SPS/A(B)-1306/1507 SERI

Electronically controlled, pattern sewing machine

SPS / A(B) - 1306 - -

SPS		/	A(B)			_	130	6				
SunStar pattern series		Motor type A Belt drive					Sewing area 1306 130mm x 60mm		Ap	Application G Medium material		
			В	B Direct drive			1507	150mm x 70mm	Н	Heavy material		
					- 🏻							
Stitc	Stitch					Feed plat type						
						10	Magne	et-driven feed plate				
S	Standard stitch					20	Pneun	matic monolithic feed plate				
						21	Pneumatic monolithic feed plate with two step stroke device					
Р	Perfect stitch					22	Pneumatic separately-driven feed plate [22-1 : Pneumatic separately-driven feed plate with two step stroke device]					
						23	Pneumatic separately-driven feed plate with inverting clamp device					

Specification

Model			130	6		1507			
		SPS/B-1306G	SPS/B-1306H	SPS/A-1306G	SPS/A-1306H	SPS/B-1507G	SPS/B-1507H	SPS/A-1507G	SPS/A-1507H
Application [material]		Medium	Heavy	Medium	Heavy	Medium	Heavy	Medium	Heavy
Max. sewing speed [spm]		2,500	2,500	2,500	2,500	2,500	2,500	2,500	2,500
Stitch length [mm]		0.1~12.7	0.1~12.7	0.1~12.7	0.1~12.7	0.1~12.7	0.1~12.7	0.1~12.7	0.1~12.7
Lift of the presser foot [mm] Auto		20	20	20	20	20	20	20	20
Lift of the feed frame		30	30	30	30	30	30	30	30
Needle bar stroke [mm]		41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2
Air pressure [MPa]		0.49	0.49	0.49	0.49	0.49	0.49	0.49	0.49
Sewing area [mm]	a X	130	130	130	130	150	150	150	150
	Υ	60	60	60	60	70	70	70	70
No. of input patterns		691	691	691	691	691	691	691	691
No. of input stitches		360,000	360,000	360,000	360,000	360,000	360,000	360,000	360,000
Needle		DPx5 #14	DPx17 #18	DPx5 #14	DPx17 #18	DPx5 #14	DPx17 #18	DPx5 #14	DPx17 #18
Hook	Drive type	Shuttle	Shuttle	Shuttle	Shuttle	Shuttle	Shuttle	Shuttle	Shuttle
	Position	Vertical	Vertical	Vertical	Vertical	Vertical	Vertical	Vertical	Vertical
	Capacity	x2	x2	x2	x2	x2	x2	x2	x2
Lubrication		Semi-auto	Semi-auto	Semi-auto	Semi-auto	Semi-auto	Semi-auto	Semi-auto	Semi-auto
Thread roll		0	0	0	0	0	0	0	0
Auto thread trimming		0	0	0	0	0	0	0	0
Feeding system		Pulse motor	Pulse motor	Pulse motor	Pulse motor	Pulse motor	Pulse motor	Pulse motor	Pulse motor
Motor		Servo motor (Direct)	Servo motor (Direct)	Servo motor	Servo motor	Servo motor (Direct)	Servo motor (Direct)	Servo motor	Servo motor

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

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PATTERN



SPS/A(B)-1306/1507 SERIES

Electronically controlled, pattern sewing machine





FEATURES

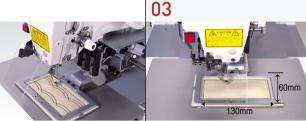
01



Wonderful sewing speed

By thorough study on every motion related to sewing, we have finally realized the marvelous sewing speed, maximum 2,500 spm.

02



Best

best sewing area

performance

· This machine accomplished the

(130mmX60mm) for shaping,

Productivity has been increased

hook and double capacity bobbin,

· Realizing the maximum capacity.

The maximum input number of

stitch for every pattern is up to

20 000 and also performs all

kinds of pattern composed of

· Great number of design can be

made because it has a built-in

FDD which is able to contain max. 360,000 stitches and 691 patterns

multi-needle stitches.

in every 2HD floppy disk.

by adopting the large shuttle

so you don't need to change

bobbin for thick material.

label attachment, part and

complementary work.

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.

04



Direct drive system provides excellent responsiveness and comfortable workingenvironment

- Direct drive system, newly developed by SunStar, means the motor is attached to the machine head directly. As the system connects the AC servo motor to the upper shaft using the coupling, the machine provides improved responsiveness and upgraded stopping accuracy so it is optimum for high quality
- · In addition, the durability of the machine is greatly improved since there is no radial load from the V-belt.
- · Direct drive system makes the installation job much easier and offers safe working environment.
- · Since the V-belt is removed, vibration and noise are reduced. So the machine offers comfortable working environment, high productivity and low eletric power consumption

05



Operation panel

1. Easy and simple operation

- · It's very convenient since operator can check data input error and thread cut right away on the monitor.
- · Even though you are an amateur, you can use the machine comfortably owing to the dialogue type operation panel.
- · You can save data input time by using shortcut button for frequently using function.
- · Since operation panel is movable, it's very comfortable for operator to make a design.

2. Excellent applicability

- · You don't need any reformation when you attach other accessories or pneumatic devices to the machine, because extra input and output ports are installed on the outside of control box.
- · You can change the electric power voltage simply by changing the connector position inside of control box.

3. Wonderful input & output

- · Input for line, arc, spline and circle is very simple.
- · Many kinds of stitches like as zig-zag, offset, automatic backtack, double forward/backward, condensing and overlapping stitches can be done very easily.
- · You can do jobs like transfering, copying, removing and symmetrizing by easy operation.
- · You can change the sewing and jumping speed even though machine is working.
- · You can select any kind of design and input data just by selecting function code.

FEED PLATE TYPE



SPS/A(B)-1306/1507HS-10

Magnet-driven feed plate



SPS/A(B)-1306/1507HS-20

Pneumatic monolithic feed plate

Since feed plate ascends up to the maximum 30mm and Presser foot, max. 20mm, every kinds of material can be set up easily.



SPS/A(B)-1306/1507HS-21

Pneumatic monolithic feed plate with two step stroke device

- This model is very convenient for precise position setting because of double step movement for feed
- You can adjust the middle stop position just by dial type nut operation.



SPS/A(B)-1306/1507HS-22

Pneumatic separately-driven feed plate

This machine is very good for doing a pattern work on the material which has two different height area because the frame is divided to two and works separately. You can adjust the left and right feed plate respectively to its proper height.



SPS/B-1306HS-22-1

Pneumatic separately-driven feed plate with two step stroke device



SPS/A(B)-1306HS-23

Pneumatic separately-driven feed plate with inverting clamp device

· This model is fit perfectly for attatching small materials like label, belt-claw, emblem, etc on the