

# Dot Matrix Printer Mechanism



**NEW**



MP411MB-24-A

■ Option



Ink Ribbon / RC100 (Purple)



Control Board / BD500

■ Characteristics

- High speed with 5lps print speed with logical seeking
- Capability of Bi-directional Chinese character printing for fast throughput
- Highest reliability with 9Mil.lines Life in the industry
- Black Mark Sensor as a standard capability
- Compact Size

## Serial Impact Dot Matrix **MP400** SERIES

■ Specifications

Model name		MP411MB-24-A
Printing method		Serial Impact Dot Matrix
Character specifications	Font	7×9 (half dot), 5×9
	Column capacity	32columns (2.25" Paper), 24columns (1.75" Paper)
	Character size	1.2mm (W)×2.42mm (H)
	Printable area	48mm (2.25" Paper), 36mm (1.75" Paper)
	Number of total dot	160 dots/line
	Line spacing	Min. 1/144"
Print Head	Voltage	24VDC±10%
	Peak current	Approx. 1A (at 24V, 364μs pulse width) Max. 1.1A (at 26.4V, 334μs pulse width)
PF & CR Motor	Type	PM Type Stepping Motor
	Voltage	24VDC±10%
	Drive Method	Bi-polar, Constant-current, Chopping, Approx. 0.25A
Print speed		2.25" Paper: Max. 5lps, at 32columns continuous printing 1.75" Paper: Max. 6lps, at 24columns continuous printing
Paper	Type	Roll Paper
	Width	57.5mm, 44.5mm
	Diameter	φ85mm Max.
	Thickness	0.07mm~0.1mm (Single ply)
	Copy capability	Original and two copies, Max. thickness 0.2mm
Ribbon Life		RC100P Purple: Approx. 1.5Mil. Characters
Drive Voltage		24VDC±10%
Reliability	Mechanism Life	9Mil. Lines
	Print head life	100Mil. Characters (at average 1.4dot/character)
Dimensions		94.8mm (W)×97mm (D)×54.5mm (H)
Weight		Approx. 408g (without Ribbon cassette)

\*Black Mark Sensor attached as standard. (can be used as PE sensor as well)





■ Option



Ink Ribbon / RC200 (Purple)



Control Board / BD500

■ Characteristics

- High speed with 4lps print speed with logical seeking
- Capability of Bi-directional Chinese character printing for fast throughput
- Highest reliability with 9Mil.lines Life in the industry
- Black Mark Sensor as a standard capability

MP512MB-24-A

## Serial Impact Dot Matrix **MP500** SERIES

■ Specifications

Model name		MP512MB-24-A
Printing method		Serial Impact Dot Matrix
Character specifications	Font	7×9 (half dot), 5×9
	Column capacity	42columns (3" Paper), 30columns (2.25" Paper)
	Character size	1.2mm (W)×2.42mm (H) (7×9 half dot)
	Printable area	63mm
	Number of total dot	210 dots/line
	Line spacing	Min. 1/144"
Print Head	Voltage	24VDC±10%
	Peak current	Approx. 1A (at 24V, 364μs pulse width) Max. 1.1A (at 26.4V, 334μs pulse width)
PF & CR Motor	Type	PM Type Stepping Motor
	Voltage	24VDC±10%
	Drive Method	Bi-polar, Constant-current, Chopping, Approx. 0.25A
Print speed		Max. 4lps, at 42columns continuous printing
Paper	Type	Roll Paper
	Width	76mm, 57.5mm
	Diameter	φ85mm Max.
	Thickness	0.07mm~0.1mm (Single ply)
	Copy capability	Original and two copies, Max. thickness 0.2mm
Ribbon Life		RC200P Purple: Approx. 3Mil. Characters
Drive Voltage		24VDC±10%
Reliability	Mechanism Life	9Mil. Lines
	Print head life	100Mil. Characters (at average 1.4dot/character)
Dimensions		122.5mm (W)×99.2mm (D)×54.1mm (H)
Weight		Approx. 457g (without Ribbon cassette)

\*Black Mark Sensor attached as standard. (can be used as PE sensor as well)



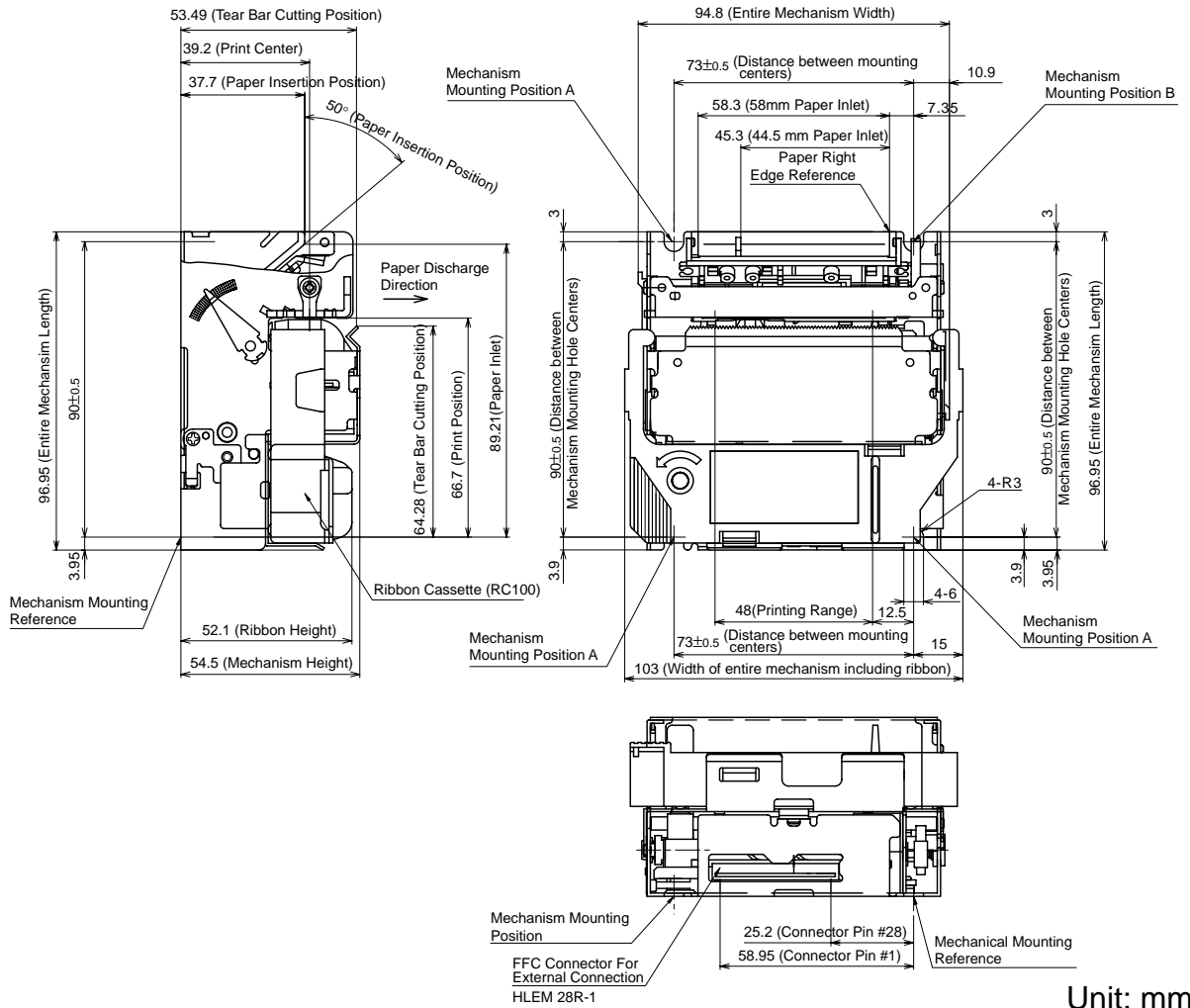
**STAR MICRONICS CO., LTD.**  
**ELECTRONIC PRODUCTS DIVISION**

536 Nanatsushinya, Shimizu, Shizuoka, 424-0066 Japan  
Tel: 81-543-47-0113 Fax: 81-543-48-5013

# External dimensions

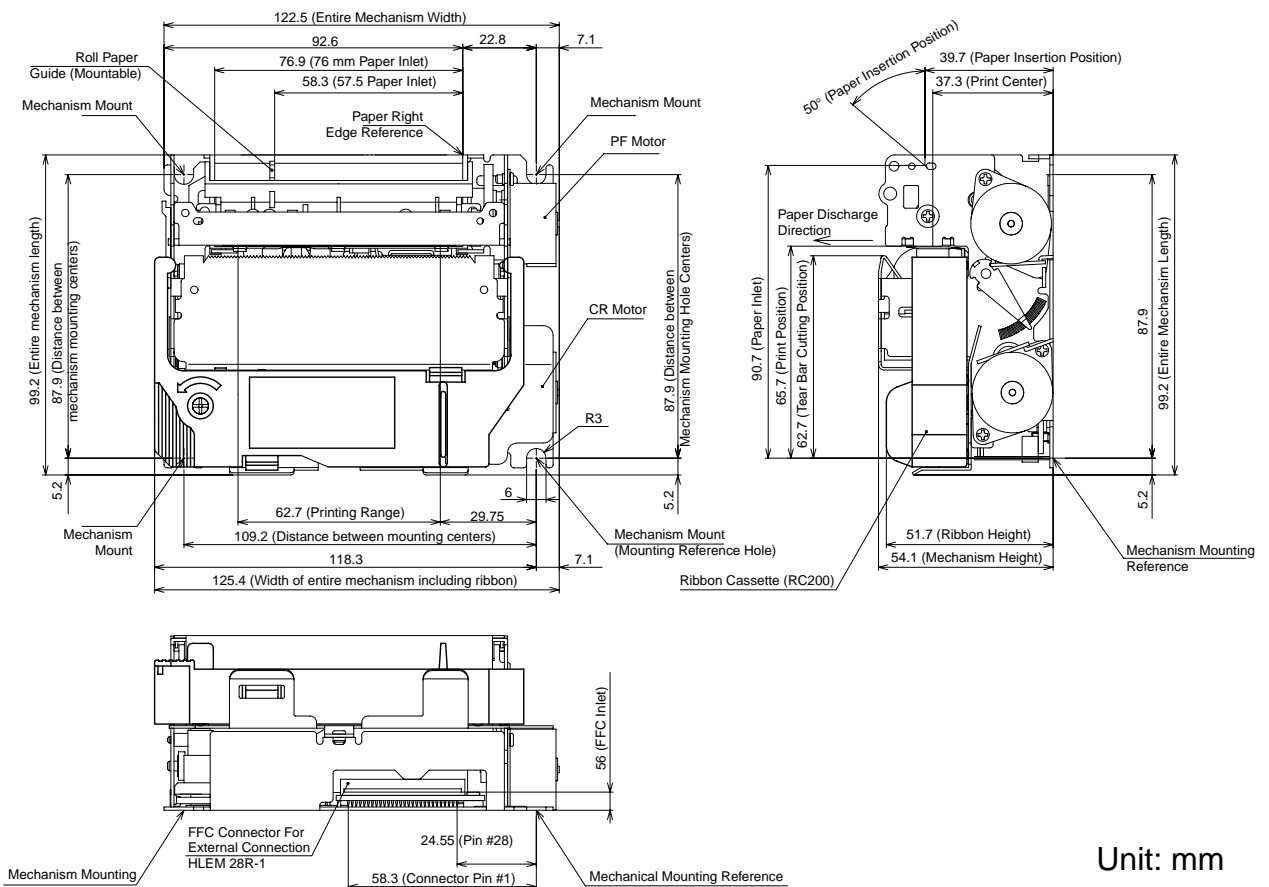


Serial Impact  
Dot Matrix  
**MP400**  
SERIES



Unit: mm

Serial Impact  
Dot Matrix  
**MP500**  
SERIES



Unit: mm