

## Specifications

### Print Speed:

TSP654: 300 mm per second, 60 RPM  
TSP743: 7 in (177.8 mm) per second, 60 lines per second at 3 mm per line (180 mm/sec)

### Print Width:

TSP654: 80 mm Paper: 2.83 in (80 mm) 58 mm Paper: 2.05 in (52 mm)  
TSP743: Standard: 2.83 in (80 mm) Optional: 2.05 in (52 mm), 3.15 in (80 mm)

### Line Spacing:

3 mm, 4 mm (1/8 in, 1/6 in)

### Resolution:

203 dpi (8 dots/mm)

### Number of Columns:

TSP654: 80 mm Paper: 24, 48 or Optional 64 (ESC/POS) 58 mm Paper: 17, 34 or Optional 46 (ESC/POS)  
TSP743: Standard: 48, 71 (maximum)

### Bar Codes:

TSP654: UPC-A/E, JAN/EAN-8/13, Code 39/93/128, Codabar (NW7), ITF  
TSP743: UPC-A/E, JAN/EAN-8/13, Code 39/93/128, Codabar (NW7)

### Paper Width:

Adjustable. Standard: 3.15 in (80 mm)  
Optional: 2.28 in (58 mm)  
TSP743 Optional: 3.25 in (82.5 mm)

### Paper Thickness:

TSP654: 0.002 in to 0.003 in (0.065 mm to 0.085 mm)  
TSP743: 0.003 in to 0.006 in (0.065 mm to 0.150 mm)

### Roll Diameter:

3.5 in (90 mm)

### Paper Roll Core:

1/2 in to 1.00 in (12 mm to 25.4 mm)

### Paper Path:

TSP654: Internal roll  
TSP743: Slot in rear or internal roll

### Paper Loading:

"Drop-in and print" and external rear feed

### Paper Sensors:

TSP654: Near end, paper out, cover open  
TSP743: Near end, paper out, top of form

### Printer Reliability:

60 million lines

### Cutter Reliability:

TSP654: 0.5 million cuts  
TSP743: 2 million cuts

### Data Buffer:

8K bytes

### Logo Store:

TSP654: 2 M bit  
TSP743: 4 M bit

### Emulation:

Star line mode, ESC/POS™ (TM-U295/TM290)

### Drawer Kickout Device Function:

2 drivers

### Auto Cutter:

Full and partial cut

### Drivers:

Windows® 95/98/2000/NT 4.0, Windows® legacy printer, OPOS, JavaPOS™, Star Raster Graphics Mode, Linux

### Operating Temperature:

41° F to 113° F (5° C to 45° C)

### Humidity:

10 to 90% RH (without condensation)



TSP654



TSP743

## Standard Features

- 203 DPI (8 dots/mm) print resolution
- Two-color printing (software enabled)
- Small footprint
- Easy load "drop-in and print" paper loading
- Adjustable paper width
- Logo storage utility for easy logo data
- Drawer kickout device function
- Cutter
- Easy to change "cartridge-type interface" RS-232 to parallel
- Swappable communication interface

### TSP743

- Label printing

## Specifications (cont.)

### Overall Dimensions:

TSP654 (W x H x D): 5.59 x 5.16 x 7.83 in (142 x 131 x 199 mm)  
TSP743 (W x H x D): 5.79 x 5.83 x 8.39 in (147 x 148 x 213 mm)

### Approvals:

UL and C-UL listed, FCC, TUV

### Warranty:

Three-year limited warranty on parts  
One-year limited warranty on print head and cutter

## APPROVALS



# Star® TSP654II/TSP743 II

Direct Thermal Printers

## Part Number/Price

Part #	Description	Est. Weight	Price
69910	TSP654II direct thermal, RS-232 with power supply, 115/230 VAC, wall mount bracket	7 lb	Consult
69907	*TSP743II direct thermal transfer, RS-232 with power supply, 115/230 VAC	8 lb	Consult
69908	*TSP743II direct thermal transfer, RS-232 only, 24 VDC	8 lb	Consult
85929	*TSP743II direct thermal, parallel without power supply	8 lb	Consult

\* If using for labels with black mark, request printer to be configured by Rice Lake Weighing Systems

## Options/Accessories

Part #	Description	Price
<b>TSP654</b>		
69903	Power supply, PS-60-24A	Consult
69917	One-ply thermal, (W) 3.125 in (75.44 mm, 2.97 in dia.) 7/16 core 230 ft	Consult
107041	MaxStick receipt paper for TSP654 3 1/8 wide 150 ft long adhesive strip	Consult
72309	Power supply, 12 VDC with vehicle cigarette lighter	Consult
71355	Parallel cartridge option	Consult
<b>TSP743</b>		
69919	Wall mount bracket	Consult
70598	Label, DTL, (W x L x D) 3 x 1 x 4 in, with black line timing mark 1,600 labels/roll	Consult
70597	Label, DTL, (W x L x D) 3 x 2 x 4 in, with black line timing mark 900 labels/roll	Consult
72471	Star programmer's CD	Consult
<b>Cables</b>		
15547	Blunt end, 25-pin D-sub male RS-232 serial interface cable, (Rice Lake indicators)	Consult
15568	25-pin D-sub male to 25-pin D-sub male RS-232 serial interface cable	Consult
72440	25-pin to nine-pin D-sub female cable	Consult