

# Zebra® 105Se

THERMAL TRANSFER DEMAND PRINTER

## Introducing the 105Se

Zebra's 105Se™ is an economical, high-quality bar code printer for general purpose labeling applications. It is one of the most versatile printers available, capable of meeting the needs of first-time or experienced users. With a variety of options, the 105Se can easily be configured to your requirements. And with Zebra's renowned quality construction, you can be sure that it will withstand tough environments.

### Performance

Enhanced electronics and 32-bit microprocessing power enable the 105Se to rapidly format labels and achieve constant print speeds of up to 6 inches per second (152.4mm/sec.). In addition, Zebra's E3® print element control technology optimizes print quality, even at high speeds.

### Flexibility

The 105Se offers a 4" (101mm) print width and a wide range of print resolutions: 152, 203 or 300dpi. With 203dpi (8 dots/mm) standard, the 105Se will accommodate a diverse range of commercial and industrial applications. Choose the optional 300dpi (12 dots/mm) printhead, and the 105Se can easily print small text, graphics and bar codes. And for printing UPC and EAN symbols at 100% magnification, choose the 152dpi (6 dots/mm) printhead.

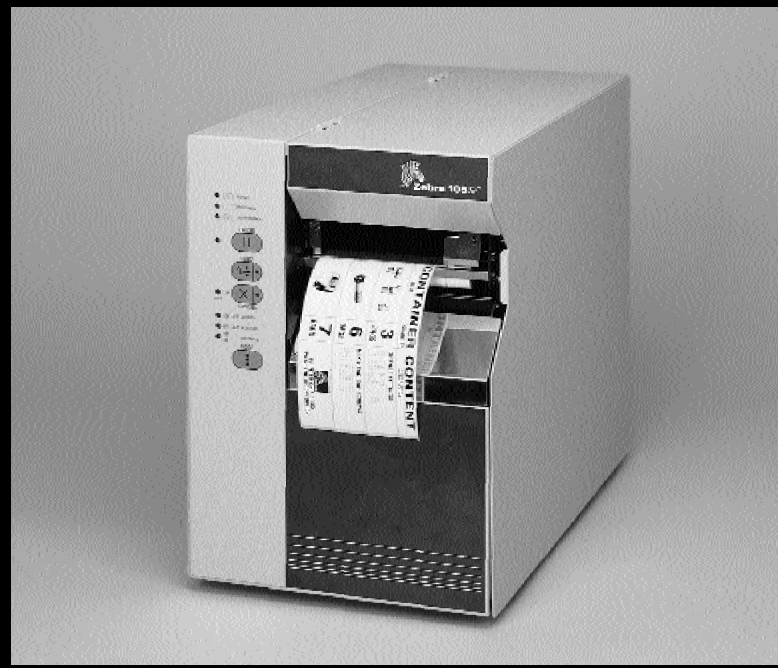
If long or graphically complex labels are required, memory can be expanded to 1MB (standard on the 300dpi model). With an optional full-width cutter, the 105Se will cut labels and tags individually or in strips. And, if you want to print labels in high volumes and in batches, choose an optional internal rewind feature to rewind a full 8-inch roll of labels within the printer.

### Compatibility

The 105Se is compatible with other Zebra® printers due to ZPL II®, Zebra's powerful, easy-to-use programming language. And with serial or parallel ports, or an optional Ethernet network adapter, the 105Se will easily connect to your host system environment.

### For more information

For additional details on all Zebra printers, supplies, software and accessories, call your Zebra representative or visit our website at: <http://www.zebra.com>.



- Benefit from high reliability and durability with all-metal construction at an affordable price
- Accommodate a broad range of applications with print resolutions of 152, 203 or 300 dots per inch (dpi)
- Maintain label registration on black mark or die-cut media using standard transmissive and optional reflective media sensors
- Take advantage of a number of flexible features and options to handle a variety of printing tasks

### Industry / application overview

- Product labeling
- Asset, product and document tracking
- Work-in-process
- Pallet labeling in shipping/receiving docks
- Parts labeling in machinery plants
- Inventory/shelf labeling in warehouses



When it's on the line.™

# 105Se Specifications\*

## STANDARD FEATURES

### PRINT SPECIFICATIONS

- **Print Method/s** Thermal transfer or direct thermal
- **Max. Width** 4.09" (103.8mm)
- **Max. Length** 15.0" (381mm)
- **Resolution** 203dpi (8 dots/mm) standard  
152dpi (6 dots/mm) option  
300dpi (12 dots/mm) option
- **Max. Speed** 6.0" (152mm)  
4.0" (101mm) 300dpi option

### PHYSICAL CHARACTERISTICS

- **Depth** 18.9" (480mm)
- **Width** 10.5" (266.7mm)
- **Construction** 14-gauge steel frame
- **Height** 15.4" (391mm)
- **Weight** 43 lbs. (19.3kg)

### RELATED FEATURES

- Transmissive media sensor
- 32-bit microprocessor

### ZPL II® PROGRAMMING LANGUAGE

- Universal language for Zebra printers. Makes label formatting and modification simple. Allows compatibility with other Zebra printers.

## OPERATING CHARACTERISTICS

### ENVIRONMENT

- **Operating Temp.** 41°F (5°C) to 104°F (40°C)
- **Storage Temp.** -40°F (-40°C) to 140°F (60°C)
- **Operating Humidity** 20-85% non-condensing
- **Storage Humidity** 5-85% non-condensing

### ELECTRICAL

- Switch-selectable 110 or 220 +15/-20%; 48-62Hz; 5A@ 110V, 3A@ 220V

### COMMUNICATION INTERFACE CAPABILITIES

- Centronics® parallel or RS-232 serial ports, 110-19,200; switch-selectable BAUD rate, parity, data bits, XON-OFF/DTR protocol

### AGENCY APPROVALS

- CISPR 22 (Class B); UL 1950; CSA 950; IEC 950; 801-2, 3 and -4 standards; FCC (Class A); Canadian Doc. (Class A); carries the CE mark of compliance

## MEDIA CHARACTERISTICS

### MEDIA SPECIFICATIONS

- **Width** 0.75" (19mm) to 4.5" (114mm)
- **Thickness** 0.003" (0.076mm) to 0.012" (0.304mm)
- **Max. Roll Diameter** 8.0" (203mm) O.D.
- **Core Size** 3.0" (76mm) I.D.
- **Max. Length** 6.50" (165mm) 300dpi  
15.0" (381mm) 203dpi  
26.0" (676mm) 152dpi

### RIBBON SPECIFICATIONS

Ribbon is recommended to be at least as wide as media.

- **Width** 0.79" (20mm) to 5.31" (134.8mm)
- **Roll Diameter** 3.2" (81.3mm) O.D.
- **Core Size** 1.0" (25.4mm) I.D.

## FONTS / GRAPHICS / SYMBOLOGIES

### CHARACTER FONTS/SETS

- **CHR Fonts** Standard: 7 bitmapped, 1 scalable (CG Triumvirate™ Bold Condensed)
- **CHR Sets** IBM® Code Page 850 multilingual character sets

### GRAPHIC FEATURES

- Supports user-defined fonts and graphics—including custom logos

### BAR CODE SYMBOLOGIES

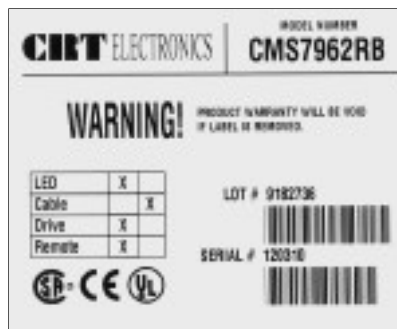
- **One-Dimensional**  
Code 11, Code 39, Code 93, Code 128, Codabar, ISBT 128, UPC-A, UPC-E, EAN-8, EAN-13, Plessey, EAN and UPC with 2 or 5 digit supplements, Interleaved 2 of 5, Standard 2 of 5, Industrial 2 of 5, LOGMARS, MSI, Postnet
- **Two-Dimensional**  
CODABLOCK, MaxiCode, Code 49, PDF-417, Datamatrix

## OPTIONAL FEATURES

### OPTIONS/ACCESSORIES

- **Label peel/liner rewind** (for print-and-apply)
- **Rewind** (full roll is rewound internally)
- **Fan-fold bin** (internal mounting)
- **High-performance cutter** (cuts full-width media)
- **Cutter catch tray**
- **ZebraNet™ MPS** (provides Ethernet connectivity)
- **PC-470™ print controller** (stand-alone application)
- **Reflective media sensor** (black mark media)
- **Memory upgrade**
- **Printhead resolution** (152 or 300dpi)
- **Scalable and smooth bitmapped fonts**
- **BAR-ONE® software** (Zebra's Windows™-based label design and printing software)

## Product Label



This product label is one example of the many application labels the 105Se can print.



### Zebra Technologies Corporation

*International Headquarters Office*  
333 Corporate Woods Parkway  
Vernon Hills, IL60061-3109 U.S.A.  
Phone: +1 (847) 634-6700 or (800) 423-0422  
Fax: +1 (847) 913-8766

### Zebra Technologies Europe Limited

*European Headquarters Office*  
Zebra House  
The Valley Centre, Gordon Road  
High Wycombe  
Buckinghamshire HP13 6EQ, UK  
Phone: +44 (0) 1494 472872  
Fax: +44 (0) 1494 450103

### Zebra Technologies Europe GmbH

*Regional Sales Office—Germany*  
Birkenwaldstr. 38  
63179 Obertshausen  
Germany  
Phone: +49 (0) 6104 959135  
Fax: +44 (0) 6104 959111

### Zebra Technologies Corporation

*Regional Sales Office—Asia/Pacific*  
301 Geylang Road #04-05  
Geylang Centre, Singapore 389344  
Phone: +65-842-0322  
Fax: +65-842-0366

### Zebra Technologies Corporation

*Regional Sales Office—Latin America*  
4300 N. University Dr., Suite C-200  
Ft. Lauderdale, FL33351 U.S.A.  
Phone: +1 (954) 747-5090  
Fax: +1 (954) 747-3655

\*Specifications listed are for base model printers with standard features only unless otherwise noted. Ask your Zebra representative for detailed specs for the printer recommended for your application.

[www.zebra.com](http://www.zebra.com)

Specifications subject to change without notice. All product and brand names are trademarks of their respective companies. All rights reserved. Contact your Zebra sales representative for specific information.

©1996 Zebra Technologies Corporation  
#11847LRev. 2 (12/97) Printed in U.S.A.



FM-33328  
An ISO 9001 registered company