

Specifications/

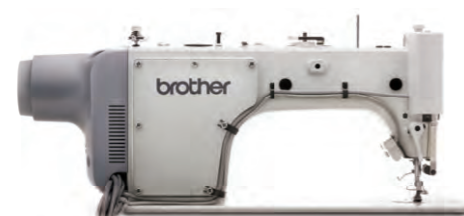
S-7000DD-0

	Quick reverse	Thread wiper		Application
3	<input type="radio"/>	-	3	Light materials and Medium materials
4	<input type="radio"/>	<input type="radio"/>	5	Heavy materials

S-7000DD-	-303, -403	-305, -405
Application	Light materials and Medium materials	Heavy materials
Max. sewing speed	4,500sti/min	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*	100V-110V, 200V-230V, 380V-400V	

*Transformer box is necessary for except 200V.

Optional parts/ Thread wiper device <SB4310001>



Advanced & Clean

RoHS Compliant

S-7000DD is compliant with the RoHS Directive(the restriction of the use of certain hazardous substances 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-7000DD is certified as an environment-conscious sewing machine according to the "Brother Green Label" standard.



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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.

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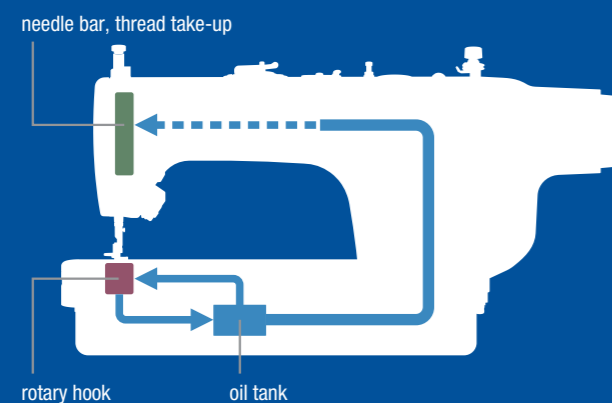
Advanced & Clean

With Brother-developed direct drive motor and cutting-edge technology, S-7000DD offers high reliability and clean sewing.

1 Clean Sewing without Oil Staining

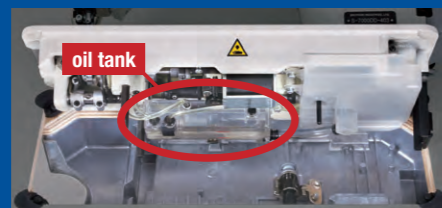
Resolved oil staining with a minimum lubrication system to the needle bar

Minimum lubrication system is used for oil supply around the needle bar where it is said to occupy approximately over 90% of oil stain issues. It supplies limited oil only to the needle bar and thread take-up and prevents oil from being dispersed, realizing clean sewing for your valued products.



No oil necessary in the oil pan

Oil tank system has been adopted so it is not required to keep oil in the oil pan.



2 Highly Reliable Electrical Equipment

Brother-developed direct drive motor and control box maximize the sewing performance. Since the electrical reliability has been increased, the sewing machine can be used even in areas where the power situation is unstable.



Control box

3 Built-in Operation Panel

The S-7000DD incorporates a user-friendly operation panel on the machine head. In addition to often-used start backtack and end backtack, other useful functions such as program sewing and lower thread counter are also supported.

4 Comfortable Sewing

With a direct drive system, the motor power reaches max. sewing speed quickly, contributing productivity enhancement. The control box is integrated with an oil pan under the machine body providing ample space behind the head. Installation with machine head is also easy thanks to separated machine head and control box.



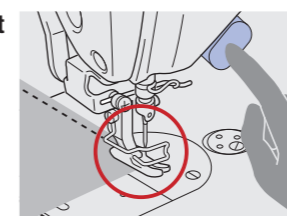
Ample space back

5 Great Needle Penetration Force

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.

6 Needle Breakage Prevention Function

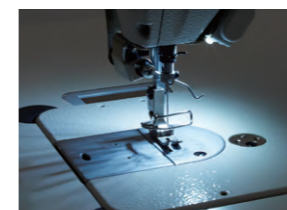
When reverse stitching is carried out with the actuator switch, needle breakage may occur. With thorough analysis of its cause, the function preventing the needle breakage has been introduced.



Image

7 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.



Handy light

8 High Energy Saving

S-7000DD realized industry's top-level high energy saving. The power consumption of the machine is approximately 50% less than that with the V-belt driven system (with an AC motor), elevating it almost equivalent to the S-7200C which is Brother's high-end lock stitcher.

<Comparison of power consumption>

