Installation Preparation Document (for physical installation of the product only)
Xerox DocuTech 128/155/180 HighLight Color

The main DocuTech 128/155/180 HLC components are:

- Sun Blade™ 2500 Controller
  - CD/DVD combo drive
  - color flat panel monitor
  - keyboard and mouse
  - Ethernet interface (10/100/1000 BaseT)
  - Three printer interface cards
  - Controller Stand
  - Options
    - 18/36 track tape drive
    - Online connection
    - QIC tape
    - USB floppy disk drive

or

- Sun W1100Z (AMD) contoller
  - CD/DVD combo drive
  - color flat panel monitor
  - keyboard and mouse
  - Ethernet interface (10/100/1000 BaseT)
  - Three printer interface cards
  - Controller Stand
  - Options
    - 18/36 track tape drive
    - Online connection
    - QIC tape
    - USB floppy disk drive
- Solaris 10 and DocuSP print services software

- Printer
  - Black plus one highlight color*
  - Xerographic engine with laser raster imaging system for black and Light Emitting Diode for color
  - Permanent housing for black dry ink; customer changeable unit (CCU) for color dry ink
  - Prints simplex or duplex
  - Inverter Feeder/Stacker and up to 3 additional feeder/stackers
  - Optional Bypass Transport to provide connection to additional finishers

* Additional dry inks, not listed on this document, will be customer options as they become available, and will be offered under standard Xerox terms and conditions.

Space Requirements / Service Space Envelope

The dimensions shown below are <u>absolute</u> minimums.

Configuration	Width	Depth	Min total req'd Width x depth	Weight
With inverter feeder/stacker and one feeder/stacker	173.3 (in) 433.3 (cm)	48.8 (in) 122 (cm)	262.5 x 131.5 (in) 631.3 x 328.8 (cm)	3164 lbs 1438 kg
With inverter feeder/stacker and two feeder stackers	205.6 (in) 511.3 (cm)	48.8 (in) 122 (cm)	294.8 x 131.5 (in) 737 x 328.8 (cm)	3685 lbs 1675 kg
With inverter feeder/stacker and three feeder/stackers	237.9 (in) 594.4 (cm)	48.8 (in) 122 (cm)	327.1x 131.5 (in) 817.8 x 328.8 (cm)	4206 lbs 1912 kg
Optional Bypass Transport*	20.4 (in) 51 (cm)	28.3 (in) 71 (cm)		176 lbs 80 kg

- The minimum total space required includes the required space necessary for the Xerox service personnel to service the printer.
- A minimum of 78 inches/198 cm clearance from the floor to the nearest overhead obstruction must be maintained.
- The printing system must be installed in a fixed location.
- Space requirements for the controller stand are 36 x 36 inches/91 x 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 detailed space requirements and diagrams, refer to the *DocuTech 128/155/180 HighLight Color Installation Planning Guide.*

Electrical Requirements (printer)

The printer requires:

- 60 HZ service (2 cords required)

	MultiSource 2-phase, dual power cord configuration	
Voltage	208/240 (4 wire)	208/240 (4 wire)
Amperage (dedicated)	50	30
Cycles	60 Hz	60 Hz
Receptacle Xerox Part No.		
Receptacle NEMA Part No.	14-50R	14-30R
Receptacle Diagram		
Power Cord Kit Number		
Power Cord Length	15 feet	15 feet

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- 50 Hz service
  - 30 amp dedicated service (WYE): 220/380 VAC or 230/400 VAC or 240/415 VAC (3 phase)

Agency certifications: UL, cUL, CE Mark, FCC

Electrical Requirements (Controller)

The Controller requires 20 AMP dedicated service. The information for the 20 Amp electrical service is identified below.

	Controller	36 Track Tape (Optional)
Line Options	Dedicated	Dedicated
Voltage	115vac	115vac
Amperage	20	20
Cycles	60 Hz	60 Hz
Xerox Receptacle Part No.	600S3703	600S3703
Receptacle NEMA Part No.	5-20R	5-20R
Power Cord Xerox Part No.	98K19950	98K19950
Receptacle Diagram		
	97S02370	97S02370

Installation Considerations

1. DocuTech HLC printers built in 2004 may require specific delivery cooperation between the Xerox Service Representative and the delivering Rigger for any doorway or hall that is smaller than 37 inches. Please ensure that Xerox Service is informed during the preinstallation planning process if any opening through which the printer is to be moved is smaller than 37 inches.
2. Dedicated service is required for each component.
3. The controller can be connected to a 15 amp or 20 amp outlet.
4. The length of the cable from the controller to the printer is 16 feet (4.8 metres).
5. Do not use an adapter to connect the controller to an electrical outlet that lacks a ground connection terminal.
6. The customer is responsible for providing the network and the client workstation(s). The Ethernet interface on the DocuSP controller is a auto-sensing 10/100/1000 - MB/sec twisted pair standard (BaseT).
7. The Ethernet connection to the DocuSP controller must be compatible with the Institute of Electrical and Electronics Engineers (IEEE) 802.3 standard.

Paper Handling

- 16 to 110 lb. (60 to 200 gsm) cut sheet paper weights
- 8 by 10 in. to 14 x 17 in. (203 by 254 mm to 356 by 432 mm) including A4, A3, and B4 paper sizes
- 7 by 10 in. (178 by 254 mm) optional enablement kit
- Transparencies, label stock, tab stock, carbonless paper, pre-perforated stock
- Paper stock weights less than 16 lb. are not recommended.
- Textured stocks are not recommended.
- Some 65 lb. stocks may not fully fuse.

Input

Tray	Capacity
Main tray (tray 1)	1,100 sheets 20 lb (75 gsm)
Auxiliary tray (tray 2)	600 sheets 20 lb (75 gsm)
High capacity feeders (trays 3 and 4)	2,600 sheets each 20 lb (75 gsm)
Additional high capacity feeders (up to two optional)	2,600 sheets each 20 lb (75 gsm)

Output

Tray	Capacity
Two high-capacity stackers	2,500 sheets each 20 lb (75 gsm)
Sample tray	100 sheets 20 lb (75 gsm)
Purge tray	100 sheets 20 lb (75 gsm)

Environmental Requirements

Temperature	50 to 85 $^\circ$ F (10° to 29 $^\circ$ C)
Humidity Non-condensation	30 to 65% RH
Heat Emission - printer	4454 BTU/Hr (Standby) 32,770 BTU/Hr (Operating)
Altitude (above sea level)	Up to 6,000 ft (1830 m)

Operating Supplies

	Reorder No.
Dry Ink - Black	6R206 (US/CA)
Dry Ink – Blue	6R1191 (US/CA) 6R90343 (XE)
Dry Ink – Red	6R1192 (US/CA) 6R90344 (EU)
Dry Ink – Green	6R1193 (US/CA) 6R90345 (EU)
Dry Ink – Royal Blue	6R1255 (US/CA) 6R90356 (XE)
Dry Ink – Cardinal Red	6R1277(US/CA) 6R90358(XE)
Dry Ink – Cyan	6R1284(US/CA) 6R90359(XE)
Dry Ink – Magenta	6R1296 (US/CA) 6R90360 (XE)
Dry Ink – Yellow*	6R1299 (US/CA) 6R90361 (XE)
Developer (Black, Red, Blue, Green, Royal Blue, Cardinal Red, Cyan, Magenta, Yellow)	NA
Fuser Blend	8R12938 (1 bottle) 8R12939 (6 bottles)
Fuser Shield	8R4077 (1 bottle) 8R7618 (6 bottles)
Dry ink waste container	93K1393
HLC developer waste bottle	604K24870 (4 bottles)

* Will be available in the near future.

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NOTE: The formula for the DocuTech HLC fuser lubricant was changed in 2006 to provide better image quality and to prevent image transfer. The new fuser formula is called Fuser Shield. The Fuser Blend and the Fuser Shield CANNOT be intermixed in a DocuTech HLC. To change from one fuser lubricant to another requires a service call and cleaning or replacing components. The two fuser formulas are identified with different color bottles and caps.

If a machine is running with in-line finishing equipment, the new Fuser Shield may contribute to poor binding at the binder glue seam. Customers experiencing this problem can have their equipment returned to using Fuser Blend by placing a service call to clean and/or replace components. Do NOT place Fuser Blend in a machine that has been using Fuser Shield.

- Monthly duty cycle is up to 4 million (DT 128 HLC), 4.5 million (DT 155 HLC) or 6 million (DT 180 HLC).
- The Xerox Supplies Marketing Center, 1-800-822-2200, is available for ordering Xerox supplies, including paper and other throughput material.
- The Dry ink waste container supply is maintained at the customer site by the Xerox Service Representative and is not orderable by the customer.

Network Connectivity

The DT 1xx HLC supports the following connectivity:

Network Operating System	Protocol	Topology
Novell 3.x / 4.x (NDS or Bindery mode)	IPX / SPX	Ethernet
Windows NT 4.0 / Win2000 / WinXP	TCP / IP LPR	Ethernet / Token Ring
AppleTalk	EtherTalk	Ethernet
LPD Server (Unix Systems)	TCP / IP	Ethernet / Token Ring
Online Channel	IBM 3211/4245	Ethernet / Token Ring Bus and Tag

NOTE: Token Ring is not available for AppleTalk or Novell environments.

The system supports Port Printing, and HTTP and IPP Printing modes. Additionally, SNMP Services and DocuSP Remote Workflow can be enabled on the customer's network.

Print Drivers - Environments

The DT 1xx HLC supports the following print drivers:

- Windows 95/98/ME/2000/XP
- Windows NT 4.0
- MAC OS 8.6 & higher
- Solaris 2.8

Additional Optional Interface Requirements

Online – Bus and Tag supporting IBM 3211/4245 interface.

PDL Compatibility

The system interprets the following data streams:

- PostScript Level 3
- HP PCL5c / HP PCL6
- ASCII
- PDF
- TIFF
- VIPP
- PPML
- LCDS/Metacode and IPDS will be customer options which may be acquired as they become available, and will be offered under standard Xerox terms and conditions.

Printing Considerations

Not all features and capabilities are available with every print driver and OS/Protocol combination. Custom software applications may produce unexpected results.

Other Considerations

- The Xerox Welcome Center at 1-800-821-2797 is available to provide customer support.

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