

eXcellence 580+

eXcellence 680+

TECHNICAL FEATURES



580+
Computerized sewing machine



680+
Computerized sewing machine

GENERAL

Machine size	W 475 × H 316 × D 223 mm	W 475 × H 316 × D 223 mm
Machine weight	9.8 kg	10 kg
Bed type	Free arm / flat bed convertible	Free arm / flat bed convertible
Free arm (length from the needle)	100 mm	100 mm
Sewing space	W 210 x H 120 mm	W 210 x H 120 mm
1 Screen type (size)	LCD (W 25,5 x H 68 mm)	LCD (W 25,5 x H 68 mm)
Control panel	Touch panel	Touch panel
Horizontal full rotary hook with clear bobbin cover	X	X
Horizontal spool pin	X	X
Auto declutch bobbin winder with integrated thread cutters	X	X
Easy and guided threading system with built-in thread cutter	X	X
3 Built-in needle threader Superior System	X	X
7-piece retractable feed dog	X	X
Drop feed sensor	-	X
Thread tension control	Semi-automatic	Semi-automatic
Presser foot pressure adjustment	Manual	Manual
Extra-high presser foot position	Manual	Manual
Clip-on easy conversion presser foot	X	X
4 One-step needle plate conversion	-	X
Lighting	4 built-in white LED lamps in 2 areas	6 built-in white LED lamps in 3 areas
Adjustable knee lifter	-	X
Remote thread cutter port	-	X
Stitch reference chart	Top cover	Top cover
5 Accessory storage	Arm and Elna-exclusive front storage	Arm and Elna-exclusive front storage

EASY-ACCESS FUNCTIONS WITH BUTTONS OR TOUCH PANEL*

	580+	680+
Start / Stop	X	X
Reverse	X	X
Automatic lock stitch	X	X
Up / Down needle position	X	X
Automatic thread cutter	X	X
Speed control slider	X	X
Direct stitch selection *	4 patterns	4 patterns
Memory (temporary) *	X	X
Twin-needle sewing *	X	X
Stitch mirror image *	X	X
Startover (pattern combinations) *	X	X

SEWING

	580+	680+
Number of stitches	120	170
2 Maximum stitch width (mm)	7	9
Maximum stitch length (mm)	5	5
One-step buttonholes	7	10
Typefaces	1	1
Alphabets	2	2
Capital letters and numbers available in 9 mm	-	X
Maximum number of stitches in pattern combination	50	50
Maximum sewing speed (spm)	820	1000
Variable needle positions	15	91



1

LCD SCREEN AND TOUCH PANEL

The wide screen displays key settings, such as stitch width and length or the appropriate foot for the selected pattern. The touch panel facilitates access to four stitches and to functions including programmable automatic thread cutter, memory, mirror image, twin needle sewing, start-over and elongation (680+).



2

7 OR 9MM STITCH WIDTH

You can choose between a stitch width of 7mm with the eXcellence 580+ or 9mm with the eXcellence 680+. Larger stitches will have more impact and expand your creative possibilities for decorative stitches and monogramming. In both versions, elna ensures highest precision and stitch quality.



3

SUPERIOR NEEDLE THREADER

The advanced design of the built-in superior needle threader ensures extreme precision and accuracy. With a few simple steps, this feature puts an end to fastidious threading and you can start sewing without delay.



4

ONE-STEP NEEDLE PLATE CONVERTER

Equipping the eXcellence 680+, our smart system allows for an effortless conversion of the needle plate in one step by simply pressing a button. No need for a screwdriver for switching from one needle plate to another and using the most suitable one for your project or fabric.



5

EXCLUSIVE ACCESSORY STORAGE

The unique accessory compartment in the front cover of the eXcellence 580+ and 680+ offers easy and permanent access to the most frequently used presser feet. This intelligent design is perfect for organizing the multiple standard accessories, which include 9 and 15 presser feet respectively.



6

EXTRA-WIDE EXTENSION TABLE

We know that comfort is essential for a passionate sewist. With the extra-wide extension table, you will enjoy expanded workspace and perfect stability also for large sewing projects. Measuring 50 x 30cm, it is provided as part of the standard accessory package of both our eXcellence 580+ and 680+.

ACCESSORIES STANDARD

	580+	680+
Standard foot A	X	X
Rolled hem foot D	X	X
Zipper foot E	X	X
Satin stitch foot F	X	X
Open-toe satin stitch foot F2	X	X
Blind hem foot G	X	X
Overlock foot M	-	X
Overedge foot C	X	-
¼" seam foot O	X	X
Closed-toe darning foot PD-H	-	X
Convertible free-motion quilting kit QB-S: - closed-toe foot - open-toe foot - clear-view foot	-	X
Even feed foot	-	X
Automatic buttonhole foot R	X	X
Stabilizer plate	-	X
Button sewing foot T	-	X
Circular sewing pivot pin	X	X

	580+	680+
Quilting guide bar	X	X
Quilting guide bar for even feed foot	-	X
Straight stitch needle plate	-	X
Bobbin	4 pcs.	5 pcs.
10 unit-kit Easy bobbins	-	X
Seam ripper	X	X
Needle set	X	X
Lint brush	X	X
Spool holder small (x2)	X	X
Spool holder large (x2)	X	X
Spool holder special (x2)	X	X
Additional spool pin	X	X
Screwdriver small	X	X
Touch panel stylus	X	X
Knee lifter	-	X
6 Extra-wide extension table (50 x 30 cm)	X	X
Foot controller	X	X
Semi-hard cover	X	X