

IMPACT DOT MATRIX PRINTER MECHANISM

DP-61X SERIES



SPEED
3.0 line/sec.
Max.

DP-614



SPEED
2.4 line/sec.
Max.

DP-617



DP-61xF



DP-61xP



DP-614H/617H

Features

- 76mm paper width
- Print speed: Max. 3.0 lines/sec (DP-614)
- Selectable from Friction (type F) or Sprocket (type P) paper feeding
- 24V operation
- 2 color printing

Optional Accessories

→ P62-63

Auto cutter



AC-2

(Full cut or Partial cut)



ACS-134

(Full cut or Partial cut)

Paper winder

AW-2NC
(without outer case)

Ink ribbon cartridge



Red and Black
IR-61RB (IR606RB)



Black
IR-61B (IR606B)

Specifications

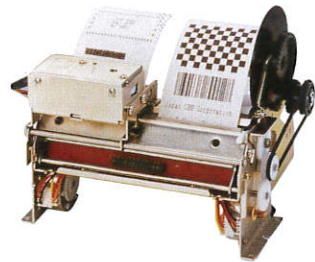
	DP-614	DP-617
Printing method	Serial impact dot matrix method	
Printing direction	Bi-directional	
Printing speed (lines/sec)	Approx. 3.0	Approx. 2.4
Total number of dots (dots/lines) *1	180 (360)	200 (400)
Number of columns	40 columns	
Font (W x H) *1	7 x 7 (9) matrix	
Character size (WxH) mm *1	1.36 x 2.4 (3.1)	1.2 x 2.4 (3.1)
Line spacing	C type: 4.23mm (1/6 inch), G type: 2.82mm (1/9 inch)	
Number of wires	9 pins	
Motor	Voltage: 24V +1/-2VDC / Current Peak approx. 1A / Average 0.2A or less	
Sensor	Reset pulse	Mechanical leaf switch
	Home position	Photo interrupter
Printing solenoid	Voltage: 24V ±1 VDC	
Printing feed solenoid	Voltage: 24V +1/-2 VDC	
Color change solenoid	Voltage: 24V +1/-2 VDC	
Paper feed	Friction or sprocket	
Paper feeding speed (lines/sec.)	Approx. 18	Approx. 15
Printing paper	Friction feed: 76mm ±0.5 x ø83mm, Sprocket feed: 76 to 89mm (fanfold paper)	
Paper thickness	Total thickness: 200µm or less	
Copy	Friction feed: 1 original + 1 copy, Sprocket feed: 1 original + 2 copies	
Ink ribbon cartridge	Two colors (Red and Black), Single color (Black)	
External dimensions	Two colors: 137 (W) x 136 (D) x 63.5 (H)mm	
	Single color: 134 (W) x 136 (D) x 63.5 (H)mm	
Weight	Approx. 690g	
Environment	Operation	0 to 50°C
	Storage	-25 to 70°C
Reliability	Mechanism	MCBF 4.0 million lines
	Pritner head	80 million characters

*1: Figures in () are available by including half-dot.

LINE THERMAL PRINTER MECHANISM LT-483



SPEED
80
mm/sec.
MAX.



Features

- 2 station printing
- 50+50mm paper width
- 24V operation
- High-speed print: Max. 100mm/sec
- Heavy duty design offers higher reliability

Optional Accessories

Auto cutter



AC-4P / 4F (Guillotine type)

Paper winder



AW-4H / 4V

Specifications

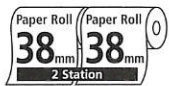
		LT-483
Printing method		Thermal dot line printing method
Total dots		832 dots/lines
Dot density		8 dots/mm
Printing width		44mm x 2
Printing speed		Max. 100mm/sec. (800 dot-lines/sec)
Paper feeding pitch		0.125mm
Sensors	PE sensor	Photo-Interrupter
	Head temperature	Thermistor
	Head-up	Mechanical switch
Operating voltage range *1	Vp	DC 22.8 to 25.2V
	Vdd	DC 4.75 to 5.25V
Current consumption	Head	1.2A approx.
	Motor	0.96A approx.
Recommended paper	Width	49.5mm ± 0.5mm
	Paper thickness	65µm
	Paper diameter *2	φ83mm or less
	Paper (Manufacturer)	TF50KS-E2C (Nippon Paper)
Reliability *3	Head pulse-resistance	100 million pulses or more
	Head wear-resistance	100km or more
Environment	Operation	Temperature: 5 to 40°C Humidity: 35 to 80% RH
	Storage	Temperature: -20 to 60°C Humidity: 10 to 90% RH
External dimensions		LT483: 155.2 (W) x 60 (D) x 71.5 (H)mm LT483CF: 155.2 (W) x 67 (D) x 98.9 (H)mm
Weight		LT483: Approx. 560g LT483CF: Approx. 750g

*1: Voltage drop at maximum current may cause the print quality problem. Please check it carefully in your environment such as control board, wiring, etc. Also please keep the voltage within the specified voltage range even by the voltage drop.

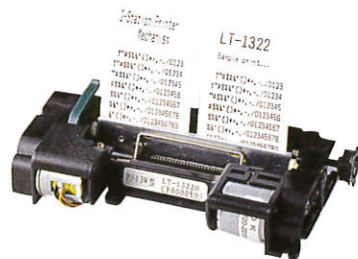
*2: The number of diameter varies depending on the conditions.

*3: Normal temperature at 25°C, normal humidity, 12.5% printing ratio, rated energy and by use of the recommended print paper.

LINE THERMAL PRINTER MECHANISM LT-1322



SPEED
80
mm/sec.
MAX.



Features

- 2 station printing
- 38+38mm paper width
- 24V operation
- Print speed: Max. 80mm/sec

Specifications

		LT-1322
Printing method		Thermal dot line printing method
Total dots		248 dots/lines x 2
Dot density		8 dots/mm
Printing width		38mm x 2
Printing speed		Max. 80mm/sec. (640 dot-lines/sec)
Paper feeding pitch		0.125mm
Sensors	PE sensor	Photo-Interrupter x 2
	Head temperature	Thermistor
	Head-up	Photo-Interrupter
Operating voltage range *1	Vp	DC 22.8 to 25.2V
	Vdd	DC 4.75 to 5.25V
Current consumption	Head	Max. 4.5A approx.
	Motor	Max. 0.4A approx.
Recommended paper	Width	38mm x 2
	Paper thickness	60 to 75µm
	Paper diameter *2	φ83mm or less
	Paper (Manufacturer)	TF50KS-E2C (Nippon Paper)
Reliability *3	Head pulse-resistance	50 million pulses or more
	Head wear-resistance	50km or more
Environment	Operation	Temperature: 0 to 45°C Humidity: 35 to 85% RH
	Storage	Temperature: -20 to 60°C Humidity: 10 to 90% RH
External dimensions		120 (W) x 58 (D) x 24.5 (H)mm
Weight		Approx. 97g

*1: Voltage drop at maximum current may cause the print quality problem. Please check it carefully in your environment such as control board, wiring, etc. Also please keep the voltage within the specified voltage range even by the voltage drop.

*2: The number of diameter varies depending on the conditions.

*3: Normal temperature at 25°C, normal humidity, 12.5% printing ratio, rated energy and by use of the recommended print paper.

Model classification
LT - 483 - CF
1)

1) Auto cutter code
CF: Partial cut / full cut
None: Without auto cutter

LT - 1322H
1)

1) Model
LT-1322H

Impact dot matrix printer mechanism index list

Model classification by "Printing color"

One color

MD-910/911



SPEED
2.5
mm/sec.
MAX.
MD-910
SPEED
1.8
mm/sec.
MAX.
MD-911
→ P58



DP-624



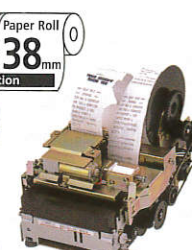
SPEED
3.6
mm/sec.
MAX.
→ P59



DP-630



SPEED
3.0
mm/sec.
MAX.
→ P60



DP-730



SPEED
3.0
mm/sec.
MAX.
→ P60

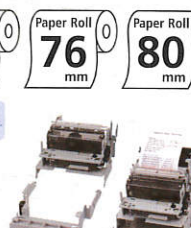


Two color print

DP-331/332



SPEED
4.3
mm/sec.
MAX.
→ P57



DP-330



SPEED
4.3
mm/sec.
MAX.
→ P57



DP-614/617



SPEED
4.0
mm/sec.
MAX.
→ P58



DP-654/657



SPEED
3.6
mm/sec.
MAX.
DP-654
SPEED
3.0
mm/sec.
MAX.
DP-657
→ P59



Model classification by "Two station"

Two station

DP-630



SPEED
3.0
mm/sec.
MAX.
→ P60



DP-730



SPEED
3.0
mm/sec.
MAX.
→ P60



Impact
Dot
Matrix
Printer
Mechanism

Model classification by "Paper feed"

Friction feed / Sprocket feed

DP-614/617



SPEED
4.0
mm/sec.
MAX.
→ P58



DP-624



SPEED
3.6
mm/sec.
MAX.
→ P59



DP-654/657



SPEED
3.6
mm/sec.
MAX.
DP-654
SPEED
3.0
mm/sec.
MAX.
DP-657
→ P59



Friction feed

DP-331/332



SPEED
4.3
mm/sec.
MAX.
→ P57



DP-330



SPEED
4.3
mm/sec.
MAX.
→ P57



MD-910/911



SPEED
2.5
mm/sec.
MAX.
MD-910
SPEED
1.8
mm/sec.
MAX.
MD-911
→ P58

