



DCS & Labelling Worldwide

The best-selling industry model

CL 'e' Series

The High Resolution, High Speed Performer

The SATO CL 'e' Series has proven to be the top choice for the industrial sector given its high speed and clear throughput. Incorporated with a rigid steel chassis that's enclosed in a durable steel cabinet, you can expect this sturdy series of printers to have a long life span, with upgrading and expansion options available.



CL408e/412e - CL608e/612e

General Specifications:



The Standard For Reliable
Barcode Printing

		CL408e	CL412e	CL608e	CL612e
Print Method		Direct Thermal / Thermal Transfer			
Print Resolution		203dpi (8dpm)	305dpi (12dpm)	203dpi (8dpm)	305dpi (12dpm)
Max. Print Area		W104mm x L1249mm (W4.1" x L49.2")	W104mm x L833mm (W4.1" x L32.8")	W152mm x L1249mm (W6.0" x L49.2")	W165mm x L833mm (W6.5" x L32.8")
Print Speed		50mm - 150mm/sec (2 - 6 ips)		100mm - 200mm/sec (4- 8 ips)	
Media Type		Roll or fan-fold die-cut labels, Plain paper stock, Tag stock, Continuous Stock			
Media Size	Width	22 - 128mm (0.86" - 5.0")		47 - 177mm (1.85" - 7.0")	
	Length	6 - 1249mm (0.24"-49.2")	6 - 833mm (0.24"-32.8")	19 - 1249mm (0.75"-49.2")	19 - 833mm (0.75"-32.8")
	Maximum Roll Length: 210M (689'), Maximum Roll Outer Diameter: 218mm (8.6")				
Ribbon	Thickness	Maximum 0.25mm			
	Width	Up to 111mm (4.4")		Up to 172mm (6.75")	
	Length	Up to 450M (1475')		Up to 410M (1345')	
Sensor Type	Thickness	4.5 micron, Wound Face-In			
	Adjustable transmissive-sensor position for die-cut labels & tags, Automatic sensing for continuous form,		Reflective sensor for use with pre-printed I-marks		
Processor		32-Bit RISC, 118MHz, Flash ROM: 2MB / 4MB (Option), Receive Buffer: 2.95MB (Buffer near full at 2MB)			
Interface Choices		Serial: RS232C (up to 57.6K bps), RS-422/485, Parallel: IEEE1284 (ECP), USB: Ver. 1.1, LAN: 10/100 Base T, Wireless LAN			
Barcode Symbologies	Elementary	UPC-A/E, EAN, JAN, CODE 39, CODE 93, CODE 128, UCC/EAN 128, Interleaved 2/5, Industrial 2/5, Matrix 2/5, NW-7, MSI, Postnet, Bookland			
	2-D	QR Code, PDF417, Maxi Code, Data Matrix, RSS-14			
Barcode Ratio		1:2, 1:3, 2:5, User definable bar widths, Programmable heights up to 999 dots			
Barcode Rotation		0°, 90°, 180°, 270°			
Matrix Fonts	Internal Font	XU 5x9, XS 17x17, XM 24x24, XB 48x48, XL 48x48, OCR-A 22x23, OCR-B 30x36 (Alphanumeric, symbols)			
		OCR-A 15x22, OCR-B 20x24	OCR-A 22x23, OCR-B 30x36	OCR-A 15x22, OCR-B 20x24	OCR-A 22x23, OCR-B 30x36
Graphic Support		SATO Hex/Binary or PCX Format			
External Connectors		Parallel: 36-pin Amp, Serial: DB-25, Ext (Accy): 14-pin Amp			
Functions	Useful Features	Status Report, Graphics, Sequential Numbering, Form Overlay Store, Customised Design Character, Font Decoration, Reverse Image, Line Print, Hex Dump Print, Format Store, Outline, Outline Variation, Label Skip, Zero Slash Switchover			
		Character expansion in 12 steps Vertically & Horizontally, RAM Storage for Special Characters, Full Dot Addressable Graphics, Sequential Numbering for Numbers & Barcodes, Form Overlay for High-Speed Editing of Complex Formats			
	Flexibility	Head Check, Paper End Detection, Ribbon-End Detection, Ribbon Near-End Detection (Remaining 30m-15m detection)			
		Head Open Detection, Memory Card Error Detection, Test Print, Cutter-Cover Opened Detection			
Self-Diagnosis Check					
Dimension		W271 x D430 x H321mm (W10.7" x D16.9" x H12.6")		W352 x D429 x H298mm (W13.7" x D16.9" x H11.7")	
Weight		13kg (28.6lb.)		19kg (41.8lb.)	
Power Requirements		110/220V (+/-10%), 50/60Hz (+/-1%), Idle: 50W, Operation: 130W		110/220V (+/-10%), 50/60Hz (+/-1%), Idle: 50W, Operation: 210W	
Environment	Operational	5~40°C (41-104°F) non-condensing, 15-85% RH			
	Storage	-5~60°C (23-140°F) non-condensing, Max 90% RH, ESD: 8kV			
Regulatory Approvals		FCC Class A, U/L, TUV, CE, CSA, CCC			
RFID (Option)		High Frequency (HF) & Ultra High Frequency (UHF)		Not Enabled	
Options	Label Cutter, Heavy-Duty Cutter, Label Dispenser, Internal Label		Label Cutter, Label Dispenser, Rewinder, Calendar,		
	Rewinder, Calendar, PCMCIA Add-On Memory,		4MB Internal Memory Expansion		
	4MB Internal Memory Expansion, RFID				

Regional Headquarters

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