



# Tech Info Library

## Color LaserWriter 12/600 PS: Technical Specifications (2/96)

Article Created: 6 June 1995

Article Reviewed/Updated: 13 February 1996

TOPIC -----

This article contains the technical specifications for the Apple Color LaserWriter 12/600 PS printer.

DISCUSSION -----

### Technical Specifications

=====

#### Print Engine and Controller

-----

- 30-MHz AMD 29030 RISC processor
- Engine life 300,000 pages monochrome, 150,000 pages color
- No monthly maximum duty cycle

#### Print Quality

-----

- True 600-dpi resolution
- Color PhotoGrade, Apple's technology standard enhanced 600-dpi imaging, 200-lines per inch, nearly 2 times standard 600 DPI color laser printers

#### Memory

-----

- 12MB of RAM standard; supports Color PhotoGrade. Apple contone compression technology enables 130MB of data to be printed with only a 12MB printer
- For best print quality when printing legal size,16MB recommended
- Expandable to 40MB with optional upgrades (1MB, 4MB, or 16MB 72-pin, 60ns SIMMs)

#### Interfaces

-----

- Ethernet port (supports EtherTalk, TCP/IP, and Novell NetWare protocols)
- LocalTalk port
- All ports active simultaneously
- Bidirectional IEEE 1284 parallel port (special cable required)

- SCSI port for external or optional internal hard disk drive for font storage

#### Print Speed

-----

- 12 pages per minute for monochrome
- 3 pages per minute for color
- 1 page per minute for transparencies
- Actual print speed is dependent upon file complexity, network traffic, application, and computer used.

#### Language Supported

-----

- Adobe PostScript Level 2

#### Fonts

-----

- 39 PostScript (Type 1) fonts in ROM, plus screen fonts for Macintosh and Windows from the following families:

ITC Avant Garde Gothic	ITC Bookman	Courier
Helvetica	Helvetica Narrow	Helvetica Condensed
New Century Schoolbook	Palatino	Symbol
Times	ITC Zapf Chancery	ITC Zapf Dingbats

- 64 TrueType fonts on Macintosh disks from the following families:

Chicago	Delphian	ITC Garamond Narrow
Geneva	Helvetica Black	Helvetica Compressed
Lubalin Graph	Lucida Bright	Machine
Monaco	Nadianne	New York
Old English Text	Onyx	Oxford
Swing	Zeal	

- Prints any PostScript (Type 1) or TrueType fonts

#### Storage

-----

- Optional internal 240MB hard disk drive

#### Paper Capacities

-----

- Standard 250-sheet feeder, 100-sheet multipurpose tray
- Optional 250-sheet universal feeder

#### Print Materials

-----

- 16- to 28-lb. (60 to 90 g/m<sup>2</sup>) bond
- Paper: U.S. letter, legal, A4, and B5
- Most letterhead and colored stock
- Use only Apple Color LaserWriter 12/600 PS transparencies

#### Printer Supplies

- 
- Cyan, magenta, yellow, and black toner cartridges
    - Print 4,000 pages each at 5% coverage
  - Photoconductor replacement kit
    - Prints 40,000 pages in black and white or 10,000 pages in color, continuous printing.
    - Prints 13,000 pages in black and white or 6,500 pages in color, intermittent printing. (Printing single-page documents only)
    - Includes two toner waste disposal containers
  - Fuser oil
    - Prints 10,000 pages
  - Fuser replacement kit
    - air filter, ozone filter, fuser unit transfer drum cleaning unit-replace at 60,000 pages

#### Power Requirements

-----

- U.S./Japan: 100 to 120 V, 50 to 60 Hz or
- Europe/Australia: 220 to 240 V, 50 Hz
- Voltage tolerance +/- 10%

\*Note: The Color LaserWriter 12/600PS does not contain a universal power supply

#### Power Consumption

-----

- Operating mode: 100/120 V, 535 W; 220/240 V, 524 W
- Standby mode: 110/120 V, 215 W; 220/240 V, 238 W
- Energy-saving mode: 42 W (complies with EPA Energy Star)

#### Environmental Requirements

-----

- Temperature: 50 to 86 deg. F (10 to 30 deg. C)
- Humidity: 20% to 80% noncondensing
- Toner cartridge transit environment: -4 to 104 deg. F (-20 to 40 deg. C)

#### Size and Weight

-----

- Height: 18.0 in. (45.7 cm)
- Width: 21.0 in. (53.3 cm)
- Depth: 23.0 in. (58.4 cm)
- Weight: 110.0 lb. (49.5 kg)

#### System Requirements

-----

- Works with an Apple Macintosh or compatible computer with at least 4MB of RAM and Macintosh system software version 7.1 or later.
- Works with an IBM or compatible computer with at least 4MB of RAM and Microsoft Windows 3.1 or later.

#### Ordering Information

-----

Apple Color LaserWriter 12/600 PS: Order No. B2392LL/A

- Color LaserWriter 12/600 PS
- Color LaserWriter 12/600 PS Setup Kit (contains cyan, magenta, yellow, and black toner cartridges, photoconductor replacement kit, fuser oil, user's guide, and limited warranty)

Options and Accessories

-----  
Color LaserWriter Cyan Toner Cartridge: M3757G/A  
Color LaserWriter Magenta Toner Cartridge: M3760G/A  
Color LaserWriter Yellow Toner Cartridge: M3758G/A  
Color LaserWriter Black Toner Cartridge: M3756G/A  
Color LaserWriter Photoconductor Replacement Kit: M3761G/A  
Color LaserWriter Fuser Oil: M3755G/A  
Color LaserWriter Transparencies Letter: M3876G/A (Qty: 50 per package)  
Color LaserWriter Transparencies A4: M3877G/A (Qty: 50 per package)  
Color LaserWriter 12/600 PS 250-Sheet Feeder: M3762G/A  
Color LaserWriter 12/600 PS Universal Cassette: M3874G/A  
Color LaserWriter 12/600 PS Internal Hard Disk Drive: M3875G/A  
Apple Ethernet Thin Coax Transceiver: M0329Z/B  
Apple Ethernet Twisted-Pair Transceiver: M0437Z/B  
Apple Ethernet AUI Adapter: M043LL/A  
Apple 1284 Parallel I/O Cable: M4235ZM/A

Portions of this article were published in the "Information Alley":  
Volume II, Issue 19, Page 8

Article Change History:

03 Jun 1996 - Added information to OPC replacement kit description.  
13 Feb 1996 - Added additional power information.  
16 Oct 1995 - Removed keyword.

Copyright 1995-96, Apple Computer, Inc.

Keywords: specsht,kalley

=====  
This information is from the Apple Technical Information Library.

19960605 07:34:04.00

Tech Info Library Article Number: 17881