

Computerized Sewing Machines

Comparison Chart



Key Features	OPAL™ 690Q	OPAL™ 670	OPAL™ 650	ONYX™ 30*
EXCLUSIVE SENSOR SYSTEM™ Technology	•			
EXCLUSIVE SEWING ADVISOR™ Feature	•	•	•	Sewing Guide Reference Chart
Thread Cutter Button	•	•		•
Bobbin Thread Sensor	•	•		
Display Type	Touch Screen	Touch Screen	LCD Graphic Display	LCD Graphic Display
Display Size	64 mm (2.5") x 48 mm (1.9")	64 mm (2.5") x 48 mm (1.9")	64 mm (2.5") x 48 mm (1.9")	66 mm (2.6") x 33 mm (1.3")
Sewing Space	200 mm (8")	200 mm (8")	200 mm (8")	163 mm (6.4")
Needle Threader	Integrated	Integrated	Integrated	Semi-Automatic
mySewnet™ App*				•
Electronic Self-Adjusting Thread Tension	•	•		
Built-In Stitches (Stitches, letters, characters, etc.)	565	557	420	300
Utility & Decorative Stitches	208	200	160	158
Programmable Fonts	4	4	3	2
Start/Stop Function (Sew without the foot control)	•	•	•	•
LED Lights	3	3	3	1
Drop Feed Teeth	•	•	•	•
Stitch Programming	12 Memories; 240 Stitches	8 Memories; 160 Stitches	4 Memories; 80 Stitches	0 Memories; 40 Stitches
Sewing Features				
Stitch Selection	Touch Screen	Touch Screen	Hard Key Selection	Hard Key Selection
Stitches on Screen in Real Size	•	•	•	
Needle Positions	29	29	29	15
Number of Presser Feet Included	10	7	7	8

* Some features require a paid mySewnet subscription.

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Buttonhole Styles	7	7	7	9
Exclusive Sensor One-Step Buttonhole Foot	•	•	•	One-Step Buttonhole Foot
Stitch Tie-Off Function	•	•	•	•
Needle Stop Up/Down	•	•	•	•
Automatic Tapering	•	•		
Pictogram Feature	•	•		
Mirror End-to-End	•	•		
Mirror Side-to-Side	•	•	•	•
Electronic Speed Control	5 Speeds	5 Speeds	5 Speeds	Adjustable Speed Slider
Maximum Sewing Speed	800 spm	800 spm	800 spm	1000 spm
Adjustable Stitch Length and Width	•	•	•	•
Maximum Stitch Length	6 mm	6 mm	6 mm	4.5 mm
Maximum Stitch Width	7 mm	7 mm	7 mm	7 mm
Stitch Elongation				•
Twin Needle Safety and Stitch Width Safety	•	•	•	
Adjustable Presser Foot Pressure	•	•	•	•
Instant and Permanent Reverse	•	•	•	Instant
Sew-on Button Program	•	•	•	•
Additional Features				
Machine Cover Included	Soft Cover	Soft Cover	Soft Cover	Soft Cover
Optional Extension Table	•	•	•	•