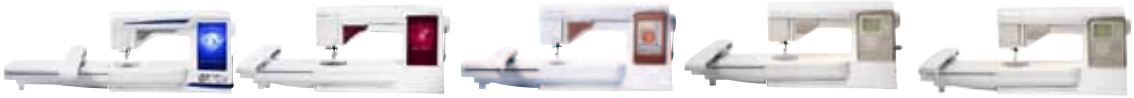
Husqvarna VIKING®

DESIGNER™ series Comparison Chart



KEY FEATURES	DESIGNER DIAMOND *Royale*™	DESIGNER RUBY *deLuxe*™	DESIGNER TOPAZ™ 50	DESIGNER TOPAZ™ 30	DESIGNER TOPAZ™ 20
deLuxe™ Stitch System	●	●			
EXCLUSIVE SENSOR SYSTEM™	+ Feed teeth drop with extra lift	+ Feed teeth drop with extra lift	●	●	●
Exclusive SEWING ADVISOR®	●	●	●	●	●
Exclusive EMBROIDERY ADVISOR™	●	●	●		
Display type	Ultimate Interactive Full Color Wide View Touch Screen 8.0" (174x104mm)	Large Interactive Full Color Touch Screen 5.7" (116x87mm)	Large Interactive Full Color Touch Screen 3.5" (70x53mm)	Graphic Display Monochrome 3.0" (63x48mm)	Graphic Display Monochrome 3.0" (63x48mm)
Built-in stitches	698 Can be upgraded with more stitches	498 Can be upgraded with more stitches	261	163	105
All stitches including letters, characters etc.	1250	1052	719	620	368
Designs included	233 built-in designs 175 Classic collection	162 built-in designs 175 Classic collection	159 built-in designs	75 designs on USB Embroidery stick 27 on Bonus CD	75 designs on USB Embroidery stick
Multi-Size embroidery fonts	4	4	2	1	1
Embroidery Unit size	Large	Medium	Medium	Medium	Small
Royal Hoop 14¼"x8" (360x200mm)	●	●	●	●	
Crown Hoop 10¼"x8" (260x200mm)	●				●
Splendid Square Hoop 4¾"x4¾" (120x120mm)	●	●	●	●	●
DESIGNER™ Majestic Hoop 14¼"x13¾" (360x350mm)	Optional				
Higher Embroidery Speed	●				
Select screen appearance	●				
Design Appliqué - Choose from shapes or alphabet and create appliqués right on the screen	●				
Design Shaping	●				
Design Positioning – Match your embroideries perfectly every time	Full	Full	Basic		
Resize design with stitch recalculation	●	●			
Embroidery Customize on screen	●	●	●		
Selective Thread Cutter with Automatic Jump Stitch Trim	●	●	●	●	
Large Sewing Surface – 250mm (almost 10") to the right of the needle	●	●	●	●	●
Light System	Adjustable E LIGHT™ Adjust light intensity and color (LED)	Rows of light emitting diodes (LED)	Rows of light emitting diodes (LED)	2 light bulbs	2 light bulbs
USB Connectivity	Embroidery stick, Cable to computer	Embroidery stick, Cable to computer	Embroidery stick	Embroidery stick	Embroidery stick
UPDATES via internet	Via PC USB Cable or USB Embroidery Stick	Via PC USB Cable or USB Embroidery Stick	Via USB Embroidery Stick	Via USB Embroidery Stick	Via USB Embroidery Stick

EMBROIDERY FEATURES	DESIGNER DIAMOND *Royale*™	DESIGNER RUBY *deLuxe*™	DESIGNER TOPAZ™ 50	DESIGNER TOPAZ™ 30	DESIGNER TOPAZ™ 20
Color Block Sort – Eliminate color changes with a touch	●				
Color Block Merge – Eliminate color stops in large or combined designs	●				
Grouping of designs – Create a group of selected designs on screen for editing	●				
Smart Save – Remembers your place in embroidery	●	●			
Possibility to embroider buttonholes in the hoop	●	●			
Undo/redo when creating design combinations	●	●			
Change Design stitch out order	●	●			
Tapering in embroidery mode	●	●			
Sew decorative stitches in the hoop	●	●			
Design-Select – select one or many embroideries for editing.	●	●			
Touch & Hold for easy handling of designs, files and more	●	●			
Select designs from thumbnail pictures	●	●	●		
Go To Exact Embroidery Stitch Number	●	●	●		
Zoom and Pan	●	●	●		
Load and View Multi-format Designs	●	●	●		
Add grid to screen for placement	●	●			
Embroidery Time Countdown by Color	●	●	●		
Cursor mark on-screen while embroidering	●	●	●		
Color Edit	Change design color, 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
Rotate designs	One degree increments	One degree increments	One degree increments	90 degree increments	90 degree increments
Baste in hoop	2 options	2 options	●	●	●
Scale design	●	●	●	●	●
Step through embroidery by color and Stitch-by-Stitch	●	●	●	●	●
Check size and placement before embroidering	●	●	●	●	●
My Hoops – Select hoops you own	●	●	●	●	●

SEWING FEATURES	DESIGNER DIAMOND *Royale*™	DESIGNER RUBY *deLuxe*™	DESIGNER TOPAZ™ 50	DESIGNER TOPAZ™ 30	DESIGNER TOPAZ™ 20
Dimensional Stitches	●				
Interchangeable Dual Feed Included	●	Optional	Optional	Optional	Optional
Straight Stitch Plate with Sensor	●				
Side-motion sewing	●	●			
Taper Stitch Select Angles – Choose from 18 different angles	●	●	●		
Directional Sewing – 4-way and 8-way	●	●			
Sew with embroidery unit attached	●	●			
Permanent memories	My Files + USB Embroidery Stick	My Files + USB Embroidery Stick	My Files + USB Embroidery Stick		
Stitch pattern Re-Start	●	●	●	●	
Stitch width, 7mm	●	●	●	●	●
My Stitches Menu	48 memories	30 memories	24 memories	20 memories	15 memories
Programmable sewing fonts	6 Can also be embroidered	6 Can also be embroidered	5	5	3
PBB (Perfectly Balanced Buttonholes) with Sensor One-Step Buttonhole Foot	16 Buttonholes + 3 eyelets + sew on button	11 Buttonholes + 2 eyelets + sew on button	9 Buttonholes + 2 eyelets + sew on button	7 Buttonholes + eyelet + sew on button	7 Buttonholes + eyelet + sew on button
Stitches on screen	● Starting point of stitch indicated on screen	● Starting point of stitch indicated on screen	● Starting point of stitch indicated on screen	●	●
Speed control	5 sewing speeds	5 sewing speeds	5 sewing speeds	5 sewing speeds	3 sewing speeds
Twin Needle Setting	● The look of the stitch is shown on screen	● The look of the stitch is shown on screen	● The look of the stitch is shown on screen	●	●
Free Motion Sewing	2 modes Free Motion Floating and Free Motion Spring Action	2 modes Free Motion Floating and Free Motion Spring Action	2 modes Free Motion Floating and Free Motion Spring Action	2 modes Free Motion Floating and Free Motion Spring Action	2 modes Free Motion Floating and Free Motion Spring Action
Stitch Positioning	●	●	●	●	
Adjust Stitch; length, width, mirror image side-to-side and end-to-end	●	●	●	●	No mirror image end-to-end
Twin needle and stitch width safety	●	●	●	●	●
Sew with or without foot control	●	●	●	●	●
Light indicates Needle Stop Up/Down	●	●	●	●	●
FIX Tie-Off Function	●	●	●	●	●
Instant and Permanent Reverse	●	●	●	●	●
Stop Function	●	●	●	●	●
Snap on presser feet	●	●	●	●	●
29 Needle positions	●	●	●	●	●
Electronic piercing power	●	●	●	●	●

MORE FEATURES	DESIGNER DIAMOND *Royale*™	DESIGNER RUBY *deLuxe*™	DESIGNER TOPAZ™ 50	DESIGNER TOPAZ™ 30	DESIGNER TOPAZ™ 20
Lighted Thread Area	●				
Alarm Lights	●				
Embroidery Accessory Tray	●				
Embroidery unit soft bag included	●				
Needle Thread Tension/Portioning Compensations – Possibility to change settings to override the preset tension for special techniques or personal preferences and save as default	●	●			
Screen Saver with Start Up Screen	●	●	●		
Personalized Machine Sounds	Among sounds included in machine + user defined sounds	Among sounds included in machine			
Ability to use USB mouse	●	●	●		
Lock Screen Option	●	●	●		
Built-in Stylus holder	+ Lighted Stylus Area	●	●		
Quick Wind Bobbin – separate motor to wind bobbin while sewing or embroidering	●	●	●	●	
HUSQVARNA VIKING® 1GB USB Embroidery Stick	●	●	●	●	●
Free Embroidery software to download	●	●	●	●	●
Quick Help System directly on screen or printed	Quick Help, Index Help,	Quick Help, Index Help	Quick Help	Printed Quick Guides	Printed Quick Guides
Automatic feed teeth drop	Sewing and Embroidery	Sewing and Embroidery	Embroidery Only	Embroidery Only	Embroidery Only
Slide-on accessory tray	Double Sided	●	●	●	●
Top and bobbin thread sensor	●	●	●	●	●
Needle threader	●	●	●	●	●
Multiple languages	●	●	●	●	●
Electronic self-adjusting thread tension	+ *deLuxe*™ Stitch System	+ *deLuxe*™ Stitch System	●	●	●
Extended Dual Stitch Plate – Guidelines up to 40mm on both sides of the needle	●	●	●	●	●
Automatic bobbin thread pick-up	●	●	●	●	●
Jam-Proof Rotary Hook	●	●	●	●	●
Permanently lubricated	●	●	●	●	●
Hard cover carrying case	●	●	●	●	●
Designed and Engineered in Sweden	●	●	●	●	●

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