

## Product range/positioning

The Xerox DocuPrint 4850/4890/92C NPS/IPS is a highlight color printing system, fully compatible with the IBM AFP Group 3 page printer with the Advanced Function Image and Graphics (AFIG) option. The targeted impressions per month are as follows:

- DocuPrint 4850 NPS/IPS: 100-750K
- DocuPrint 4890/92C NPS/IPS: 250K-1.3 million

Usage outside this range may vary the service frequency.

## Speed

Data can be printed at rates up to 92 pages per minute. Throughput rate can vary depending upon job complexity and system configuration.

## Resolution

DocuPrint 4850/4890 NPS/IPS: 300 by 300 spots per inch (spi)

DocuPrint 92C NPS/IPS: 600 by 600 spots per inch (spi)

## Paper handling

- 20 lb. (80 gsm) bond to 110 lb. (200 gsm) index cut-sheet weights
- Paper sizes: 8 by 10 in. (203 by 254 mm) to 8.5 by 14 in. (216 by 356 mm), including A4

### **Input:**

- Main Tray (Tray 1): 1000 sheet capacity of 20 lb. (80 gsm) bond paper
- Auxiliary Tray (Tray 2): 500 sheet capacity of 20 lb. (80 gsm) bond paper
- High Capacity Feeder (Optional): Two additional 1000 sheet 20 lb. (80 gsm) bond input feeders

### **Output:**

- Dual Stacker: Each tray holds 750 sheets of 20 lb. (80 gsm) bond with offset capability
- Sample Tray: 100 sheets of 20 lb. (80 gsm) bond
- Stitcher/Stacker: 2000 sheets of 20 lb. (80 gsm) bond, up to 50 sheets stitched, offset capability. Capacity may vary depending on the number of sheets stitched per set.

## System control module

### (High performance Sun workstation)

The NPS/IPS printing system comes with the **Sun Blade 1000** or the **Sun Ultra 60** workstation.

**Note:** This configuration may change due to Xerox policy of staying abreast of current technology.

- Processor (system unit) containing:
  - Two UltraSPARC III 750 Mhz central processing unit (CPU) modules (Sun Blade 1000) or 450 MHz CPU module (Sun Ultra 60)
  - 4 GB memory (four 1 GB DIMMs)
  - 36 GB hard disk drive
  - DVD-ROM drive
  - 3.5 inch diskette drive
- Keyboard and mouse
- 18-inch monitor (Sun Blade 1000) or 21-inch moitor (Sun Ultra 60)

- Optional Token Ring baord (Sun Blade 1000)
- Two Printer Controller Interface (PCI) boards installed in the processor to interface with the print engine. (Sun Blade 1000)

## Printer module

- No throughput degradation for highlight color printing
- Simultaneous exposure of both black and color images for excellent registration
- Black dry ink (permanent) plus one color Customer Changeable Unit (CCU) which will be either Red, Blue, Green, Cyan, Magenta, Cardinal, Royal, Ruby, Violet, or Brown
- Operator attention light

## PSF environment

The system operates in the following PSF environments:

- MVS
- VM (channel-attached only)
- VSE (channel-attached only)
- OS/2
- AS/400 (with TCP/IP only)
- AIX

## PDL compatibility

The system interprets the following text formats:

- PostScript level 1
- PostScript level 2
- PCL5c
- PCL5e
- ASCII

## Space requirements

### **Controller:**

**Note:** The following is presented as an example of typical space requirements for Sun workstations.

Space requirements for the printer controller are 36 by 36 inches/ 91 by 91 cm.

- Processor (Sun Blade 1000)
  - 25 in. deep by 10 in. wide by 17.75 in. high (63.5 cm by 25.4 cm by 45.1 cm)
- Processor (Sun Ultra 60)
  - 17.5 in. deep by 17.5 in. wide by 5 in. high (44.5 cm by 44.5 cm by 12.7 cm)
- Monitor (Sun Blade 1000)
  - 10 in. deep by 17.5 in. wide by 18.5 in. high (25.4 cm by 44.5 cm by 47 cm)
- Monitor (Sun Ultra 60)
  - 21 in. deep by 19 in. wide by 21 in. high (53.3 cm by 48.3 cm by 53.3 cm)
- 4 mm DAT SCSI tape drive (optional)
  - 12.25 in. deep by 7.5 in. wide by 2.75 in. high (31 cm by 19 cm by 7 cm)

- Keyboard
  - 7.5 in. deep by 20 in. wide (19.1 cm by 50.8 cm)
- HCU (for a channel-attached system)
  - 15 in. deep by 16 in. wide by 5 in. high (40.8 cm by 41.6 cm by 12.6 cm)
- Channel interface board and channel cable connector box (for channel-attached systems)
  - 9.7 in. deep by 27.1 in. wide (24.6 cm by 68.8 cm)

### **Printer:**

Space requirements (physical hardware and required service area) for each of the printer configurations are:

- DocuPrint 4850/4890/92C printer with dual stacker
  - 164 in. by 106.5 in. (417 cm by 271 cm)
- DocuPrint 4850/4890/92C printer with stitcher/stacker
  - 162 in. by 106.5 in. (411 cm by 271 cm)
- DocuPrint 4850/4890/92C printer with high-capacity feeder and dual stacker
  - 186 in. by 106.5 in. (473 cm by 271 cm)
- DocuPrint 4850/4890/92C printer with high-capacity feeder and stitcher/stacker
  - 184 in. by 106.5 in. (467 cm by 271 cm)

**Note:** Additional space (6 in. by 64 in. / 15 cm by 163 cm) is required in front of the printer for CCU cart operability.

For additional space/configuration options, refer to the *Xerox DocuPrint 4850/4890/92C NPS/IPS Installation Planning Guide* (Pub #721P90090).

## System connections

One of the following network communications systems may be used to transport documents from the client workstation to the printer:

- Ethernet LAN running TCP/IP, AppleTalk, or Novell NetWare network protocol software.
- Token Ring running TCP/IP or AppleTalk network protocol software
- Bus and tag channel connection, using the Host Channel Unit (HCU) or the PCI board and control unit
- Fibre Distributed Data Interface (FDDI) running TCP/IP, Novell 3.x, or AppleTalk network protocols (available only with the Solaris 2.x environment). The FDDI supports a Single Connection configuration only.

**Note:** DocuPrint does not support multiple network interfaces simultaneously.

## Special considerations

- Color toner detection by Optical Character Recognition (OCR) scanners is wavelength dependent.
- Appearance of a very small, white transition region between solid color and solid black images is common to tri-level xerographic printing.
- Transference of the black toner to poly-vinyl surfaces is a common occurrence; color toner does not transfer.
- Print quality is guaranteed to a range of three to four millimeters for edge marking and six millimeters for text printing to the edge of the page.
- Xerox carbonless paper is approved for DocuPrint 4890/92C only. Refer to the Xerox Supplies Catalog for the reorder numbers.
- Appearance of very small spots is a common occurrence on all xerographic printers. Consult your Xerox service representative for details on acceptable spot occurrence specifications.

## Environmental requirements

- Operating temperature:
  - Recommended: 72° +/- 4° F (22° +/- 2° C)
  - Min./Max.: 60° to 80° F (15.5° to 26.7° C)
- Humidity:
  - Recommended: 45% +/- 10% RH
  - Min./Max.: 30% to 65% RH
- Heat Dissipation (System Control Module): Max. 1,100 BTU/hour
- Heat Dissipation (Printer Module):
  - Standby mode (50/60 Hz): Max 9,100 BTU/hour
  - Operating mode (50/60 Hz): Max 14,980 BTU/hour

## Electrical requirements

- System Control Module/HCU or PCI board (60 Hz):
  - 115 or 220 VAC
  - 15 amp service (for 115 VAC, NEMA 5-15R or ANSI C73, 11R)
  - 0.8 KVA rating
- System Control Module/HCU or PCI board (50 Hz):
  - 100-240 VAC +/- 10%
  - 15 amp service (power connection per local codes/regulations)
  - 0.8 KVA rating
- Printer Module (60 Hz):
  - 120/208 or 120/240 VAC
  - 30 amp service (NEMA 14-30R)
  - 5.5 KVA rating (Operating mode)
- Printer Module (50 Hz):
  - 220, 230, 240 VAC
  - 30 amp service (power connection per local codes/regulations)
  - 5.5 KVA rating (Operating mode)

## Supplies

Xerox Color	Reorder # (US)	Reorder # (XE)	Cartridges per Carton	Expected Yield (Prints/Carton)
Dry Ink, Black	6R296	6R90193	6	180,000
Dry Ink, Red	6R297	6R90194	3	270,000
Dry Ink, Blue	6R754	6R90225	3	270,000
Dry Ink, Green	6R299	6R90196	3	270,000
Dry Ink, Cyan	6R755	6R90226	3	270,000
Dry Ink, Magenta	6R816	6R90227	3	270,000
Dry Ink, Royal	6R826	6R90232	3	270,000
Dry Ink, Cardinal	6R825	6R90231	3	270,000
Dry Ink, Violet	6R828	6R90243	3	270,000
Dry Ink, Ruby	6R827	6R90242	3	270,000
Dry Ink, Brown	6R842	6R90245	3	270,000
Fuser Lubricant	8R983	8R983	2 Tubes	240,000
Stitcher Wire	8R1174	8R1174	1 Reel	32,000 Staples

### Notes:

- Expected dry ink yield is based on a 5% black and 1.5% color area coverage. This yield will vary depending on area coverage of the application and darkness settings of the printer.
- Use only dry ink that is specified for use in the DocuPrint 4850/4890/92C printer even when printing non-colored jobs.
- Purchase of colored dry ink is required to operate your DocuPrint 4850/4890/92C NPS/IPS highlight color system.
 

A small amount of colored dry ink is consumed even when printing non-colored jobs, except in the Black Executive mode.

For further information on this topic, consult your local Xerox service representative.

## Reference material

- Refer to the *Helpful Facts About Paper* to help in selection of preprinted forms, perforated stock and labels.
- Refer to the *Highlight Color in Business Documents -- a Practical Guide* for information on how to leverage the business benefits of HLC documents.

# Xerox DocuPrint 4850/4890/92C NPS/IPS

## Customer Information

## Quick Reference Card

The Xerox DocuPrint 4850/4890/92C NPS/IPS is a highlight color printing system.