PP 404

PP 404
The economic high performance printer

- Fast 24-wire dot matrix printer

- Performance:
  500 pages/hour
  20.000 pages/month

- Flatbed design for reliable paper transport

- Heavy duty tear bar for correct printjob separation

- Zero tear off eliminates forms wastage

- Quiet operation: Noise level $\leq$ 53dB(A)

- Automatic gap control

- Original plus 5 copies in high print quality

- 14 scalable fonts

- 12 resident barcodes

- Manual sheet feeder optional

The high performance printer PP 404 offers a fast and cost-effective solution printing 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 industrial, logistic, retail, banking, public administration, and office application environments.

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TECHNICAL DATA

Printer Specification

Technology:	serial impact dot matrix
Printhead:	24 wires, 0,25 mm (0.01 inch) needle diameter; life time 400 million characters
Print mode:	data (DQ), near letter (NLQ) and letter quality (LQ)
Print format:	136 characters at 10 characters per inch (cpi)
Ribbon:	nylon ribbon cassette, black, up to 16 million characters
Dimensions:	635 x 390 x 273 mm (WxDxH) (25.4 x 15.6 x 10.9 inch)
Weight:	20,7 kg (47 lb)
Diagnostics:	selftest, hexdump, remote diagnostics via interface
Operator Panel:	16 digit LCD display, trilingual (German, English, French)
Rated voltage:	100-120/200-240 V, 50-60 Hz
Power input:	200 W, (<30 W Standby)
Environmental temperature:	operating: +10 to +35 °C 20 to 80% rel. humidity storage: - 40 to +70 °C 5 to 85% rel. humidity
Noise level:	≤ 53 dB(A) acc. to ISO 7779
Agency approvals:	VDE/GS, UL/C-UL, CE, FCC-B

Paper Handling

Paper paths:	flatbed technology, 2 input possibilities (fanfold and optional manual feed), selectable via software or operator panel
Automatic Gap Control (AGC):	automatically optimizes the distance between printhead and paper based on to paper thickness
Copies:	1 + 5 copies, max. paper thickness 0.5 mm (0.02 inch)

FANFOLD PAPER

Paper input:	integrated push tractor and pull rollers
Paper width:	4 to 16 inch
Paper weight:	60 to 90 g/m², formsets up to 350 g/m²
Paper Jam Detection:	for unattended printing
Form feed speed:	11 inch/second
Paper output:	rear side, zero tear off, heavy duty tear bar

CUT SHEETS

Paper input:	manual sheet feeder optional
Paper width:	105 to 305 mm (4.2 to 12.2 inch)
Paper weight:	60 to 90 g/m², formsets up to 350 g/m²
Paper output:	paper exit at the front for immediate access

Performance

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

Connectivity

Interfaces:	parallel Centronics and serial RS-232C/V.24 or RS422, includes shared mode
Emulations:	IBM Proprinter XL24 (AGM), Epson LQ 2550/1060/, ESC/P2, Philips GP 310/490
Buffer:	up to 48 KByte
Character sets:	ISO 7-bit, in 11 nat. versions incl. ASCII; IBM-PC; ISO 8859/1; IBM Set1/Set2 in 14 nat. versions; IBM Code Pages 437, 850, 860, 863, 865; Epson Ext. Char. Set in 15 nat. versions
Fonts:	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
Attributes:	bold, italic, shadow, outline, (double) underline, overline, strike through, sub/superscript, double to octuple, for Data Large 99-fold size
Pitches:	10, 12, 15, 17.1, 18 and 20 cpi, proportional
Line spacing:	2, 3, 4, 6, 8, ... 360 lpi
Barcode:	EAN 8, EAN 13, UPC-A, UPC-E, Code 39, Code 93, Code 128 (incl. EAN 128), Codabar, 2 of 5 industrial, 2 of 5 interleaved, MSI Mod 10/10, and Postnet, all horizontal and vertical
Graphics:	uni/bidirectional printing (selectable), 360 x 360 dpi max.
Macros:	parameter settings for up to four individual printer configurations, selectable via software or operator panel

Printer drivers for Windows 3.x, Windows 95, Windows NT 3.51, and Windows NT 4.0 are available.

Options

Manual feeder:	facilitates input of single sheets and formsets, straight paper insertion
Printer stand:	space saving design, correct stacking of fanfold paper dimensions: 611 x 540 x 750 mm (WxDxH), weight: approx. 10 kg (22 lb)

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