

**DESIGNER™ SEWING AND EMBROIDERY MACHINE COMPARISON CHART**


KEY FEATURES	DESIGNER EPIC™	DESIGNER BRILLIANCE™ 80	DESIGNER TOPAZ™ 50	DESIGNER TOPAZ™ 40	DESIGNER JADE™ 35
Exclusive SEWING ADVISOR®	Yes, extended with <i>JoyOS ADVISOR™</i> feature	Yes, extended with <i>JoyOS ADVISOR™</i> feature	•	•	•
Exclusive SENSOR SYSTEM™	+Feed teeth drop with extra lift	+Feed teeth drop with extra lift	•	•	
<i>deLuxe™</i> Stitch System	•	•			
<i>mySewnet™</i> and Wifi Capabilities	•	•			
Display Type	Large 217x136mm (10.1") full-color capacitive touch screen with 180° viewing angle and high resolution (1280x800)	154.2x85.9mm (7") full-color capacitive touch screen with high resolution (1024x600)	70x53mm (3.5") color touch screen with 320x240 resolution	70x53mm (3.5") color touch screen with 320x240 resolution	72x35mm (3") monochrome graphic display with 128x64 resolution
Designs Included	651	569	159	100	70 on USB
Multi-Size Embroidery Fonts	8	5	2	1	1
Built-In Stitches	807 Can be upgraded with more stitches	555 Can be upgraded with more stitches	261	208	120
Programmable Sewing Fonts	5 can also be embroidered	5 can also be embroidered	5	4	2
Large Sewing Surface	310mm (almost 12") to the right of the needle, 140mm (5.5") height	250mm (almost 10") to the right of the needle, 103mm (4") height	250mm (almost 10") to the right of the needle	200mm (almost 8") to the right of the needle	200mm (almost 8") to the right of the needle
<i>JoyOS ADVISOR™</i>	•	•			
<b>JOYOS ADVISOR™ FEATURE</b>					
Quilting Advisor	•	•			
Enhanced SEWING ADVISOR®	•	•			
EMBROIDERY ADVISOR™	Yes, extended with <i>JoyOS ADVISOR™</i> feature	Yes, extended with <i>JoyOS ADVISOR™</i> feature			
Interactive Tutorials	•	•			
Sewing Projects	•	•			
Quick Start Guide	•	•			
Stabilizer Guide	•	•			
Workbook	•				
Built-In User's Guide with Search Function	•	•			

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Maximum Embroidery Size	360x350	360x350	360x200	240x150	240x150
Design Positioning	Full	Full	Basic	Basic	
Design Appliqué	•	•			
Design Shaping	•	•			
Included Embroidery Hoops	Imperial Hoop 360x260mm (14.25"x10.25"), Crown Hoop 260x200mm (10.25"x8"), Splendid Square Hoop 120x120mm (4.75"x4.75")	Royal Hoop 360x200mm (14.25"x8"), Crown Hoop 260x200mm (10.25"x8"), Splendid Square Hoop 120x120mm (4.75"x4.75")	Royal Hoop 360x200mm (14.25"x8"), Splendid Square Hoop 120x120mm (4.75"x4.75")	Jewel Hoop 240x150mm (9.6"x6")	Jewel Hoop 240x150mm (9.6"x6")
DESIGNER™ Majestic Hoop 360x350 (14.75"x13.75")	Optional	Optional			
Touch and Hold for Smart Toolbox	•	•			
Smart Save	• In sewing, embroidery edit, and embroidery stitch-out	• In sewing, embroidery edit, and embroidery stitch-out			
Resize Design with Stitch Recalculation	•	•			Within the included PREMIER+™ INTRO software. Windows and MAC compatible.
Embroidery Customize on Screen	•	•	Up to 10 designs	Up to 5 designs	Unlimited with the included PREMIER+™ INTRO software.
Permanent Memories	mySewnet™ cloud and USB embroidery stick	mySewnet™ cloud and USB embroidery stick	My Files + USB embroidery stick	My Files + USB embroidery stick	USB embroidery stick
Possibility to Embroider Buttonholes in the Hoop	•	•			
Sew Decorative Stitches in the Hoop	•	•			
Tapering in Embroidery Mode	•	•			
Intelligent Color Block Sort	•	•			PREMIER+™ INTRO embroidery software included
Color Block Merge	•	•			
Grouping of Designs	•	•			
Add Grid to Screen for Placement	•	•			

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Go to Exact Embroidery Stitch Number	•	•			
Change Design Stitch Out Order	•	•			
Undo/Redo When Creating Design Combinations	•	•			PREMIER+™ INTRO embroidery software included
Color Edit	Change design colors Change background color Select monochrome	Change design colors Select monochrome	Select to sew in color or monochrome	Select to sew in color or monochrome	Select to sew in color or monochrome
Baste in Hoop	2 options	2 options	•	•	•
Selective/Automatic Thread Cutter with Automatic Jump Stitch Trim	•	•	•	•	Automatic Thread Cutter
My Hoops	•	•	•	•	
Rotate Designs	1° increments	1° increments	1° increments	1° increments	1° increments when using included PREMIER+™ INTRO software
Embroidery Time Countdown by Color	•	•	•	•	
Zoom and Pan	•	•	•	•	
Check Size and Placement Before Embroidering	•	•	•	•	•
Load and View Multi-Format Designs	•	•	•	•	PREMIER+™ INTRO embroidery software included
Scale Design	•	•	•	•	•
Step Through Embroidery by Color and Stitch-by-Stitch	•	•	•	•	•
Cursor Mark On-Screen While Embroidering	•	•	•	•	
<b>EXCLUSIVE PATENTED SEWING TECHNIQUES</b>					
Dimensional Sequin Stitches	22	10			
Dimensional Pop-Up Stitches	15	5			
Dimensional Appliqué Stitches	31	13			
<b>SEWING FEATURES</b>					
Side-Motion Sewing	•	•			

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Taper Stitch Select Angles (18 angles)	•	•	•		
Directional Sewing (4-Way and 8-Way)	•	•			
Perfectly Balanced Buttonholes with Sensor One-Step Buttonhole Foot	16 buttonholes 3 eyelets sew on button	11 buttonholes 1 eyelet sew on button	9 buttonholes 2 eyelets sew on button	7 buttonholes 1 eyelet sew on button	6 buttonholes 1 eyelet
29 Needle Positions	•	•	•	•	•
Stitch Positioning	•	•	•	•	
My Stitches Menu	100MB memory available using <i>mySewnet™</i> cloud	100MB memory available using <i>mySewnet™</i> cloud	24 memories	20 memories	1 memory
Stitch Pattern Re-Start	•	•	•	•	
Fix Tie-Off Function	•	•	•	•	•
Free Motion Sewing	2 modes: free motion floating, free motion spring action	2 modes: free motion floating, free motion spring action	2 modes: free motion floating, free motion spring action	2 modes: free motion floating, free motion spring action	Free motion spring action
Twin Needle Setting	• Stitch preview	• Stitch preview	• Stitch preview	• Stitch preview	•
Stop Function	•	•	•	•	•
MACHINE FEATURES					
Light System	Market leading LED light, adjustable brightness	LED technology and light guides	Rows of LED light	3 LED lights	3 LED lights
Quick Wind Bobbin - Separate Motor	•	•			
Straight Stitch Plate with Sensor	•	•			
Maximum Sewing and Embroidery Speed ( <i>stitches per minute</i> )	1000 SPM	1000 SPM	800 SPM	800 SPM	800 SPM/700 SPM (sewing)
Electronic Piercing Power	Pulsating needle force 150NWT	Pulsating needle force 150NWT	90NWT	90NWT	•
Needle Threader	Automatic	Manual	Manual	Manual	Manual
Sew with Embroidery Unit Attached	•	•			
Feed Teeth Drop	Automatic for sewing and embroidery	Automatic for sewing and embroidery	Automatic (Embroidery) Semi-automatic (Sewing)	Automatic (Embroidery) Semi-automatic (Sewing)	Automatic (Embroidery) Manual (Sewing)

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Electronic Self-Adjusting Thread Tension	+ <i>deLuxe</i> ™ Stitch System	+ <i>deLuxe</i> ™ Stitch System	•	•	•
Interchangeable Dual Feed Foot	Included	Included	Optional	Optional	Not available
Lighted Thread Area	•				
Updates via Internet	Through WiFi or USB Stick	Through WiFi or USB Stick	Via USB stick	Via USB stick	Via USB stick
Extended Metric/Imperial Stitch Plate	Guidelines up to 65mm on both sides of the needle	Guidelines up to 40mm on both sides of the needle	Guidelines up to 40mm on both sides of the needle	Guidelines up to 40mm on both sides of the needle	Guidelines up to 40mm on both sides of the needle
Built-In Stylus Holder	Not needed due to the tablet-like touch screen	Not needed due to the tablet-like touch screen	•	•	
Quick Help System On Screen or Printed	Quick Help, Index Help	Quick Help, Index Help	Quick Help	Quick Help	
Speed Control	5 sewing speeds	5 sewing speeds	5 sewing speeds	5 sewing speeds	5 sewing speeds
USB Connectivity	2 USB ports for embroidery stick	USB port for embroidery stick	USB port for included embroidery stick	USB port for included embroidery stick	USB port for included embroidery stick
HUSQVARNA VIKING® USB Embroidery Stick Included	<i>mySewnet</i> ™ cloud	<i>mySewnet</i> ™ cloud	•	•	•
Embroidery Unit Bag Included	•	•			
Slide-On Accessory Tray	Double sided	Double sided	•	•	•
Free Embroidery Software Download, Including QuickFont	•	•	•	•	PREMIER+™ INTRO embroidery software included
Top and Bobbin Thread Sensor	•	•	•	•	Top thread sensor
Screen Saver with Start Up Screen	•	•	•	•	
Lock Screen Option	•	•	•	•	
Instant and Permanent Reverse	2 options	•	•	•	•
Permanently Lubricated	•	•	•	•	•
Jam-Proof Rotary Hook	•	•	•	•	•
Automatic Bobbin Thread Pick-Up	•	•	•	•	•
Sew With or Without Foot Control	•	•	•	•	•
Multiple Languages	•	•	•	•	•
Snap on Presser Feet	•	•	•	•	•
Designed & Engineered in Sweden	•	•	•	•	Designed in Sweden