bernette
SWISS DESIGN

My bernette All Model Comparison

bernette Model	b79	b77	b70 DECO	b38	b37	b35	b33	sew&go 1
GENERAL MACHINE FEATURES								
Machine Type	Sewing & Embroidery Computerized	Sewing Computerized	Embroidery Only Computerized	Sewing Electronic	Sewing Electronic	Sewing Mechanical	Sewing Mechanical	Sewing Mechanical
Space to the Right of the Needle The large sewing area offers plenty of room for big projects. The free arm is also convenient for sewing tubular items such as children garments or pant seams.	9"	9"	9"	6.7"	6.7"	6.7"	6.7"	5.9"
Workspace Height Additional height provides more room for quilt rolls and dimensional projects for overall sewing ease.	5"	5"	5"	4.3"	4.3"	4.3"	4.3"	4.3"
Centrally Located Touch Screen Everything at eye level; it is clear and easy to use. Use a stylus or fingertip to scroll through selections on the screen.	5" High Res Color LCD Touchscreen	5" High Res Color LCD Touchscreen	5" High Res Color LCD Touchscreen					
Stitch Display The display makes the stitch selection easy to read and easy to use.	LCD Adjustable Brightness	LCD Adjustable Brightness	LCD Adjustable Brightness	LCD	LCD	Printed on Machine Body	Printed on Machine Body	Printed on Machine Doa;
Stitch Selection Selecting stitch patterns via the stitch dials or touch panel is simple. On the b79, 77, 38, and 37, stitch length and width are pre-set with stitch selection, but are adjustable.	Touch Screen	Touch Screen	Touch Screen	Touch Panel	Cursor and Value Set Buttons	Soft Grip Selector Dials	Soft Grip Selector Dials	Selector Dial
Pull Out Drawer with Stitch Selection Chart and Quick Start Guide Drawer pulls out at base of machine to hold booklet including the stitch selection chart and quick start guide.				•	•			
Multi-function Knobs Easily accessible knobs for making stitch adjustments before and during sewing in .01 increments for smooth stitch transitions. Used in embroidery for composing and design alterations.	•	•	•					
Illumination LED illumination is provided over the needle area. Dimmable in Setup Program.	4 LED's Adjustable Brightness	4 LED's Adjustable Brightness	4 LED's Adjustable Brightnesss	LED •	LED •	LED •	LED •	LED •
Stitch Plate Detection The Stitch Plate Detection works like a security program, e.g. the stitch width is limited. This prevents the needle from accidentally hitting the stitch plate.	•	•	Only 1 Stitch Plate					

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bernette Creative Consultant (Sewing) Choose the type of fabric and sewing technique and the sewing consultant provides suggestions regarding the needle, foot and stabilizers. At the touch of a button, the settings are automatically set.	•	•	N/A					
Sewing Tutorial Sewing techniques and general instructions such as threading, etc. are shown at the touch of a button.	•		N/A					
Automatic 3-Step Needle Threader The 3-step operation makes it easier to operate, especially for new owners and beginners.	•	•	•	•	•	•	•	•
Motor Type The bernette line offers machine horsepower options for all types of sewers from the crafter to the discerning stitcher.	DC	DC	DC	AC	AC	AC	AC	AC
Feed Dog Drop A lever drops the feed dogs for free-motion stitching, darning, sewing buttons and other specialty sewing. The sew&go1 uses a darning plate to cover the feed dogs.	•	•	•	•	•	•	•	Darning Plate
Hook System The bernette CB hook provides fuss-free stitch quality. The bernette drop-in hook produces comparable stitch quality and allows for a 7 mm stitch width.	Drop-in	Drop-in	Drop-in	Drop-in	Drop-in	CB	CB	CB
Automatic Bobbin Winding Wind a bobbin quickly and evenly by engaging the bobbin winder and engaging the start/stop button.	•	•	•	•	•	Use Foot Control	Use Foot Control	Use Foot Control
Upper Thread Sensor When the upper thread breaks or runs out, the machine stops and shows a message. This can be activated or de-activated in Setup.	•	•	•					
Bobbin Thread Sensor When the bobbin thread is almost empty, the machine stops and shows a message. This can be activated or de-activated in Setup.	•	•	•					
Eco Mode Stand-by mode saves energy and offers child-proof lock. Eco Mode automatically becomes active in the event of a long work pause. Can also be activated at the touch of a button.	•	•	•					

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Automatic Thread Cutter The thread cutter automatically cuts the top and bottom threads when programmed or with the push of a button on the b38. The thread is cut and the foot is raised on the b70 series machines, and can be programmed to take 2-6 securing stitches.	•	•	•	•				
Manual Thread Cutters Ideally positioned thread cutting blades in needle area offers simple, safe cutting.	•	•	•	•	•	•	•	•
Automatic Presser Foot Lift Enjoy convenience with the automatic presser foot lower and lift. Press on the foot control to lower the foot to begin sewing. At the end of cutting, the foot lifts automatically.	•	•	•					
Two Level Presser Foot Lift For sewing particularly thick fabrics or multiple layers, the presser foot is raised extra high for easy positioning of work.	• Also when using Knee Lifter	• Also when using Knee Lifter	•	•	•	•	•	•
Electronic Foot Control The electronic foot control aides in consistent speed regulation, starts and stops.				•	•	•	•	•
bernette Foot Control with Back-kick Enjoy consistent control plus a back-kick function to raise and lower the needle. Take 1 full stitch using the front and a half stitch with the heel.	•	•						
Programmable Foot Control Replace the back-kick function with securing stitches, cutting both threads and raising the presser foot.	•	•	N/A					
Start/Stop with Slide Speed Control As an alternative to the traditional foot control, the machine can be powered using the Start/Stop button, and the speed regulated with the Slide Speed Control.	•	•	•	•	•			
Freearm The snap-in sewing table/accessory box is removable providing access to the free arm, convenient for sewing tubular items such as pant hems, cuffs, and children's items.	•	•		•	•	•	•	•
USB Ports Conveniently update your own machine with downloadable firmware and a USB. For machines with embroidery, access and save motifs.	1		1					

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SEWING FEATURES								
Maximum Sewing Speed (stitches per minute) The bernette machines provide consistent needle penetration and stitch formation at all speed levels.	1000	1000	1000	820	700	860	860	750
bernette Dual Feed The simultaneous fabric feed from above and beneath the fabric ensures even feeding of hard-to-manage fabrics with beautiful results. Retractable when not needed. Only use presser feet with the back opening when engaging Dual Feed mechanism.	•	•	N/A					
bernette Free Hand System Knee operated lifter raises the presser foot, raises and lowers the foot keeping your hands on the fabric while guiding and pivoting.	•	•						
Maximum Stitch Length (mm) The variable stitch length provides a smooth transition from length to length and is adjustable while sewing. The b70 series width is adjustable in 0.1 mm steps, which allows for exact fine tuning.	5 mm	5 mm	N/A	5 mm	5 mm	4 mm	4 mm	4 mm
Maximum Stitch Width (mm) The stitch width is adjustable while sewing. The 7mm maximum stitch width on the b38 and b37 and b70 series expands design possibilities. The b70 series width is adjustable in 0.1 mm steps, which allows for exact fine tuning.	7 mm	7 mm	N/A	7 mm	7 mm	5 mm	5 mm zig-zag stitch only variable stitch	5 mm zig-zag stitch only variable stitch
Needle Positions Multiple needle positions allow for very precise sewing. The b37, b33, and sew&go 1 have two pre-set needle positions available in the straight stitch pattern only.	15	15	N/A	15 Straight Stitch Pattern only	15 Straight Stitch Pattern only	Straight Stitch variable infiniely from center to far left	Straight Stitch variable from far left to center-14 increments	2 Straight Stitch 1-Center 1-Right
Needle Up/ Down The needle can be programmed to stop in the raised (up) or lowered (down) position.	•	•	N/A	•	•			
Auto Preset of Stitch Width and Length When a stitch is selected, the machine automatically sets the recommended stitch width and length, but settings are adjustable.	•	•	N/A	•	•	On 5 mm stitches	On 5 mm stitches	On 5 mm stitches

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Temporary Altered Stitch Memory Stitch settings are remembered during the sewing session. This saves time when repeating stitches in a project.	•	•	N/A					
bernette Stitch Designer Create your personal stitches or easily modify existing stitch patterns on the screen. Turn straight stitch patterns into triple stitch patterns	•		N/A					
Twin Needle Capability Straight and decorative stitch capabilities are expandable with twin needle stitching. Some machines have a Security Function to limit width (to help prevent needle breakage).	• Security Function for 2.0, 2.56 and 3.0 mm twin needles	• Security Function for 2.0, 2.56 and 3.0 mm twin needles	N/A	• Security Function	•	•	•	•
Memory/Stitch Combinations Altered stitches or stitch combinations including lettering can be created and stored.	•	•	N/A	Up to 50 patterns in a combination				
bernette Personal Program Record your individually altered stitches for future retrieval. Saved until deleted from the personal program memory.	•	•	N/A					
Automatic Securing Program Automatically sews 6 stitches forward and 6 stitches backward when selecting Securing Program #5.	Securing Program #5	Securing Program #5	N/A	Mode 1 : 7 Mode 2 : 07	Stitch Pattern 07			
Securing Button Automatically secures a single pattern or combination by adding some on the spot stitches at the finish. The number of securing stitches can be programmed in Setup.	•	•	N/A	Auto-lock button	Auto-lock button			
Securing Stitch If the function is activated in Setup, 4 securing stitches are sewn automatically at the pattern start after the thread cut.	•	•	N/A	Locking Stitch Mode 2:11	Locking Stitch 14			
Stitch Editing-Length and Width Stitch editing functions, including length, width.	•	•	N/A	•	•	•	Length Only Preprogrammed Width	Length Only Preprogrammed Width
Stitch Editing-Mirror Image of Stitch Patterns Sew the mirror image of a stitch pattern with options.	L/R Up/Down	L/R Up/Down	N/A	L/R				
Pattern Begin Start sewing at the beginning of a pattern or sequence wherever you stopped.	•	•	N/A					

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Pattern End No more half-finished patterns; machine stops after pattern is complete when Pattern End is added to the Securing function in Setup Program.	•	•	N/A	• Auto-Lock Function	• Auto-Lock Function			
Stitch Pattern Length and Density of Satin Stitches The pattern length of satin stitches can be enlarged and the density can be reduced.	•	•	N/A					
Pattern Repeat Program the machine to stop at the end of a programmed number of 9 repeats for single stitches or stitch combinations.	•	•	N/A					
Basting Stitch Baste seams, hems and quilts.	Stitch #21	Stitch #21	N/A					
Continuous Reverse Sew backwards at a touch of a button/function. Works with most stitch patterns.	•	•	N/A	•	•			
Quick Reverse Sewing With reverse sewing, seams are secured at the beginning and end of the sewing process. The Quick Reverse button can be programmed for either Reverse Sewing or Backstepping.	•	•	N/A	•	•	Manual Lever	Manual Lever	Manual Lever
Backstepping The stitch pattern is accurately sewn in reverse stitch by stitch.	•	•	N/A					
Combi-mode In Combi-mode, stitch patterns and alphabets can be combined. Each combination can hold up to 20 stitches. Patterns created in the Stitch Designer (b79 only) cannot be integrated in the pattern combinations.	•	•	N/A	Can combine up to 50 stitches				
Recommended Presser Foot Indicator Indicator shows recommended presser foot for general use of stitch selected. Other presser feet that are also suitable are marked in the list with a star. For each foot, you can access additional information about the application.	•	•	•	Suggested foot shows on screen	Suggested foot shows on screen			
Presser Foot Sole Display Access a library of suggested presser feet. (Touching a sole on the screen of the b79 opens and information screen about the chosen sole.	•	•	•					

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Program Hover Function Activate Hover with a quick tap of the Start/Stop button to reposition the project. Program Hover to work with the Needle Stop Down function to Pivot. Adjustable height of 1 to 6 mm.	•	•	N/A					
Program Hover Height Adjust the distance between the stitch plate and the presser foot in Setup.	•	•	N/A					
Balance Adjustment Correct distorted stretch stitches with the balance adjustment.	On-screen Visual	On-screen Visual	N/A	•	•			
Presser Foot Pressure Adjustment Foot Pressure is adjusted by the turn of a dial to eliminate skipped stitches on thick fabrics and wavy seams on knits. The thicker the fabric, the lower the presser foot pressure.			N/A	•				
Presser Foot Pressure - Electronically Adjustable Depending on the application, the presser foot pressure can increased or reduced and allows an optimal fabric feed on thick or very thin fabrics.	•	•	N/A					
Presser Foot Pressure in Setup Program When the function is activated, the presser foot pressure will be regulated automatically to suit the thickness of the fabric. The machine detects a thick seam or different layers of fabric.	•	•	N/A					
Thread Tension Adjustment Thread tension is adjusted by a dial to accommodate fabric type & stitch type.			N/A	•	•	•	•	•
Electronic Upper Thread Tension Upper thread tension is preset for each stitch and embroidery motif, but can be adjusted.	•	•	•					
Setup Program In Setup Program, individual settings can be changed permanently so the machine can be adapted and personalized to meet the needs of the user.	•	•	•					
Buttonhole Stitching Repeatable buttonholes that match the size of your selected button are created with a four step sequence.							• Four-Step Buttonhole	• Four-Step Buttonhole
Buttonholes Length will automatically be determined by the button inserted in the buttonholer plate. Both beads are sewn in the same direction (from front to back) which gives an equal and uniform result with just one step.	•	•	N/A	•	•	•		

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SEWING STITCH PACKAGES								
Total Stitches	500	500	N/A	394	50	23	15	10
Utility Stitches including stretch	22	22	N/A	20	17	14	14	8
Darning Programs	2	2	N/A	2	2			
Decorative Stitches	133	133	N/A	67	19	8		1
Quilting Stitches	35	35	N/A	25	7			
Buttonholes / Eyelets	14 / 2	14 / 2	N/A	7 / 1	4 / 1	1 / 0	1 / 0	1 / 0
Button Sew-on Program	1	1	N/A					
Alphabets	3	3	N/A	3				
FEET AND BASIC ACCESSORIES								
Number of Feet Included	10	8	2	8	5	7	5	
Feet as Standard	Shank w Soles: -Zigzag * -Overlock * -Buttonhole w Slide -Zipper * -Blindstitch * -Button Sew-on -Emb (Sewing) -Free-motion Emb Foot -Emb Foot -Hopper Emb Foot *for Dual Feed	Shank w Soles: -Zigzag * -Overlock * -Buttonhole w Slide -Zipper * -Blindstitch * -Button Sew-on -Emb (Sewing) -Free-motion Emb Foot *for Dual Feed	-Embroidery Foot, -Hopper Emb Foot	Shank with Soles: -Zig-zag -Overlock -Zipper -Satin Stitch -Open-toe -Blindstitch -Buttonhole -Button Sew-on	Shank w Soles: -Zigzag -Zipper -Satin Stitch -Buttonhole -Button Sew-on	Shank w Soles: -Zig-zag -Zipper -Satin Stitch -Blindstitch -Buttonhole -Button Sew-on -Hemmer	Shank w Soles: -Zigzag -Zipper -Blindstitch -Buttonhole -Button Sew-on	Shank w Soles: -Zigzag -Buttonhole -Zipper -Button Sew-on

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Snap-in Accessory Box with Storage	•	•		•	•	•	•	•
Straight/CutWork Stitch Plate included as standard	•		•					
bernette Free Hand System Knee Lifter for Sewing	•	•						
Large Extension Table	• 30x44 cm	• 30x44 cm	N/A	•	Optional			
Cover	Premium Softcover	Premium Softcover	Softcover	Hardcover	Softcover			Soft cover
Carrying Bag			Optional	Optional	Optional	Optional	Optional	Optional
Rolling Suitcase			Optional	Optional	Optional	Optional	Optional	Optional
WARRANTY	10 years Mechanical; 2 years Electronic; 2 years Electrical	10 years Mechanical; 2 years Electronic; 2 years Electrical	10 years Mechanical; 2 years Electronic; 2 years Electrical	10 years Mechanical; 2 years Electronic; 2 years Electrical	10 years Mechanical; 2 years Electronic; 2 years Electrical	10 years Mechanical; 2 years Electronic; 2 years Electrical	10 years Mechanical; 2 years Electronic; 2 years Electrical	5 years Mechanical

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EMBROIDERY FEATURES		
Embroidery Speed (stitches per minute) Enjoy high speed for completing embroidery projects quicker.	850	850
Embroidery Field Large embroidery field reduces multiple hoopings on a project.	10.2" x 6.3" 260 mm x 160 mm	10.2" x 6.3" 260 mm x 160 mm
Embroidery Tutorial Important tips and information about working with the embroidery module is available at the touch of a button which can be opened when needed.	•	•
Automatic Hoop Detection The attached hoop is automatically detected by the embroidery module.	•	•
Automatic Feed Dog Lowering The feed dog is automatically lowered when the embroidery module is attached to the machine. It is raised again as soon as the embroidery module is removed from the machine.	•	•
Drag and Drop Editing in Embroidery Drag and Drop Editing allows for fast positioning of embroidery motifs.	•	•
Add Designs On Screen Use Add to combine motifs and lettering on screen. For combinations with multiple elements, individual layers or whole combinations can be selected and edited.	•	•
Word Art / Text Bending Add lettering to projects using curved baselines. Adjust letter spacing to create the best look.	•	•
Move, Rotate, and Mirror Image Designs Move designs through drag and drop or the Multi-function knobs; Rotate in 1 degree increments and Mirror Image embroidery motifs for optimal placement on projects.	•	•
Rescale Designs Proportionally Enlarge or reduce motifs proportionally on screen within a range of +/- 20%.	•	•
Adjust Lettering Stitch Density Change Stitch Density of lettering to complement varied fabric. Can be modified in 20% increments between 60% and 140%.	•	•
Absolute Check Design placement tool – stitch by stitch. Check individual stitch locations for precise placement on the project from the Edit screen. Hoop must be attached and as stitches are selected on screen, the needle moves to that location in the hoop. Provides accurate placement for non-linear designs and irregular shaped projects.	•	•

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Check Box Design placement tool. Needle traces a box shape on hooped project indicating area to be stitched. Selection for centering available; perfect for square or linear motifs or projects.	•	•
Save Designs Edited patterns or combinations can be stored directly on the embroidery machine or on a USB Stick.	•	•
Thread-up Command Push the needle up/down button to lower and raise the needle to bring the bobbin thread to the top of the fabric so the threads can be secured manually. Perfect for quilting and free-standing lace.	•	•
Thread Away Mode An automatic, quick movement of the hoop ensures thread tails are pulled free and to the wrong side of the project. Set on/off as desired depending on motif.	•	•
Change Thread Brand and Color Quickly change thread color and/or brand on screen to suit your project at hand.	•	•
Stitch Motif as Single/Multi-Color Stitch an entire motif in one color without stopping or as a multi-color design.	•	•
Built-in Embroidery Basting Use the built-in basting stitch to baste around your motif if desired.	•	•
Cut Connecting Stitches Connecting stitches between colors or objects will be cut by default. This feature can be disabled for special threads such as metallic.	•	•
Embroidery Sequence Control This feature helps you reposition the stitches after a thread breaks. You can travel forwards or backwards in single steps, or in 50 stitch increments. You can also choose to use the arrows on the sides of the color bar to travel forward or backward by color.	•	•
View Stitch-out Time, Thread Colors, Size, Stitches View design details at a glance.	•	•

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EMBROIDERY DESIGN PACKAGES		
Built-in Embroidery Designs Select from an assortment of built-in motifs for ready embellishment of projects.	208	208
Built-in Embroidery Alphabet Fonts Select from a variety of alphabets for easy personalization.	7	7
Reads Multi-format Designs No need to convert. Reads VP3, VIP, PEC, HUS, DST, EXP, JEF, PES	•	•
EMBROIDERY ACCESSORIES		
Embroidery Hoops as Standard	Small, Medium, Large Closure system with quick release lever	Small, Medium, Large Closure system with quick release lever
Embroidery Foot as Standard	Embroidery Foot JL Hopper Embroidery Foot JX	Embroidery Foot JL Hopper Embroidery Foot JX
Straight Stitch/Cutwork Plate as Standard	•	•
ToolBox Modular software. Editing and Lettering are bundled with the machine.	•	•
CutWork Tool Compatible With the CutWork Tool, a lot more design possibilities will open up. It can be used to cut out Appliqué fabric or multiple layers for patchwork or to embroider cutwork designs. Easy to use, the tool is inserted instead of the needle and there is no need to change foot and stitch plate. Use with Embroidery Foot IL	•	•
EMBROIDERY CONNECTIVITY / SOFTWARE		
USB Connection Enjoy rapid and direct connectivity for design transfer and updates.	1	1
BERNINA ARTlink 8 Embroidery Software Mirror, Rotate and Rescale motifs. Open and save designs in multiple formats.	Free Download	Free Download
ToolBox Modular software. Editing and Lettering are bundled with the machine. (The Monogram module can be purchased separately.)	•	•
BERNINA Embroidery Software 8 **DesignerPlus** Expand your embroidery horizons with professional quality software.	Optional	Optional
DesignWorks CutWork Software Use to create and edit your own designs for CutWork.	Optional	Optional