













Sapphire 850/830
EXCLUSIVE SENSOR SYSTEM

Features & Benefits



















The new way to Sew!

-  **EXCLUSIVE SENSOR SYSTEM** – Sensor Foot Up automatically raises and lowers presser foot to four positions, including Sensor Foot Extra Lift for maximum space to slide fabrics under foot. Sensor Foot Pivot senses the fabric thickness when stopping with needle down to raise foot to float position for pivoting. The Sensor Foot Pressure automatically adjusts for any fabric thickness for perfect even feeding.
-  **EXCLUSIVE SEWING ADVISOR** – Sets the best stitch, stitch width, stitch length, and sewing speed at the touch of a button. Simply enter the type and weight of the fabric you are sewing and the technique you want to sew, immediately the best stitch and settings are displayed on the GraphicDisplay with the recommended presser foot, thread tension, and needle size and type.
-  **LARGE EXTENDED SEWING SURFACE** – More sewing and fabric space than ever before. Huge sewing area from the machine side to the needle measures 250mm (10"). For easy sewing of small projects and circular techniques, the needle is positioned close to the end of the long free arm.
-  **GRAPHICDISPLAY** – All the sewing information you need to sew is displayed on the GraphicDisplay. See the stitch and any adjustments made to it in actual size before you sew. Adjust GraphicDisplay contrast in SET menu.
-  **EXTENDED DUAL STITCH PLATE GUIDE LINES** – Sew from the left or the right of the needle – the stitch plate has extended guide lines to 40mm (1 5/8") on both sides of the needle.
-  **DUAL LIGHTS** – Two lights illuminate needle and Extended Sewing Surface to make sewing easy and to eliminate eye strain.
-  **EXCLUSIVE SENSOR ONE-STEP BUTTONHOLE FOOT** – Sew perfect one-step buttonholes every time.
-  **PERFECTLY BALANCED BUTTONHOLES (PBB)** – Sews both sides of the buttonhole in the same direction for even balanced buttonholes. There are 7 buttonhole styles and an eyelet designed for various sewing applications. The Exclusive Sewing Advisor will select the best buttonhole for your fabric type and weight.
-  **UTILITY, SPECIALTY STITCHES AND ALPHABETS** – Sapphire 850 features 137 Stitches, 4 Alphabets (Block, Brush Line, Cyrillic, Hiragana). Sapphire 830 features 105 Stitches, 3 Alphabets (Block, Cyrillic, Hiragana).
-  **SWEDISH QUALITY** – Precision at its best! Superior European craftsmanship, quality precision workmanship, parts, and materials. Jam proof bobbin and no oiling needed means no oil on your fabric.



-  BUILT-IN NEEDLE THREADER - Makes threading so easy.
-  PROGRAM STITCHES, LETTERS AND NUMBERS to label and date, personalize and create.
-  Sapphire 850 features 15 PERMANENT MEMORIES, each memory saves up to 40 stitches or letters for a total of 600. Sapphire 830 features 10 PERMANENT MEMORIES, each memory saves up to 40 stitches or letters for a total of 400.
-  PROGRAMMABLE ALPHABET FONTS – Block, Brush Line, Cyrillic and Hiragana on Sapphire 850, Block, Cyrillic and Hiragana on Sapphire 830. Create quilt labels or personalize your project with up to 7mm wide letters.
-  SAVE TO “MY STITCHES” – Personal menu to save personal stitch/letter settings and programs.
-  29 NEEDLE POSITIONS – Sews a straight stitch in 29 different needle positions for perfect top stitching, edge stitching, under stitching, stitching-in-the-ditch, or quilting.
-  FIX FUNCTION – Locks your stitch at the beginning and/or at the end of your sewing, or select to stop sewing and tie off any stitches instantly.
-  STOP FUNCTION – Lets you finish and tie off stitch and/or stitch program automatically.
-  INSTANT AND PERMANENT REVERSE – To secure a seam and for mending. Sew all stitches in permanent reverse great for quilting or home decorating projects.
-  BOBBIN WINDS FROM THE NEEDLE – No need to unthread the machine.
-  AUTOMATIC BOBBIN THREAD PICK UP – Brings the bobbin thread up automatically.
-  THREE THREAD CUTTERS – Located at the bobbin winder, at the bobbin case for Auto Thread Pick up, and convenient to the needle for top and bobbin thread trims.
-  ERGONOMIC DESIGN AND LARGE FOOT CONTROL for ease of use.
-  ACCESSORY BOX FLAT BED EXTENSION at your fingertips.
-  NEEDLE STOP UP/DOWN WITH LED – Set the needle to stop up or down. LED light displays the setting.
-  NEEDLE UP/DOWN with a tap of the Foot Control – Tap the foot control to raise or lower the needle.
-  TWO BUILT-IN SPOOL PINS – Built-in spool pin can be used in either vertical or horizontal position. Built-in auxiliary spool pin can be used when winding a bobbin from a second spool of thread or for a second spool when sewing with a twin needle.
-  ELECTRONIC SPEED CONTROL WITH THREE SPEED LEVELS – Full piercing power at any sewing speed.
-  MIRROR SIDE-TO-SIDE – Mirror the selected stitch side-to-side for greater sewing ease and design opportunities.
-  EASY TOUCH STITCH SELECTION – Select the stitch by touching the stitch picture or the number of the stitch or scroll through menus and stitches with Navigator Arrows. Stitch comes up at recommended settings. Adjust length from 0 to 6 and stitch width from 0 to 7mm.
-  SET MENU – Change preset machine settings, make manual adjustments to automatic functions and set personal preferences.
-  FREE MOTION WITH ANY STITCH – Free Motion Floating and Free Motion Spring Action options for easy quilting and beautiful free motion embroidery.
-  TWIN NEEDLE SAFETY – Enter the size of the twin needle being used to automatically limit the stitch width and prevent needle breakage.
-  STRAIGHT STITCH SAFETY – Select the Straight Stitch Safety to eliminate needle breakage with straight stitch techniques.
-  12 LANGUAGES – Choose from 12 different languages including English, French, and Spanish in the SET menu.
-  9 SNAP-ON PRESSER FEET INCLUDED – Make it easy to sew special sewing techniques.

<i>Feature</i>	<i>Sapphire</i> 850 <small>EXCLUSIVE SENSOR SYSTEM</small>	<i>Sapphire</i> 830 <small>EXCLUSIVE SENSOR SYSTEM</small>
EXCLUSIVE SENSOR SYSTEM		
EXCLUSIVE SEWING ADVISOR		
LARGE EXTENDED SEWING SURFACE	250 mm (10")	250 mm (10")
GRAPHIC DISPLAY	64 x 48 mm	64 x 32 mm
EXTENDED DUAL STITCH PLATE GUIDE LINES	40 mm (1 5/8") on both sides of the needle	40 mm (1 5/8") on both sides of the needle
DUAL LIGHTS		
EXCLUSIVE SENSOR ONE-STEP BUTTONHOLE FOOT		
PERFECTLY BALANCED BUTTONHOLES (PBB)	7 PBB	7 PBB
UTILITY, SPECIALTY STITCHES AND ALPHABETS	137 Stitches, 4 Alphabets	105 Stitches, 3 Alphabets
SWEDISH QUALITY	Precision at its best!	Precision at its best!
BUILT-IN NEEDLE THREADER		
PROGRAM STITCHES, LETTERS AND NUMBERS	15 Permanent Memories	10 Permanent Memories
SAVE TO "MY STITCHES"		
29 NEEDLE POSITIONS		
FIX FUNCTION		
STOP FUNCTION		
INSTANT AND PERMANENT REVERSE		
BOBBIN WINDS FROM THE NEEDLE		
AUTOMATIC BOBBIN THREAD PICK UP		
THREE THREAD CUTTERS		
ERGONOMIC DESIGN AND LARGE FOOT CONTROL		
ACCESSORY BOX FLAT BED EXTENSION AT YOUR FINGERTIPS		
NEEDLE STOP UP/DOWN WITH LED		
NEEDLE UP/DOWN		
TWO BUILT-IN SPOOL PINS		
ELECTRONIC SPEED CONTROL WITH THREE SPEED LEVELS		
MIRROR SIDE-TO-SIDE		
EASY TOUCH STITCH SELECTION		
SET MENU		
FREE MOTION WITH ANY STITCH		
TWIN NEEDLE SAFETY		
STRAIGHT STITCH SAFETY		
12 LANGUAGES		
9 SNAP-ON PRESSER FEET INCLUDED		

Features & Benefits – Comparison Sheet

