



PP 405 The Professional Multi-Purpose Printer

- Heavy Duty
24-wire dot matrix printer
- Throughput of more than
500 pages per hour
- Workload of 20,000 pages
per month
- Flatbed design for straight
and reliable paper transport
- 5 paper inputs
3 paper outputs
- Flexible paper management
for fanfold paper, single
sheets, heavy formsets,
labels and envelopes
- Connectivity to all major host
systems and networks
- Quiet operation:
Noise level ≤ 52 dB(A)
- 14 fonts incl. block
characters, 13 barcodes
- 1 + 5 excellent copies
- Fulfills versatile application
requirements in business as
well as industrial environ-
ments

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 cpi
Ribbon:	nylon ribbon cassette, black, more than 16 million characters
Dimensions:	635 x 390 x 273 mm (WxDxH) (25.4 x 15.6 x 10.9 inch)
Weight:	~ 22.7 kg (52 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, 40 W Standby
Environmental temperature:	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
Noise level:	≤ 52 dB(A) acc. to ISO 7779
Agency approvals:	VDE/GS, UL, CSA, CE, FCC-B

Performance

Print speed:	DQ:	600 cps at 10 cpi	
	NLQ:	300 cps at 10 cpi	
	LQ:	150 cps at 10 cpi	
Throughput:	mode	fanfold	cut sheets
(ECMA 132, letter, 1 ply)	DQ:	507	490 pages/hour
	NLQ:	398	386 pages/hour
	LQ:	251	248 pages/hour
Duty cycle:	20,000 pages per month		
MTBF:	10,000 hours at 25% duty cycle		

Paper Handling

Paper paths:	flatbed technology, up to 5 input and 3 output possibilities, selectable via software or operator panel
Automatic Gap Control (AGC):	optimizes automatically the distance between printhead and paper according to paper thickness
Copies:	1 + 5 copies, max. paper thickness 0.5 mm (0.02 inch)
FANFOLD PAPER	
Paper input:	integrated push tractor with park position
Paper output:	rear side, zero tear-off
Paper width:	4 to 16 inch (100 to 400 mm)
Paper weight:	60 to 90 g/m ² , formsets up to 350 g/m ²
Form feed:	11 inch/second
Paper run control:	for unattended printing mode
CUT SHEETS	
Paper input:	manual front insertion; automatic sheet feeders (opt.)
Paper output:	user selectable paper exit at the front or face down stacker at the top of the printer with a capacity of 360 sheets
Paper width:	4.2 to 12.2 inch (105 to 305 mm)
Paper weight:	refer to options, cassettes

Connectivity

PERSONALITY MODULE SER/PAR (Option)	
Interfaces:	parallel Centronics and serial RS-232C/V.24 incl. shared mode
Emulations:	IBM Proprinter XL24 (AGM), Epson LQ 2550/1060, ESC/P2, Philips GP 310/490
Buffer:	selectable up to 48 KByte
Character sets:	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 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
Fonts:	bold, italic, shadow, outline, double strike, underline, double underline, overline, strike through, sub/superscript, double to octuple, for Data Large 99-fold size
Character attributes:	bold, italic, shadow, outline, double strike, underline, 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, Postnet, KIX Code, Code 39, Code 93, Code 128 (incl. EAN 128), Codabar, 2 of 5 industrial, 2 of 5 interleaved, MSI Mod 10/10, all horizontal and vertical uni/bidirectional printing (selectable), 360 x 360 dpi max.
Graphics:	parameter settings for up to four individual printer configurations, selectable via software or operator panel
Macros:	

OTHER PERSONALITY MODULES

Ethernet:	Ethernet 10BaseT/100BaseTX RJ45
Twinax IPDS:	IBM Twinax and parallel interfaces
Twinax SCS:	IBM Twinax, parallel and serial interfaces
Coax SCS:	IBM Coax, parallel and serial interfaces
IGP:	Standard PM with Printronix IGP 10/20/40 emulation
DEC-ANSI:	Standard or Ethernet PM with DEC -ANSI emulation
Eastern European Version:	PM Standard, Ethernet, IGP, Coax SCS or Twinax SCS

Options

ASF cassettes:	up to three automatic sheet feeders (ASF); paper size: DIN A4 portrait and landscape, A5, A6, B5, Letter, Legal
Cassette A:	cut sheets 70 to 100g/m ² , formsets up to 260g/m ² ; capacity: 180 sheets (80g/m ²)
Cassette B:	paper 100 to 150 g/m ² , formsets up to 300 g/m ² ; envelopes from 70 to 90g/m ² ; capacity: 40 envelopes (70g/m ²)
Extended manual feeder:	facilitates input of single sheets and formsets for frequent users, particularly when ASF Cassettes are mounted
Colour option:	attachment to the printhead for colour printing
4-colour ribbon:	cyan, magenta, yellow, black; max. 7 mixed colours
Printer stand:	for handling of dual fanfold paper input, dimensions: 450 x 660 x 840 mm (WxDxH) (17.7 x 26.4 x 33.6 inch); weight: approx. 16 kg (43.5 lb)

Printer drivers for Windows 3.x/95/98/NT 4.0 /2000/XP are available.
SAP R/3 device types are available for download.

This is only an extract of the product specification. For a detailed specification it is referred to the comprehensive product documentation. Specifications are subject to change without notice. All registered trademarks are the property of their respective companies.

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