

## PP 408

# The Professional High Speed Fanfold Printer With Integrated Cutting Device



- Heavy duty  
24-wire dot matrix printer
- Performance  
750 pages/hour  
~ 400 lines/minute  
30.000 pages/month
- Plug & Print:  
Plug-in tractor cassettes  
for easy paper loading
- Two fanfold papers  
alternatively accessible
- Output for fanfold paper  
and individual sheets
- Integrated cutting device:
  - Separates print jobs
  - Cuts fanfold paper and  
continuous multi-part  
formsets into any size
- 1 + 5 excellent copies
- 14 fonts incl. block  
characters, 13 barcodes
- Long life ribbon  
30 million characters
- Connectivity to all major  
host systems and networks

The PP 408 offers a professional solution for heavy duty, flexible, and cost-efficient printing. Covering a wide range of applications, the PP 408 is perfect for business and industrial users working in shared-resource environments.



## TECHNICAL DATA

### Printer Specification

<b>Technology:</b>	serial impact dot matrix
<b>Printhead:</b>	24 wires, 0.25 mm (0.01 inch) needle diameter; life time 400 million characters
<b>Print mode:</b>	data (DQ), near letter (NLQ) and letter quality (LQ)
<b>Print format:</b>	136 characters at 10 characters per inch (cpi)
<b>Ribbon:</b>	nylon ribbon cassette, black, more than 16 million characters XXL ribbon, black, up to 30 million characters
<b>Dimensions:</b>	740 x 455 x 327 mm (WxDxH) (29.6 x 18.2 x 13 inch)
<b>Weight:</b>	33 kg (72 lb)
<b>Diagnostics:</b>	selftest, hexdump, remote diagnostics via interface
<b>Operator Panel:</b>	16 digit LCD display, trilingual (German, English, French)
<b>Rated voltage:</b>	100-120/200-240 V, 50-60 Hz
<b>Power input:</b>	200 W, 40 W Standby
<b>Environmental temperature:</b>	operating: +10 to +35 °C (+50 to +95°F) 20 to 80% rel. humidity storage: -40 to +70 °C (-40 to +158°F) 5 to 85% rel. humidity
<b>Noise level:</b>	55 dB(A) acc. to ISO 7779
<b>Agency approvals:</b>	VDE/GS, UL, C-UL, CE, FCC-B

### Performance

<b>Print speed:</b>	DQ: 700 cps	DQ, 60 characters/line: 450 lpm
(10 cpi)	NLQ: 350 cps	DQ, 80 characters/line: 370 lpm
	LQ: 175 cps	
<b>Throughput:</b>	letter	spreadsheet (13.2")
(ECMA 132, fanfold, 1-ply, 10 cpi)	DQ: 750	430 pages/hour
	NLQ: 520	- pages/hour
	LQ: 320	- pages/hour
<b>Workload:</b>	30,000 pages per month	
<b>MTBF:</b>	10,000 hours at 30% duty cycle	

### Paper Handling

<b>Paper path:</b>	flatbed technology; 2 paper inputs and 2 paper outputs, selectable via software or operator panel
<b>Paper input:</b>	two independent, easy to plug-in tractor cassettes for fanfold paper; push tractors with park position
<b>Paper output:</b>	either to the rear (zero tear off or cut, batch tray) or to the top (stacker for cut sheets)
<b>Paper weight:</b>	60 to 90 g/m <sup>2</sup> (2.4 to 3.6 oz/m <sup>2</sup> ) formsets up to 350 g/m <sup>2</sup> (14 oz/m <sup>2</sup> )
<b>Paper width:</b>	4 to 16 inch
<b>Form feed speed:</b>	20 inch/second; 25 ms per line feed
<b>Cutting device:</b>	integrated; rotating blade cuts bidirectionally, effective for 1 million cuts; separates print jobs and cuts fanfold paper and continuous multi-part formsets into any size
<b>Automatic Gap Control (AGC):</b>	optimizes automatically the distance between print head and paper according to paper thickness
<b>Paper run control:</b>	unattended mode
<b>Copies:</b>	1 + 5 copies, max. paper thickness 0.5 mm (0.02 inch)

### Connectivity

<b>Interfaces:</b>	<b>STANDARD PERSONALITY MODULE (PM)</b> parallel Centronics and serial RS-232C/V.24 in shared mode
<b>Emulations:</b>	IBM Proprinter XL24 (AGM), Epson LQ 2550/1060/ESC/P2, Philips GP 310/490
<b>Buffer:</b>	up to 30 KByte
<b>Character sets:</b>	ISO 7-bit, in 11 national versions incl. ASCII; ISO 8859/1; IBM Set 1/Set 2 in 14 national versions; IBM Code Pages 437, 850, 860, 863, 865; Epson Ext. Char. Set in 15 national versions; Eastern European character sets optional
<b>Fonts:</b>	draft quality: Data, Data Block, and Data Large (block characters); near letter and letter quality: Courier, Letter Gothic (Italic), Micro, OCR-A, OCR-B, Orator, Orator-C, Prestige, Roman, and Script
<b>Attributes:</b>	bold, italic, shadow, outline, double strike, underline, double underline, overline, strike through, sub/superscript, double to octuple, for Data Large 99-fold size
<b>Pitches:</b>	10, 12, 15, 17.1, 18 and 20 cpi, proportional
<b>Line spacing:</b>	2, 3, 4, 6, 8, ... 360 lpi
<b>Barcode:</b>	EAN 8, EAN 13, UPC-A, UPC-E, KIX Code, Postnet, Code 39, Code 93, Code 128 (incl. EAN 128), Codabar, 2 of 5 industrial, 2 of 5 interleaved, and MSI Mod 10/10, all horizontal and vertical.
<b>Graphics:</b>	uni/bidirectional printing (selectable), 360 x 360 dpi max.
<b>Macros:</b>	parameter settings for up to four individual printer configurations, selectable via software or operator panel
	<b>OPTIONAL PERSONALITY MODULES</b>
<b>Ethernet:</b>	Ethernet (10 Base T, 10 Base 2) and serial interfaces
<b>Twinax IPDS:</b>	IBM Twinax and parallel interfaces
<b>Twinax SCS:</b>	IBM Twinax, parallel and serial interfaces
<b>Coax SCS:</b>	IBM Coax, parallel and serial interfaces
<b>IGP:</b>	Standard PM with Printronix IGP 10/20/40 emulation
<b>HP:</b>	Standard or Ethernet PM with HP2934/2235 emulations
<b>DEC-ANSI:</b>	Standard or Ethernet PM with DEC-ANSI emulation
<b>Eastern European Version:</b>	PM Standard, Ethernet, IGP, Coax SCS, or Twinax SCS

Printer driver for Windows 3.x/95/98/NT are available.

### Options

<b>Printer stand:</b>	dimensions (WxDxH): 635 x 660 x 840 mm (25.4 x 26.4 x 33.6 inch); weight: ~ 25 kg (55 lb)
<b>Tractor cassettes:</b>	additional tractor cassettes can be loaded with paper to be ready for quick plug-in once required. Very helpful if several different types of media are used alternatively.
<b>Stacker option:</b>	stacking system integrated in the printer stand for orderly stacking of fanfold paper. Capacity: 2,000 pages
<b>Cut sheet tray:</b>	optimized output tray for smaller sized forms. Mounted directly below the cutting device. Capacity: 600 pages

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### PSI Printer Systems international GmbH

Eiserfelder Straße 316  
57080 Siegen, Germany

Phone: +49 271 3597-101

E-mail: sales@psi-si.de

Fax: +49 271 3597-190

Internet: http://www.psi-si.de

**PSI** Printer  
Systems  
international