Specifications/

S-7100A- 0

	Quick reverse	Thread wiper
3	0	_
1		

-		Application	
;	3	Light materials and Medium materials	
	5	Heavy materials	

S-7100A-	-303, -403	-305, -405
Application	Light materials and Medium materials	Heavy materials
Max, sewing speed	5,000sti/min*1	4,000sti/min
Max. stitch length	4.2mm	5mm
Thread take-up stroke	57.9mm	62mm
Needle bar stroke	31mm	35mm
Height of feed dog	0.8mm	1.2mm
Height of knee lifter	6mm(lifting lever) 13mm(knee lifter)	
Bed size	570 x 350 x 285mm	
Weight(Machine head)	37kg	
Arm pocket size	Width: 266.5mm, Height: 127mm	
Needle(DBx1, DPx5)	#11~#18	#19~#22
Lubrication oil	High-speed spindle oil	
Motor	AC servo motor(450W)	
Power*2	100V-110V, 200V-230V, 380V-400V	

^{*1} The stitch length is 2.0mm or below.

Optional parts/ Thread wiper device <SB4310001>





S-7100A is compliant with the RoHS Directive(the restriction of the use of certain hazardous substances **Compliant** in electrical and electronic equipment) which came into effect in the EU in July 2006.



Brother has established voluntary environmental standards for products and created the "Brother Green Label". S-7100A is certified as an environment-conscious sewing machine according to the "Brother Green Label" standard.



Working with you for a better environmen

Please read instruction manual before using the machine for safety operation.

-Product specifications are subject to change for improvement without notice. -Photographs are for illustration purpose. They may not represent actual operating conditions and may display optional parts.

CHINA ASIA **AMERICAS**

BROTHER MACHINERY SHANGHAI LTD. BROTHER MACHINERY (ASIA) LTD.

EUROPE AFRICA, MIDDLE EAST BROTHER INTERNATIONALE INDUSTRIEMASCHINEN GmbH **BROTHER INTERNATIONAL CORPORATION**

http://www.brother.cn/ +86-21-3135-3355 http://www.brother.com.hk/ +852-2777-0010

http://www.brother-ism.com/ +49-2822-6090 http://www.brother-usa.com/ +1-908-704-1700



1-5, Kitajizoyama, Noda-cho, Kariya-shi, Aichi 448-0803, Japan. Phone: 81-566-95-0088 Fax: 81-566-25-3721 http://www.brother.com/

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S-7100A

Single needle direct drive straight lock stitcher with thread trimmer

With Brother-developed direct drive motor and cutting-edge technology,

S-7100A offers user-friendly operation and high speed sewing without oil staining.

The new hook enhances sewing capability for a wide range materials.

- -Comfortable and high speed sewing
- -New hook enhances sewing capability
- -High reliable electrocal equipment
- -Needle breakage prevention function
- -Environment conscious

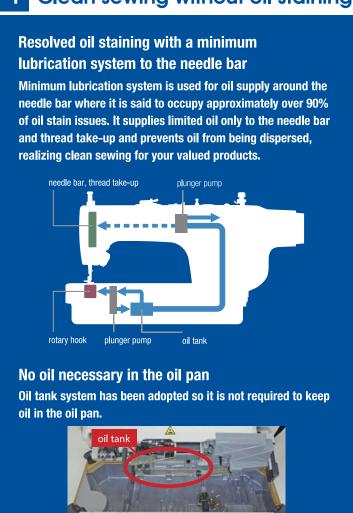


^{*2} Transformer box is necessary for except 200V

Speed & Clean

With Brother-developed direct drive motor and cutting-edge technology, S-7100A offers user-friendly operation and high speed sewing without oil staining. The new hook enhances sewing capability for a wide range materials.

Clean sewing without oil staining





The new hook enhances sewing capability

Same as S-7300A

The new hook is improved the thread cast off enables to expand sewing range for medium materials. It also enhances the sewing capability for heavy materials.

Medium materials Heavy materials S-7100A

Achieved 5,000 sti/min with high reliability

Same as S-7300A

The max. sewing speed achieved 5,000 sti/min, increasing the productivity. Brother-developed direct drive motor and control box maximize the sewing performance while operating at the high speed. The machine can

be used even areas where the power situation is unstable.

Stable rotary-type thread trimmer

The rotary-type thread trimmer performs constant and stable thread trimming regardless of materials of threads with easy adjustment.



LED handy light equipped as standard

LED handy light is equipped as standard which integrated with the actuator switch.

The brightness can be adjusted on the operation panel.



Needle breakage prevention function

When reverse stitching is carried out with the actuator switch, needle breakage may

With thorough analysis of its cause, the function preventing the needle breakage has been introduced.



Same as S-7300A

Great needle 5 penetration force

Same as S-7300A

Powerful motor outputs large amounts of torque even at slow speeds so that strong needle penetration force can be obtained. If the needle penetration resistance increases, vibration control (intermittent impact) automatically increases the penetration force.

8 High energy saving

The power consumption of the machine is approximately 50% less than that with the V-belt driven system (with an AC

This direct drive sewing machine offers the best energy saving in the industry.

