ECP)
  ⇨ USB
or optional Interfaces Modules:
  ⇨ Ethernet - 10/100BaseT
  ⇨ Twinax/Coax

Data Transmission:
ASCII

External Connector:
Ext. (Applicator Interface): 14-pin Amp

Bar Code Symbologies:
UPC-A, UPC-E, EAN-8, EAN-13, Code 39, Code 93, Code 128, Codabar, MSI, Bookland, Industrial 2/5, Interleaved 2/5, Matrix 2/5, Postnet, UCC/EAN 128, PDF417, Micro PDF417, Truncated PDF417, Maxicode, Data Matrix, QR Code

Bar Code Ratio:
2:1, 3:1, 5:2

Bar Code Height:
Programmable

Human Readable Fonts:
12 proportional and mono-spaced fonts including OCR-A and OCR-B representations and an outline font. American and European characters, uppercase and lower case with descenders (code table 850) Internal CG Triumvirate® and CG Times® fonts plus downloaded TrueType® fonts.
Scalable from 8 to 72 points.

Flexibility:
360° rotation of bar codes and text; character expansion horizontally and vertically, RAM storage for special characters, dot-addressable graphics; sequential numbering. Form overlay for high speed editing of complex formats.

Graphic Support:
SATO Hex/binary format
.PCX format
.BMP format

Backfeed:
Adjustable, ± 10" (255mm)

Overall Dimensions:
10.4" W x 16.1" D x 11.8" H
(265 mm W x 417 mm D x 300 mm H)

Weight:
25 lbs (11.34 kg)

AC Power:
115V/220V (± 10%), 50/60 Hz (± 1%)
Autoswitching
50 Watt Idling/700 Watt Operating

Environmental:
Operating: 41° to 104°F (5° to 40°C)
              15-85% RH, non-condensing
Storage: -4° to 104°F (-20° to 40°C)
              max. 90% RH, non-condensing
ESD Immunity: 8kV

Approvals:
CE, UL, CSA, TÜV | ISO 9001 |
                          | ISO 9002 |
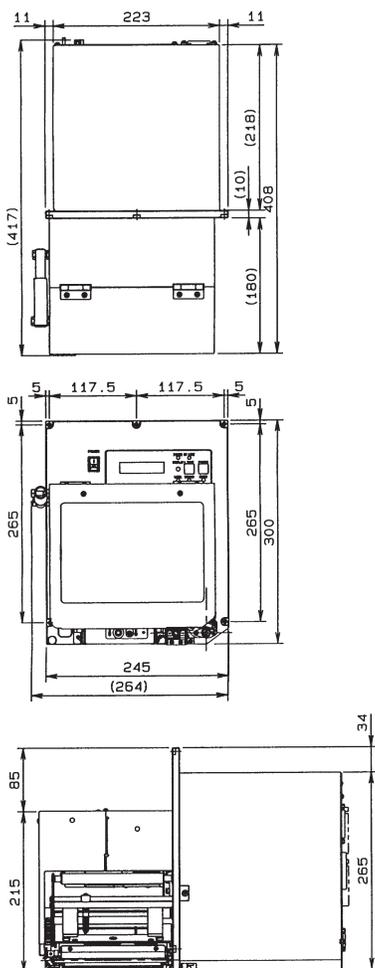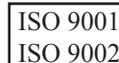
SATO America, Inc.
Phone: (408) 745-1300
www.satoamerica.com
e.mail: satosales@satoamerica.com