

Electronic Wiper Unit ▶

The wiper driven by an electronic solenoid is a device which makes the surfaces of fabrics beautiful in a neat work. And On/Off is selectable simply by selecting the parameter.



▼SPS/D-B1254□A-22 SPS/D-B1263□A-22

It offers every convenience including position control by operating the left and right feed plates separately when inserting sewing materials. And the user's application has been maximized by changing the operating steps of the left and right feed plates freely and making the plates turn into the integrated-type drive freely by selecting a parameter.

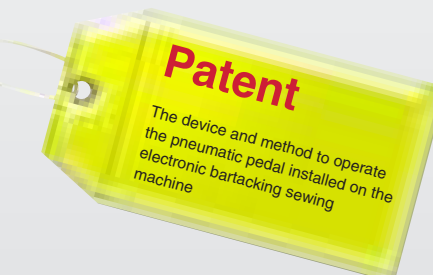
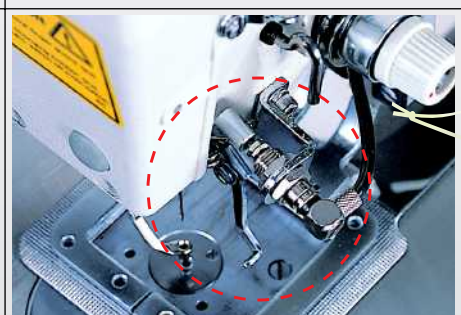
◀SPS/D-B1254□A-20 SPS/D-B1263□A-20

It manifests an excellent function in a pattern work and a Bartack work without any limit of the range of material thickness since the integrated-type feed plate of the basic type can lift up to 20mm at maximum.



Needle Cooler

The needle cooler prevents thread break caused by the high needle temperature during sewing work, therefore realizing more stable sewing environment.



▲Upper Thread Holding Device (Option)

It maintains remaining thread regularly required for sewing of the first stitch regardless of thread type after thread trimming. Therefore it provides stable condition for sewing of first stitch and improves productivity by reducing defective proportion.

SPS/D-BR1254H

SPS / D - B 1254

Specification

| Model | SP S/D - BR1254H | SP S/D - BR1254HC |
|------------------------|----------------------------------|--------------------------|
| Sewing Speed | 2500spm | |
| Sewing Area | 50mm X 40mm | |
| Stitch Length | 0.1~10mm | |
| Work Clamp Lift | 20mm | |
| Needle Bar Stroke | 41.2mm | |
| Needles | DP17 x #21, DP17 x #23 | DP17 x #25, DP17 x #26 |
| Take Up Lever Stroke | 72mm | |
| Hook | Full Rotary 3-Fold Capacity Hook | |
| Number of Stitches | 10,000 Stitches | |
| Number of Patterns | 56 Patterns | |
| Memory | EP ROM | |
| Enlarging / Reducing | 20~200% | |
| Motor / Drive Type | AC Servo Motor 500W | |
| Height of Presser Foot | Air Cylinder Type | |
| Wiper | Air Cylinder Type | |
| Presser Foot | <input type="checkbox"/> | <input type="checkbox"/> |
| Second Thread Tension | X | <input type="checkbox"/> |
| Heat Cutter | X | <input type="checkbox"/> |
| Power | Free Voltage (110V / 220V) | |

Option >> Input Sewing Pattern Design Using of PDA/PC



User PDA

SSPDA for PDA Version

Download Method
1. IrDA Wireless Download
2. RS-232C Serial Download



User PC

SSPDA for PC Version



Applicable Machine
SPS-1201 Series SPS-1254 Series
SPS-1202 Series SPS-1263 Series

It is Convenient for Creating Pattern Design Using of PDA or PC
But, in Case of Wireless, it is Limited to PDA, and a User Needs Special Wireless Adaptor (Option)

* Specifications and appearance are subject to change for the improvement of products without prior notice.

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SunStar

Electronically Controlled Bartack Sewing Machine

SPS/D-BR1254H Series



>> Bartack Option Table of Patterns

| Application | For Heavy and General Materials | | | | |
|-----------------|---------------------------------|-----|----|-----|----|
| NO. | 1 | 2 | 3 | 4 | 5 |
| Pattern | | | | | |
| No. of Stitches | 28 | 28 | 36 | 36 | 42 |
| Sewing X(mm) | 10 | 16 | 10 | 16 | 10 |
| Area Y(mm) | 2 | 2.5 | 2 | 2.5 | 2 |

| Application | For Heavy and General Materials | | | | |
|-----------------|---------------------------------|-----|----|----|----|
| NO. | 6 | 7 | 8 | 9 | 10 |
| Pattern | | | | | |
| No. of Stitches | 42 | 42 | 42 | 56 | 64 |
| Sewing X(mm) | 16 | 16 | 24 | 24 | 24 |
| Area Y(mm) | 2 | 2.5 | 3 | 3 | 3 |

| Application | For Thin Materials | | | For Knit | | |
|-----------------|--------------------|-----|-----|----------|----|----|
| NO. | 11 | 12 | 13 | 14 | 15 | 16 |
| Pattern | | | | | | |
| No. of Stitches | 21 | 28 | 36 | 14 | 21 | 28 |
| Sewing X(mm) | 6 | 6 | 6 | 8 | 8 | 8 |
| Area Y(mm) | 2.5 | 2.5 | 2.5 | 2 | 2 | 2 |

| Application | Straight Line | | | | | |
|-----------------|---------------|----|----|----|----|----|
| NO. | 17 | 18 | 19 | 20 | 21 | 22 |
| Pattern | | | | | | |
| No. of Stitches | 21 | 28 | 28 | 36 | 41 | 44 |
| Sewing X(mm) | 10 | 10 | 25 | 25 | 25 | 35 |
| Area Y(mm) | 0 | 0 | 0 | 0 | 0 | 0 |

| Application | Length Wise | | | Length Wise Straight Line | | | Semi Circle | | | |
|-----------------|-------------|----|----|---------------------------|----|----|-------------|----|----|----|
| NO. | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | 32 |
| Pattern | | | | | | | | | | |
| No. of Stitches | 28 | 36 | 42 | 56 | 18 | 21 | 21 | 28 | 42 | 42 |
| Sewing X(mm) | 4 | 4 | 4 | 4 | 0 | 0 | 0 | 0 | 11 | 11 |
| Area Y(mm) | 20 | 20 | 20 | 20 | 20 | 10 | 20 | 20 | 7 | 7 |

>> Table of Standard Patterns

| NO. | Pattern | No. of Stitches | Sewing Area X(mm) Y(mm) | NO. | Pattern | No. of Stitches | Sewing Area X(mm) Y(mm) | NO. | Pattern | No. of Stitches | Sewing Area X(mm) Y(mm) |
|-----|---------|-----------------|-------------------------|-----|---------|-----------------|-------------------------|-----|---------|-----------------|-------------------------|
| 33 | | 75 | 50 40 | 34 | | 59 | 45 29 | 35 | | 59 | 30 40 |
| 36 | | 139 | 50 30 | 37 | | 159 | 50 40 | 38 | | 155 | 30 35 |
| 39 | | 219 | 50 40 | 40 | | 229 | 50 40 | 41 | | 335 | 45 40 |
| 42 | | 397 | 50 40 | 43 | | 84 | 30 30 | 44 | | 147 | 35 40 |
| 45 | | 56 | 33 30 | 46 | | 56 | 35 35 | 47 | | 74 | 3.6 36 |
| 48 | | 78 | 8 35 | 49 | | 116 | 31 31 | 50 | | 109 | 28 28 |
| 51 | | 136 | 28 28 | 52 | | 122 | 40 28 | 53 | | 152 | 34 31 |
| 54 | | 142 | 40 24 | 55 | | 65 | 30 8 | 56 | | 65 | 8 30 |

Note

- Pattern No. 33 to No. 56 are for label, sewing etc. work.
- Please work Pattern No. 1 to Pattern No. 32 after installing an option gauge suitable to the usage of Bartack work. (You should use the standard stitcher hook and the standard bobbin case certainly when doing a Bartack work.) (See between numbers of No. 1 to No. 32 and No. 47 to No. 56, use it after adjusting the medium sewing speed.) (Use than 1,800-2,000rpm.)
- The status of sewing shall be not uniform according to the kind of sewing materials and other conditions in case of patterns of Bartack work. In this case, please refer use of our company's SPS/C19-82201 series.
- Respect the above 55 patterns, it is available to provided with 49 patterns additionally. (Medium 99 patterns)

SPS/D-BR1254H Series

SPS/D-BR1254H Series made by SunStar high technology!
Realize more improved and developed automatic sewing system

>> Pleasant Working Environment

It can offer a pleasant and quiet working condition since V-belt is not used.

>> Outstanding Productivity

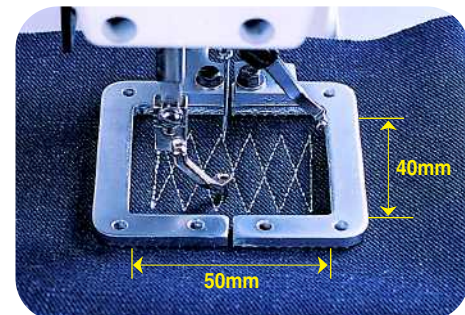
It has the maximum speed of 3200rpm, and the direct-motor method enables users to feel less fatigued.

>> Stable and Incredible Sewing Mechanism



- Stable and beautiful stitches are realized through the adoption of advanced seam mechanism and installation of highly reliable shuttle hook.
- By excellent X-Y motion control system, you can get a smooth and accurate sewing results. Also this model gives a good quality for such sections as bias or spline.

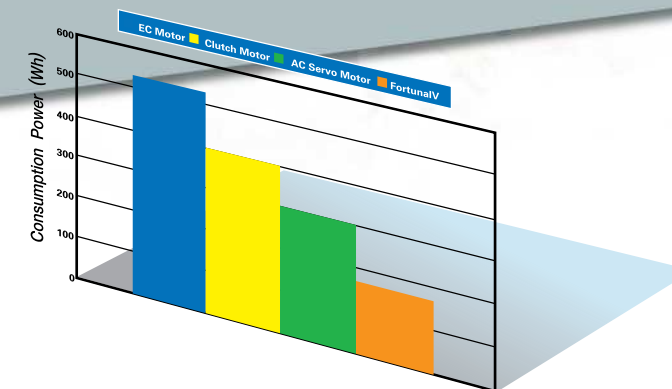
>> Best Performance



This machine accomplished the best sewing area (50mm X 40mm) for shaping, label attachment, safety belt sewing and complementary.

>> Energy Efficiency

SunStar's Direct Drive AC Servo Motor directly sends power to the upper shaft. This optimal design minimizes energy loss. Compared with existing AC Servo motors, it consumes much less energy.

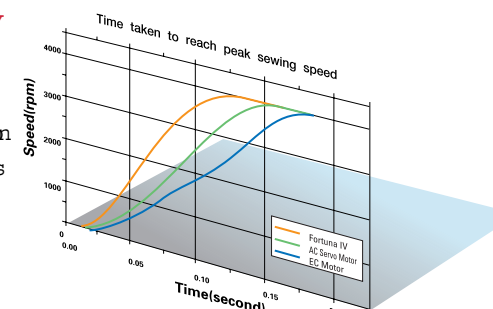


Direct Drive

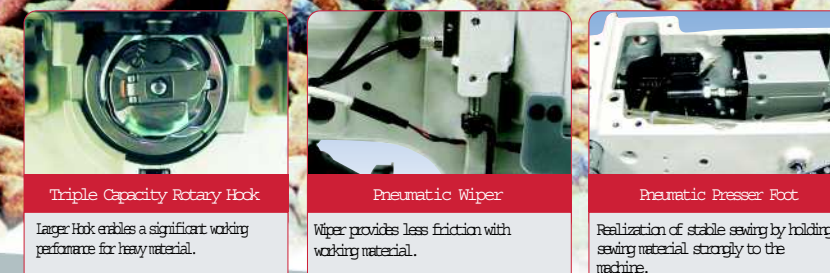


Equipped with 500W AC Servo Motor, the sewing machine can powerfully handle heavy materials.

Compared with competitors, more stable motor capability is offered (start filling under way). Based on 3-D CFD & CFE interpretation, it produces less noises and low vibration. The sewing machine can make accurate stop, and its prompt and smooth responsiveness leads to productivity enhancement.



>> Feature



Triple Capacity Rotary Hook
Large hook enables a significant working performance for heavy material.

Pneumatic Wiper
Wiper provides less friction with working material.

Pneumatic Presser Foot
Realization of stable sewing by holding sewing material strongly to the machine.

>> Operation Box

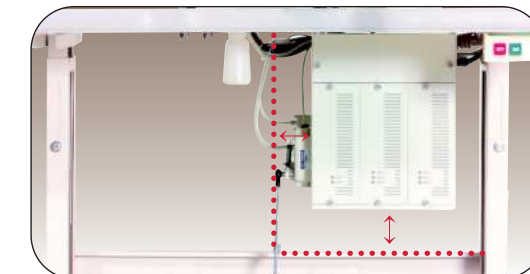


- Various functions can be used by pressing icons, and the setting can be done with one-touch operation. As such, even the first-time users can easily operate the machine.
- Up to 26 patterns can be registered in the memory. There are two function keys, which can combine up to 30 registered patterns. This function enables fast operation.
- The CF card enables a large number of patterns to be stored.
(CF Card Board: Optional)
(CF Card: User needs to purchase a card for use)



>> Control Box

- By lightening the control box, the working space under the table has been expanded.



- As a seamless rack type, fewer breakdowns occur, and maintenance becomes easier.

