

# B-SA4™ Specifications Chart

## CUSTOMER BENEFITS

- Easy to use high performance industrial printer
- Increased productivity and efficiency thanks to high speed printing
- Lower maintenance cost with user tool-less replacement of the print head and platen
- Superior output quality with high resolution printing
- High productivity easily operated

## USE CASE

[Logistics]  
Shipping/Receiving label, Address label, Pallet label  
[Manufacturing]  
Carton label, Rating label, Picking label, Parts label  
[Retail]  
Multiple labels(Price label shelf tag), Receipt  
[Healthcare]  
Healthcare label

## PHYSICAL CHARACTERISTICS

Dimensions      W: 9.4" (238 mm)  
                         D: 15.83" (402 mm)  
                         H: 13.1" (332 mm)  
Weight            37.5 lbs. (15 kg)

## PRINTER SPECIFICATIONS

Printer characteristics      Direct thermal  
   Thermal Transfer  
Resolution                    203 dpi, 300 dpi  
Memory                        16 MB (FROM)  
   16 MB (SRAM)  
Print Width                    203 dpi: 4.09" (104 mm)  
   300 dpi: 4.16" (105.7 mm)  
Print Speed                    Max. 6 ips  
Sensor                         Reflective, Transmissible

## MEDIA CHARACTERISTICS

Print Length                 <Direct Thermal>  
   Batch: 0.31" to 39.3" (8.0 to 997 mm)  
   Cut: 0.63" to 39.3" (16.0 to 997 mm)  
   Peel-off: 0.67" to 39.3" (17.0 to 997 mm)  
   <Thermal Transfer>  
   Batch: 0.51" to 39.3" (13 to 997 mm)  
   Cut: 0.63" to 39.3" (16.0 to 997 mm)  
   Peel-off: 0.67" to 39.3" (17.0 to 997 mm)  
Media Width                 Direct Thermal:  
   0.98" to 4.65" (25 to 118.0 mm)  
   Thermal Transfer:  
   0.98" to 4.45" (25.0 to 114.0 mm)  
Media Thickness             <Direct Thermal>  
   Batch: 0.08 - 0.17 mm  
   Cut mode: 0.08 - 0.17 mm  
   Peel-off: 0.13 - 0.17 mm  
   <Thermal Transfer>  
   Batch: 0.01 - 0.17 mm  
   Cut: 0.01 - 0.17 mm  
   Peel-off:0.13 - 0.17 mm  
Max Outer Roller Diameter      200 mm  
Core Diameter               1.5" (38 mm), 1.57" (40 mm), 1.65" (42 mm), 3" (76.2 mm)  
Media Type                    Vellum paper and labels, Matt coated paper, Glossy coated paper, Synthetic film, PET film, Polyimide

## RIBBON

Max Ribbon Roll            2.95" (75 mm)  
Diameter  
Standard Ribbon Length      450 m  
Ribbon Width                2.36" to 4.33" (60 to 110 mm)  
Ribbon Core Size            1" (25.4 mm)

## OPERATING CHARACTERISTICS

Operating Temp.            Direct Thermal; 0°C to 40°C (32°F to 104°F)  
   Thermal transfer: 5°C to 40°C (41°F to 104°F)  
Storage Temp.                -40 degF (-40 degC) to 140 degF (60 degC)  
Operating Humidity           25 to 85 % RH, non-condensing  
Storage Humidity             10 to 90 % RH, non-condensing  
Electrical                      100- 240 VAC, 50-60 Hz

## OPTIONS AND ACCESSORIES

Standard Interface            Centronics  
   USB 2.0  
   Ethernet 10/100 Base T  
Option                            Serial interface board (RS-232C) (B-SA704-RS-QM-R)  
   Wireless LAN interface board (B-SA704-WLAN-QM-R)  
   RFID module (B-SA704-RFID-U2-EU-R)  
   Cutter module (B-SA204-QM-R)  
   Strip module (B-SA904-H-QM-R)  
   300-dpi Print Head (B-SA704-TPH3-QM-R)  
   Expansion I/O Board (B-SA704-IO-QM-R)  
   Real Time Clock (B-SA704-RTC-QM-R)

## FONT / GRAPHICS / SYMBOLOGIES

Fonts                            Bitmap, Outline, Writable characters, Optional True Type  
Barcodes                        EAN8, EAN13, JAN8, JAN13, UPC-A, UPC-E, NW-7, CODE 39, CODE 93, ITF, MSI, CODE128, EAN128, Industrial 2 of 5, Customer Barcode, POSTNET, RM4SCC, KIX CODE, RSS14, GTIN, High Priority Customer Barcode  
2D Codes                        Data Matrix, PDF417, QR Code, Maxi Code, Micro PDF417, CP Code

## FUNCTIONS

Programming Language      TPCL, Basic Command Interpreter, ZPL  
Windows driver                Windows 98, Windows Me, Windows 2000, Windows XP  
   Windows 10/8/7/Vista (32/64 bit), Windows Server 2012/Server 2008 (32/64 bit)