



## PROFESSIONAL HIGH SPEED PRINTER

# PP 404

## The economic High Performance Printer



PP 404 with optional printer stand

- 24- wire dot matrix printer
- Flatbed design for reliable paper transport
- Robust design
- Performance:  
470 pages/hour  
20.000 pages/month
- Quiet operation:  
Noise level <53dB (A)
- Manual sheet feeder optional
- Up to 5 excellent copies (1+5)
- Heavy duty tear bar for correct printjob separation
- Automatic gap control
- 14 fonts inclusive block characters
- 13 resident barcodes

The high performance printer PP 404 offers a fast and cost-effective solution for the printing of lists, barcodes, labels and multi-part formsets. Additionally the printer can be equipped with a manual sheet feeder. The PP 404 is designed for reliable and efficient print operation in industry, logistic, retail, banking, public administration and office application environments.

## TECHNICAL DATA

<b>Printer Specification</b>	
<b>Technology:</b>	serial impact dot printer
<b>Printhead:</b>	24 wires, 0,25 mm (0.01 inch) needle diameter; life time 400 Mio. 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, up to 16 million characters
<b>Dimensions:</b>	635 x 390 x 273 (WxDxH)
<b>Weight:</b>	20,7 kg
<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>	200-240 V (100-125 V, opt.), 50-60 HZ
<b>Power input:</b>	Printing operation 75 W (DQ/ NLQ) up to 120 W (LQ) Standby 15 W
<b>Environmental temperature:</b>	operating: +10 to +35 °C 20 to 80 % rel. L.F. storage: - 40 to + 70°C 5 to 85 %rel. L.F
<b>Noise level:</b>	53 dB(A), according ISO 7779
<b>Agency approvals:</b>	VDE/GS, UL, C-UL, CE, FCC-B, CCC

<b>Paper Handling</b>	
<b>Paper path:</b>	flatbed technology, 2 input possibilities (fanfold and optional manual feed), selectable via software or operator panel
<b>Automatic Gap Control (AGC):</b>	automatically optimizes the distance between printhead and paper dependend on paper thickness
<b>Copies:</b>	1 + 5 copies, max.thickness 0.5 mm (0.02 inch)
<b>FANFOLD PAPER</b>	
<b>Paper input:</b>	integrated push tractor and pull rollers
<b>Paper width:</b>	4 to 16 inch (100 to 406 mm)
<b>Paper weight:</b>	60 to 90 g/m <sup>2</sup> , formsets up to 350 g/m <sup>2</sup>
<b>Paper Jam</b>	
<b>Detection:</b>	for unattended printing
<b>Form feed speed:</b>	11 inch/second
<b>Paper output:</b>	rear side, zero tear off, heavy duty tear bar
<b>CUT SHEETS</b>	
<b>Paper input:</b>	manual sheet feeder optional
<b>Paper width:</b>	4.2 to 12.2 inch (105 to 305 mm)
<b>Paper weight:</b>	60 to 160 g/m <sup>2</sup> , formsets up to 350 g/m <sup>2</sup>
<b>Paper output:</b>	paper exit at the front for immediate access

<b>Performance</b>	
<b>Print speed:</b>	DQ: 500 cps (10 cpi) NLQ: 250 cps LQ: 125 cps
<b>Throughput:</b>	fanfold (1 ply) (ECMA 132) DQ: 470 pages/hour NLQ: 350 pages/hour LQ: 210 pages/hour
<b>Workload:</b>	20,000 pages per month
<b>MTBF:</b>	10,000 hours at 25% duty cycle

<b>Connectivity</b>	
<b>Interfaces:</b>	Parallel IEEE1284, serial RS-232C (DSUB 9), USB 2.0
<b>Emulations:</b>	IBM Proprinter XL24 (AGM), Epson LQ 2550/1060, ESC/P2
<b>Buffer:</b>	up to 48 KByte
<b>Character sets:</b>	ISO 8859/1, ISO 8859/9, 8859/15; IBM Set 1/Set 2 in 14 national versions; IBM Code Pages 437, 850, 857, 858, 860, 863, 865; Epson Ext. Char. Set in 15 national versions; Eastern European character sets 771, 773, 774, 775, 852, 1125, 1251; Baltic RiM, Greek, CZ, HUN, Russia, Win Lat 2 draft quality: Data, Data Block, and Data Large (block characters); near letter and letter quality: Courier, OCR-A, OCR-B, Orator, Prestige, Roman, Script, Sans serif
<b>Fonts:</b>	bold, italic, shadow, outline, (double) underline, overline, strike through, sub-/superscript, double to octuple, for Data Large 99-fold size
<b>Attributes:</b>	bold, italic, shadow, outline, (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>Barcodes:</b>	EAN 8, EAN 13, UPC-A, UPC-E, Postnet, KIX Code, Code 39, Code 93, Code 128 (incl. EAN 128), Codabar, 2 of 5 industrial, 2 of 5 nterleaved, MSI Mod 10/10 and Postnet
<b>Graphics:</b>	uni/bi-directional printing (selectable), 360x360 dpi
<b>Macros:</b>	parameter settings for up to four individual printer configurations, selectable via software or operator panel
Printer drivers for Windows and SAP R/3 device types are available for download at <a href="http://www.psiprinters.com">http://www.psiprinters.com</a> .	

<b>Options</b>	
<b>manual feeder:</b>	facilitates input of single sheets and formsets, straight paper insertion
<b>Printer Stand:</b>	space saving design, correct stacking of fanfold paper dimensions: 611 x 540 x 750 (WxDxH) weight: approx. 10 kg

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