PP 405

The multi-purpose printer PP 405 with high flexibility in paper handling, allowing to run several different applications on one printer.

PP 405 with printer stand, stacker option and 3 ASF-Cassettes

- **Heavy Duty**
  24-wire dot matrix printer

- **Flatbed design** for straight and reliable paper transport

- **Robust design**

- **Performance:**
  - 600 cps (10 cpi)
  - 507 pages per hour
  - 20,000 pages per month

- **Quiet operation:**
  Noise level ≤ 52 dB(A)

- **5 paper inputs**
  3 paper outputs

- Up to 5 excellent copies (1+5)

- Heavy duty tear bar for correct print job separation

- Automatic gap control

- Flexible paper management for fanfold paper, single sheets, heavy form sets, labels and envelopes

- Fulfils versatile application requirements as well as in business and industry

- Modular interface concept (Personality Modules) for major host systems and network environments

The multifunctional 24 needle high performance printer PP 405 convinces of an extreme flexible paper management and a variety of modular interfaces (Personality Modules), which allows the easy integration into different system and network environments. The printer can be equipped with up to three ASF (auto sheet feeder) cassettes, one single sheet feeder and one tractors for fanfold paper. Because of its low noise emission the printer fits excellent for office and industrial environments. The robust printing device and durable cabinet design guarantees strong reliability in professional printing applications with typically print volume of up to 20.000 pages a month. In combination with PSi well-priced ribbons the PP 405 keeps the total costs of ownership (TCO) at a minimum.

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
Diagnostics:	selftest, hexdump, remote diagnostics via interface
Operator Panel:	16 digit LCD display, trilingual (German, English, French)
Rated voltage:	200-240 V (100-125 V opt.), 50-60 Hz
Power input:	Printing operation 75 W (DQ/ NLQ) up to 120 W (LQ); Standby 15 W
Environmental temperature:	operating: +10 up to +35 °C (+50 to + 95°F) 20 up to 80% rel. humidity storage: -40 up to +70 °C (-40 to +158°F) 5 up to 85% rel. humidity
Noise level:	52 dB(A) acc. to ISO 7779
Agency approvals:	VDE/GS, UL, C-UL, CE, FCC-B, CCC

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,	DQ:	507	490	pages/hour
letter, 1 ply)	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 406 mm)
Paper weight:	60 to 90 g/m², formsets up to 350 g/m²
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/USB

Interfaces:	parallel IEEE 1284, serial RS-232C/OF, USB 2.0
Emulations:	IBM Proprinter XL24 (AGM), Epson LQ 2550/1060, ESC/P2, Philips GP 310/490
Buffer:	selectable up to 176 KByte
Character sets:	ISO 8859/1, ISO 8859/9, 8859/15; IBM Set 1/Set 2 into 14 national versions; IBM Code Pages 437, 850, 857, 858, 860, 863, 865; Epson Ext. Char. Set in 15 national Versionen; Eastern European character sets 771, 773, 774, 775, 852, 1125, 1251; Baltic RiM, Greek, CZ, HUN, Russia, Win Lat 2
Fonts:	draft quality: High Speed Draft, Data and Data Large; Near letter and letter quality: Courier, OCR-A, OCR-B, Orator, Prestige, Roman, Script, Sans serif
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, and MSI Mod 10/10
Graphics:	360 x 360 dpi max.
Macros:	parameter settings for up to four individual printer configurations, selectable via software or Operator panel

OTHER PERSONALITY MODULES

RS-422:	SER RS-422/PAR/USB
Ethernet:	Ethernet 10BaseT / 100BaseTX RJE45
IPDS:	Ethernet
IGP:	SER/PAR with Printronix IGP 10/20/40 emulation
HP:	SER/PAR or Ethernet with HP2934/2235 emulation
GENICOM:	SER/PAR or Ethernet with Genicom 3840 emulation
Stringchange:	SER/PAR or Ethernet

Printer drivers for Windows and SAP R/3 device types are available for download at http://www.psi-matrix.eu.

Options

ASF cassettes:	up to three automatic sheet feeders (ASF); paper size: DIN A4 portrait and landscape, A5, A6, B5, Letter, Legal
Cassette A1:	cut sheets 70 to 100g/m², formsets up to 260g/m²; capacity: 180 sheets (80g/m²)
Cassette B1:	paper 100 to 150 g/m², formsets up to 300 g/m²; envelopes from 70 to 90g/m²; capacity: 40 envelopes (70g/m²)
Cassette C1:	cardboard and massive envelope up to 300g/m²
Extended manual feeder:	facilitates input of single sheets and formsets for frequent users, particularly when ASF Cassettes are mounted
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

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.