Duty cycle

Targeted impressions per month on the Xerox DocuPrint 100/115/135/155/180 EPS:

Printing system	Minimum	Maximum
DP100	800 thousand	3 million
DP115	1 million	3.5 million
DP135	1.2 million	4 million
DP155	1.4 million	4.5 million
DP180	1.8 million	6 million

Note: Usage outside these ranges may vary the service frequency.

Performance

Reliability performance of the Xerox DocuPrint 100/115/135/155/180 EPS for the targeted impressions per month:

Average monthly print volume	Average service calls per month DP100	Average service calls per month DP115	Average service calls per month DP135	Average service calls per month DP155	Average service calls per month DP180
1 million	2.7	2.6	2.5	2.6	2.4
2 million	5.4	5.2	5.0	5.2	4.8
3 million	8.1	7.8	7.5	7.8	7.2
4 million	--	--	10.0	10.4	9.6
5 million	--	--	--	--	12
6 million	--	--	--	--	14.4

Note: Variables other than monthly print volume affect the average number of service calls. Please contact your local Xerox representative for more information.

Resolution

DP 155 and 180: 600 by 2400 dots per inch (dpi)
DP 100, 115, and 135: 600 by 600 dots per inch (dpi)

Speed

The speed at which data can be printed on the Xerox DocuPrint 100/115/135/155/180 EPS:

Printing system	Pages per minute (standard)	Pages per minute (using 7 x 10 in. / 178 x 254 mm paper) *
DP100	100	100
DP115	115	115
DP135	135	154
DP155	155	155
DP180	180	206

Note: Throughput rates can vary depending upon job complexity and system configuration.

* Requires optional 7 by 10 inch enablement kit.

Paper handling

- **Paper weights:** 16 lbs. / 65 gsm bond to 110 lbs. / 200 gsm index cut-sheet weights

- **Paper sizes:**
  - 8 x 10 in. / 203 x 254 mm to 14.33 x 17 in. / 364 by 432 mm, including A4 and A3
  - 7 x 10 in. / 178 x 254 mm with optional 7 x 10 in. enablement kit

Input

- **Main tray (Tray 1):** 1100 sheet capacity of 20 lbs. / 80 gsm bond paper
- **Auxiliary tray (Tray 2):** 600 sheet capacity of 20 lbs. / 80 gsm bond paper

The Xerox DocuPrint 100/115/135/155/180 EPS may have up to six input trays: two processor trays and two, three, or four high-capacity feeder trays.

Output

- **Output bin:** Each output bin has a capacity of 2500 sheets of 20 lbs. / 80 gsm bond with offset capability.

  Two output bins are standard, with up to two additional bins available as options.

- **Sample tray:** 100 sheets of 20 lbs. / 80 gsm bond

Refer to *Helpful Facts About Paper* to help in selection of preprinted forms, perforated stock and labels.

Controller components

- Processor (system unit):
  - One or two UltraSPARC central processing unit (CPU) modules
  - 1 or 2 GB of memory (one or two 1-GB Dual In-line Memory Modules, or DIMMs)
  - 36 or 73 GB hard disk drive
  - High-density, read-only DVD-ROM drive
  - Diskette drive: uses 3.5 inch, 1.44 MB, double-sided, high-density diskettes
  - Ethernet
  - 1 or 2 Printer Controller Interface (PCI) boards
  - PGx64 or XVR-100 video graphics board
- Universal Serial Bus (USB) keyboard and mouse
- 17-inch flat panel monitor

Note: This configuration may change due to the Xerox policy of staying up to date with current technology.

Supported client workstations

Xerox DP 100/115/135/155/180 EPS supports the following types of networked client workstations and operating systems:

- Sun Workstation running Solaris 2.3 or higher
- PC running MS-DOS 5.0 or higher, using Ethernet with TCP/IP or Novell NetWare, and Windows 95/98, NT, Millennium, 2000, or XP
- PC running MS-DOS 5.0 or higher, with one or more of the following TCP/IP packages:
  - PC/TCP Network Software by FTP Software, Inc.
  - Pathway Access by Wollongong Group, Inc.
  - PC-NFS by Sun Select
- Apple Macintosh, System 7 or higher, using AppleTalk through EtherTalk
- Any system that supports RFC-1179 lpr/lpd

PDL compatibility

The system interprets the following data formats:

- PostScript levels 2 and 3
- PCL5e and PCL6
- LCDS
- ASCII
- PDF
- TIFF
- VIPP
- IPDS (currently not available)

Interface requirements

One or more of the following network communications systems may be used to transport documents from a client or host to the printing system.

- Ethernet LAN running TCP/IP, AppleTalk, or Novell NetWare network protocol software
- Online – Bus and tag supporting IBM 3211/4245 interface*
- Token ring LAN running TCP/IP, Novell 3.x, or AppleTalk network protocol software*

* Requires additional equipment.

Installation considerations

- **Data cable:** The controller can be separated up to the length of the data interface cables that connects them.
  - 20 foot / 6.1 meters, or
  - Optional 50 foot / 15.2 meters
- Power cable lengths are as follows:

  Controller: 8 feet / 2.4 m
  Printer: 15 feet / 4.6 m

- Cable length loss must be factored in if equipment is installed in a raised-floor environment. Part of the cable length is routed inside the equipment to connect with interior power receptacles.
- All power cords attach to the back of the printer. Listed below are the distances of the printer power cord attachments from the left end of the printer as you face it:
  - Cord #1: 36 inches / 914 mm
  - Cord #2: 23 inches / 584 mm (DP 155 & 180)

Special considerations

- Transference of the black toner to poly-vinyl surfaces is a common occurrence.
- When printing edge to edge, there is a 3 to 4.8 mm border around the sheet where degraded image quality may occur.
- Edge marking should be no closer than 4.8 mm from the edge of the sheet.
- Xerox carbonless paper is approved for Xerox DocuPrint 100/115/135/155/180 EPS. 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

	Recommended	Minimum	Maximum
Operating temperature	72° +/- 4° F 22° +/- 2° C	50° F 10° C	85° F 29° C
Humidity	45% +/- 10% RH	30% RH	65% RH

	Normal	Maximum
Altitude	Up to 6,000 feet / 1,830 m above sea level	9,000 feet / 2,743 m above sea level

Heat dissipation	Standby	Running
Printer	4,454 BTU/hr. (Fuser on) 2,700 BTU/hr. (Energy saver)	155/180: 32,770 BTU/hr 100/115/135: 28,140 BTU/hr.
Processor and monitor (Sun Blade^{TM})	SB 1000/2000: 1,100 BTU/hr. SB 2500: 1,570 BTU/hr.	

Supplies

	Reorder number	Expected yield (Prints/carton)
Dry ink	US: 6R206 Europe: 6R90100	180,000
Dry ink waste bottle	US: 93K460 Europe: 93K450	N/A
Developer	US: 5R161 Europe: 5R90095	1,000,000
Fuser agent	US: 8R2955 Europe: 8R90163	250,000 (1 bottle)
MICR dry ink	US: 6R819	180,000
MICR developer	US: 5R573	600,000

Notes:

- Expected dry ink yield is based on a 7 percent area coverage, 8.5 by 11 inch or A4 paper, and varies depending on area coverage of the application, as well as the darkness settings of the printer.
- Contact your local Xerox representative for supplies ordering information.

- In the U.S., call 1.800.822.2200 to order Xerox supplies, including paper and other stocks.

Space requirements

	Depth	Width	Height
Controller The following data is accurate for the Sun Blade^{TM} 1000/2000 and 2500 workstations, and is presented as an example of typical space requirements for workstations.			
Stand	35.5 in. 90.2 cm	30 in. 76.2 cm	38.25 in. 97.2 cm
Processor: Sun Blade^{TM} 1000/2000	19.3 in. 49 cm	8.2 in. 21 cm	17.75 in. 45.1 cm
Processor: Sun Blade^{TM} 2500	25 in. 63.5 cm	10 in. 25.4 cm	19 in. 46.3 cm
Monitor	10 in. 25.4 cm	17 in. 43.2 cm	18.5 in. 47 cm
Printer Space requirements (physical hardware and required service area) for each of the printer configurations:			
With inverter feeder/ stacker and 1 feeder/ stacker	114 in. 290 cm	223 in. 567 cm	
With inverter feeder/ stacker and 2 feeder/ stackers	114 in. 290 cm	257 in. 652.8 cm	
With inverter feeder/ stacker and 3 feeder/ stackers	114 in. 290 cm	288 in. 731 cm	
With inverter feeder/ stacker, feeder/ stacker, and bypass transport module	114 in. 290 cm	242 in. 615 cm	
With inverter feeder/ stacker and 2 feeder/ stackers, and bypass transport	114 in. 290 cm	276 in. 701 cm	

Notes:

- All the dimensions are taken from the system frame to the nearest wall or obstruction, shown in inches and centimeters, and are absolute minimums.
- There should be a minimum of 78 inches / 198 cm clearance from the floor to the nearest overhead obstruction, throughout the entire area.

- The printing system must be installed in a fixed location with minimum clearance space of 36 inches / 91.4 cm around all sides of each piece of equipment for access by service personnel.
- 50 inches / 127 cm clearance space is required in front of the printer.
- The controller must be positioned within the line of sight of the printer for safety purposes while the equipment is being serviced.
- Customer must use the Xerox-supplied stand for all controller components. Space requirements for the controller stand are 36 by 36 inches / 91 by 91 cm.
- For proper operation, the printer must be perfectly level. On floors less than two degrees out of level, a leveling kit must be used to level the equipment. The printer will not function properly on floors more than two degrees out of level.

For additional space/configuration options, refer to the *Xerox DocuPrint 100/115/135/155/180 EPS Installation Planning Guide*.

Electrical requirements

	Controller (47-63 Hz)	Printer (60 Hz) Cord #1	155/180 printer (60 Hz) Cord #2	Printer (50 Hz)
Voltage	100-240 VAC (1 phase)	120/208 VAC; or 120/240 VAC (2 phase)	120/208 VAC; or 120/240 VAC (2 phase)	380, 400, 415 VAC (3 phase)
Receptacle NEMA part number	5-15R	14-50R	14-30R	--
Power consumption (KVA) Operating mode	0.4	7.3 + .75 per middle module stacker	7.3+ .75 per middle module stacker	Consult your local service representative

Notes:

- Dedicated service is required for each component. Each power cord must have a separate circuit.
- Power requirements of the bypass transport are satisfied by the printer module.