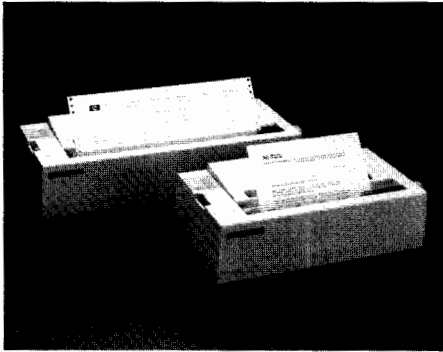# HEWLETT-PACKARD

QuietJet Printer Series

The flexible QuietJet Printers offer the best features of personal printing ...without the noise.

You get exceptionally **quiet**, **quality** printing for word processing, data base management, and computer graphics. For spreadsheets, letters, or labels as you need.

QuietJet Printers work with most major personal computers. And it's supported on a host of popular industry-standard software packages.

Quality Printing

You get high-quality printing: near letter-quality (NLQ) for important letters and reports and graphics in three densities for impressive charts and illustrations. Even when printing quick drafts, you get sharp characters for easy reading and a professional look.

User Convenience

The disposable, drop-in ink print cartridge combines innovation with true user convenience. The friendly key panel allows you to select NLQ, draft, and compressed printing at the touch of a button.

Features	Benefits
•Quiet printing	You can talk on the telephone; you can print what you need without disturbing anyone.
•Quality text and graphics –NLQ at 40/48 cps –160/192-cps draft printing –High-quality graphics	Turns out professional-looking letters and reports and fast, easy-to-read spreadsheets and charts.
•Excellent compatibility	It hooks up with a variety of PCs and portables–HP, IBM or Apple. And it's supported on most popular industry-standard software.
•Comprehensive print features –six print pitches –near letter-quality (NLQ) –superscripts and subscripts	Your customer can change the print size and use print enhancements to highlight, clarify, or simply get more information on a page.
•Convenient keypanel	Select NLQ, draft and compressed print with just one keystroke.
•Paper-handling convenience –last-form tearoff –paper advance knob –Adjustable tractors	Inserting, adjusting, even tearing off of paper is quick and easy to manage. And there is no paper waste.
•Expandable, tailorable	As application needs grow, your customer can get dealer-installable RAM for special applications.

Print Sample

Print quality is enhanced over common dot matrix printers by 19×16 (draft) and 19×32 (NLQ) character cells which provides high resolution characters in bold face or underlining and six print pitches as shown here.

```
This is compressed print.
This is normal print.
This is Expanded-Compressed print.
This  is  Expanded  print.
This is NLQ print.
This is draft print
```
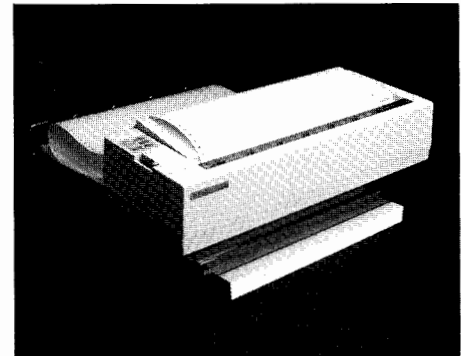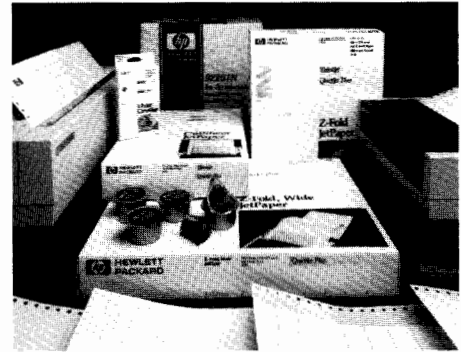
Supplies and Accessories

Supplies: Meeting Everyday Needs

The HP JetSeries Printer is actually a system, composed of the printer, an innovative disposable ink print cartridge, and HP JetPaper. Together they provide **quiet** operation and **quality** printing, a winning combination.

A wide range of JetSeries supplies support quality printing on ThinkJet and QuietJet Printers. HP's JetSeries supplies and accessories now include wide paper for QuietJet Plus spreadsheet printing, address labels, even single-color print cartridges in black, red, blue or green.

To order, simply see your local dealer. Or, for 24-hour delivery, order direct from Hewlett-Packard Direct Marketing by calling the toll-free number (800-538-8787).

Description	Order No.
Black ink print cartridge. Fits ThinkJet and QuietJet printers.	92261A
Red ink print cartridge. Fits ThinkJet and QuietJet printers.	51605R
Blue ink print cartridge. Fits ThinkJet and QuietJet printers.	51605B
Green ink print cartridge. Fits ThinkJet and QuietJet printers.	51605G
Z-fold JetPaper. 8½"×11" finished size. 500 sheet box, 20 lb., microperforated.	51630A
Wide Z-fold JetPaper. 14⅞"×11". 500 sheet box, 20 lb.	51630B
Wide Z-fold JetPaper. 14⅞"×11". 2500 sheet carton, 20 lb.	51630D
CutSheet JetPaper. 8½"×11". 500 sheet box, 20 lb., single sheets.	51630J
Z-fold JetPaper. 8½"×11" finished size. 2500 sheet carton, 20 lb., microperforated.	92261N
JetLabels. 2000 address labels (3.5"×15/16" labels—two across), 9.5" form width. Pressure sensitive.	51630L
QuietJet Plus Printer dust cover.	92250W
QuietJet Printer dust cover.	92250X
QuietJet Plus Printer stand.	92261T
QuietJet Printer stand.	92261U
QuietJet Series wire paper catcher. (requires printer stand).	92261G
Jetstart software program. Modifies standard Macintosh application discs to run with the QuietJet Printer series.	35177M

Specifications

Print Speed	160 cps, draft mode (bidirectional, optimized path), 10 cpi
	40 cps, NLQ mode (unidirectional, optimized path), 10 cpi
	192 cps, draft mode (bidirectional, optimized path), 12 cpi
	48 cps, NLQ mode (unidirectional, optimized path), 12 cpi
		Paper Handling	Friction feed for single sheets
			Tractor feed for continuous fan-fold paper
			Paper widths:
			  10.2 cm (4″) minimum 38.1 cm (15″)
			  QuietJet Plus maximum; 24.8 cm (9¾″)
			  QuietJet maximum.
			Note: We are interested in quality and cannot guarantee optimal print quality or printer reliability on non-HP paper.

Character Cell Structure	19 (h)×16 (v), draft mode 19 (h)×32 (v), NLQ mode	**Key Panel**	Buttons: On-line, Form Feed, Line Feed LED indicators: NLQ mode, Draft mode, Compressed mode

Character Sets	HP Roman 8
	  128 US ASCII (upper and lower case and control codes) Supports Danish, Dutch, English, Finnish, French, German, Norwegian, Portuguese, Spanish and Swedish
	ISO 7-bit languages
	  Supports French, German, Italian, Portuguese, Spanish, Swedish/Finnish, Norwegian, United Kingdom, and US ASCII IBM PC character set (US and Europe).
		Dual I/O Interface	Centronics parallel and RS-232C serial, standard

		Power Requirements	Power modules
			  100 volts AC (+10%, −10%) 47.5–63 Hz
			  120 volts AC (+10%, −10%) 47.5–63 Hz
			  220 volts AC (+10%, −10%) 47.5–63 Hz
			  240 volts AC (+10%, −10%) 47.5–63 Hz
			Power consumption at 20 VAC
			  10 W maximum non-printting
			  18 W maximum printing
			  Maximum heat output 61.5 BTU/hour

Graphics	96×96 dots per inch dot-addressable graphics 192×96 dots per inch, double density mode 192×192 dots per inch, quadruple density mode	**Environmental**	Temperature: 10° to 40°C (50° to 104°F), operating; −20° to 60°C (−4° to 140°F), storage Humidity: 10 to 90% RH, non-condensing Acoustics: (per ISO DP7779 standard) Sound pressure level $-L_{pa}$: <48.5 dB(A)@1 meter bystander position
Print Modes Normal—10 cpi	QuietJet: 80 characters/line QuietJet Plus: 132 characters/line	**Dimensions**	QuietJet: 395 mm (15.5″) W×118 mm (4.65″) H×214 mm (8.43″) D QuietJet Plus: 527 mm (20.75″) W×121 mm (4.76″) H×221 mm (8.7″) D
Normal—12 cpi	QuietJet: 96 characters/line QuietJet Plus: 158 characters/line	**Weight**	QuietJet: 3.9 kg (8 lb., 9 oz) QuietJet Plus 4.7 kg (10 lb., 7 oz.)
Expanded—5 cpi	QuietJet: 40 characters/line QuietJet Plus: 66 characters/line	**Buffer Size**	2K bytes, expandable up to 18K
Expanded—6 cpi	QuietJet: 48 characters/line QuietJet Plus: 79 characters/line	**Estimated Usage**	Less than 40 pages per day
Compressed—21.3 cpi	QuietJet: 170 characters/line QuietJet Plus: 281 characters/line	**Product Certifications**	UL, CSA, FEI, NEMKO, TUV, VDE/FTZ, IEC compliance, FCC Class B Certified per FCC Rules, Part 15, Subpart J, when used with a Class B computing device. Any questions concerning regulatory compliance should be directed to your local HP sales office.
Expanded-Compressed —10.7 cpi	QuietJet: 85 characters/line QuietJet Plus: 141 characters/line Draft print; a variation of Letter Gothic font NLQ print; a variation of Courier font		
Operational Modes	Switch selectable HP/ alternate (Epson-type) modes		
Command Language and Emulation	HP Printer Command Language PCL level 1+; Epson MX80 emulation		
Software Support	The QuietJet Printers are fully supported on major software packages. Additional support is being provided on a regular basis.		

Interface and Cable Requirements

Interface and Cable Requirements

HP SYSTEM SERIES MODEL	PRINTER I/O	HOST INTERFACE	CABLE
Vectra PC	Parallel	HP 24540A Serial/Parallel Interface Card	24542D
	Serial	HP 24540A Serial/Parallel Interface Card	24542G
		HP 24541A Dual Serial Interface Card	24542G (using 9 pin connector) 13242G (using 25 pin connector)
Touchscreen PC	Serial	Built-in	13242G
Portable PC	Serial	Built-in	92221P
HP Terminals (2392A, 2393A, 2394A, 2397A)	Parallel	Opt 093 or HP 40210P*	40242D
	Serial	Opt 092 or HP 40210R*	40242G

NON-HP SYSTEM SERIES MODEL	PRINTER I/O	HOST INTERFACE	HP CABLE #	NON-HP CABLE #
Apple II, II+, IIe	Parallel	Apple II Parallel Interface Card or Grappler+	Not Available	Apple #590-0042
	Serial	Apple Super-serial Card	17355M	Apple #590-0037
Apple IIc	Serial	Built-in	92219N	Apple # 590-0191-A
Macintosh**	Serial	Built-in	92219M	Standard Macintosh Printer Cable
IBM PC, PC / XT	Parallel	IBM Parallel Printer Adaptor	92219K	IBM Parallel Printer Cable
	Serial	IBM Asyn. Com. Adaptor	17255D or 13242H	Not available
IBM AT	Parallel	IBM Serial/Parallel Adaptor	24542D	IBM Parallel Printer Cable
IBM AT	Serial	IBM Serial/Parallel Adaptor	24542G	

*Host interface to order when adding QuietJet Printer to standard terminal.
**Requires software driver (PN35177M, available from DMK)

Ordering Information

HP 2227A QuietJet Plus Personal Printer
HP 2228A QuietJet Personal Printer
Standard unit includes: Print head cartridge, packet of fanfold ink-jet paper, power module/cord, owner's manual, and warranty card.

Centronics-type and RS-232C-type cables must be ordered separately. Non-HP interface boards and cards must be ordered through the personal computer supplier.