XEROX ®

| Technology | Document Management | Consulting Services |

Xerox Nuvera™ 100/120/144,
Xerox Nuvera™ 100/120/144 MX
Digital Production Systems

S p e c i f i c a t i o n s

Xerox Nuvera™ Digital Production System

With the Xerox Nuvera™ Digital Production System, black-and-white documents have a whole new image. Speeds up to 144 ppm mean nothing can slow you down. Plus, you have the freedom to design a machine that meets your needs.

Because your black-and-white documents are a reflection on you.

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Xerox Nuvera™ 100/120/144, Xerox Nuvera™ 100/120/144 MX Digital Production Systems

For more information on the Xerox Nuvera 100/120/144, Xerox Nuvera 100/120/144 MX Digital Production Systems, call **1-800-ASK-XEROX** or visit us on the web at: **www.xerox.com**

Optional Integrated Document Scanning

(Only available on Nuvera 100/120/144 Digital Production System.)

Scan Rate

Speed based on 8.5" x 11"/A4-sized media:
• One sided: 120 images per minute
• Two sided: 120 images per minute (Dual scan heads)

Resolution

• Optical 600 x 600 dpi scan (copy)
• 8-bit Gray (256 shades)
• Maximum scan from platen: 12.0" x 18.0" (305 mm x 457 mm)
• High resolution, high signal-to-noise image sensor
• Scan to File resolution: 300, 400, 600, 1200 dpi

Automatic Document Feeder

• Capacity: 300 sheets (20 lb bond/75 gsm)
• Sizes: 5.5" x 8.5" to 11" x 17" (A5 to A3)
• Weights: 13 lb bond–80 lb cover (49–220 gsm)

Print Controller

RIP

• Xerox Document Services Platform (DocuSP®)
• Server Class Processors:
  – Opteron™ Technology
• 15" color flat panel monitor (attached), USB keyboard, USB mouse
• Data streams:
  – Standard: TIFF, Multi-page TIFF
  – Optional: Adobe® PostScript® Level 3, PDF, PCL6, ASCII, VIPP®/PostScript®, PPML, LCDS and IPDS
• Connectivity options:
  – Ethernet interface (10/100BaseT; 1 GB)
  – IBM Bus and Tag

Storage

• Memory: 1 GB
• Hard Drive: 160 GB
• CD-RW/DVD-ROM Drive
• Second Hard Drive: 400 GB SATA (optional)

Print Submission Drivers

• Microsoft Windows® 95 through Windows® XP Professional
• Apple Macintosh® OS 8 through Macintosh® OS X
• Sun Microsystems® Solaris® 2.6, 7.x, 8.x
• Linux® 2.x
• FreeFlow® Print Manager
• Xerox Web User Interface

Management Tool Support

• IBM® Tivoli®
• CA® Unicenter®
• HP OpenView
• SNMP V.1, IETF & Xerox MIB's, Trap Support
• CentreWare® Web

Toner

(Only available on Nuvera 100/120/144MX Digital Production System.)

MICR

• Magnetic Ink Character Recognition (MICR) dry ink toner

Printer Module

Image Quality

• 1200 x 1200 dpi RIP resolution
• 4800 x 600 dpi print resolution
• Halftone screen: 85, 106, 125, 134, 156 lpi
• Operator adjustable settings: light/dark, contrast, sharpness, Toner Saver
• Non-contact High Resolution Hybrid Jumping Development System for grayscale uniformity
• Silicon/Teflon® fusing for sharper halftones
• Dual diode Raster Output System (ROS)
• Print path image-to-sheet and front-to-back registration ± .65 mm

Print Speed

• Nuvera 100 Digital Production System:
  – 8.5" x 11"/A4-sized media: 100 images per minute
  – 11" x 17"/A3-sized media: 60 images per minute
• Nuvera 120 Digital Production System:
  – 8.5" x 11"/A4-sized media: 120 images per minute
  – 11" x 17"/A3-sized media: 72 images per minute
• Nuvera 144 Digital Production System:
  – 8.5" x 11"/A4-sized media: 144 images per minute
  – 11" x 17"/A3-sized media: 72 images per minute
• Warm-up: 4.33 minutes
• Average Monthly Print Volume (AMPV):
  – Nuvera 100 Digital Production System: 100K–1M/month
  – Nuvera 120 Digital Production System: 100K–1.5M/month
  – Nuvera 144 Digital Production System: 100K–2M/month
• Duty Cycle:
  – Nuvera 100 Digital Production System: 2.8M/month
  – Nuvera 120 Digital Production System: 3.2M/month
  – Nuvera 144 Digital Production System: 3.7M/month

Media Input Options

Input Capacity

Sheet-feed module:
• Trays per feed module: 4
• Total 5,800 sheets per module (20 lb bond/75 gsm)
• Vacuum Air shuttle feed system
• Optional second module available

Capacity based on 20 lb bond/75 gsm:
• Tray 1: 1,600 sheets; 5.5" x 8.5" to 9" x 12.6" (140 mm x 216 mm to 229 mm x 320 mm)
• Tray 2: 3,100 sheets; 5.5" x 8.5" to 9" x 12.6" (140 mm x 216 mm to 229 mm x 320 mm)
• Tray 3 and 4: 550 sheets each; 8" x 10.1" to 12.6" x 18.5" (203 mm x 257 mm to 320 mm x 470 mm)

High capacity sheet-feed module:
• Trays per feed module: 2
• Total 3,200 sheets per module (20 lb bond/75 gsm)

Capacity based on 20 lb bond/75 gsm:
• Tray 1: 1,600 sheets; 7.2" x 8" to 12.6" x 18.5" (183 mm x 203 mm to 320 mm x 470 mm)
• Tray 2: 1,600 sheets; 7.2" x 8" to 12.6" x 18.5" (183 mm x 203 mm to 320 mm x 470 mm)

Media Latitude[1, 2, 3]

• Sizes: 5.5" x 8.5" to 12.6" x 18.5" (140 mm x 216 mm to 320 mm x 470 mm–SRA3)
• Weights:
  – Coated: 60 lb text to 12 pt cover (90–250 gsm)
  – Uncoated: 38 lb book to 90 lb cover (56–245 gsm)
  – MICR: 60 lb text to 100 lb text (90–145 gsm)
• Paper Types:
  – Coated: gloss, silk, matte
  – Uncoated: book, text, bond, cover, Bristol, index offset
  – Specialty: tabs, envelopes, preprinted offset forms (carbonless, never-tear 100/120/144 only)

[1]Consult Xerox for expectations and unique performance parameters. Coated papers under 120 gsm may experience degraded performance.
[2]Consult inline device specifications for its capabilities and requirements.
[3]Printing on preprinted offset forms requires special handling.

Basic Finisher Module

(Basic Finisher Module Plus compatible with Basic Finisher Modules manufactured April 2006 or later.)

• Top tray: 250 sheet capacity
• Stacker: 3,000 sheet capacity; offset between sets or jobs
• One or two staples, up to 100 sheets
• Size: 5.5" x 8.5", A5 and SRA3 to top tray only
• Size: 7" x 10" to 12" x 18" (B5 to A3)

Finishing Transport Module

• Interface to inline production finishing devices for stacking, booklet making, perfect binding, punching and thermal binding
• Top tray: 250 sheets (20 lb bond/75 gsm)
• Document Finishing Architecture (DFA) compliant

Electrical Requirements

• 200–240 VAC, 30 amp, 50/60 Hz wall service
  – Printer, Feeder and Finisher modules included
• Optional 50 amp to 30 amp Converter Box available
• Optional modules require standard 100–240 VAC, 50/60 Hz wall service
• Power consumption: 0.723 kw (standby); 4.275 kw (running)

Environmental Requirements[1]

• Temperature: 50° to 90° F (10° to 32° C)
• Relative Humidity: 15% to 85%; wet bulb limitation 77° F
• Run Mode Heat Emissions: configuration dependent; consult Installation Planning Guide

Certifications

• Section 508 of the Rehabilitation Act
• Corporate Environmental Leadership Team policy of maintaining a waste-free customer office
• UL 60950, third edition, C-UL Approved for Canada & ICES-003-2 B and IEC 60950, third edition

Physical Characteristics

Feeder Module (same measurements for Inserter)

Width	Depth	Height	Weight
31"	28"	44.6"	423 lbs
787.4 mm	711.2 mm	1,132.8 mm	192 kg

Feeder Module with Integrated Scanner (100/120/144 only)

Width	Depth	Height	Weight
31"	28"	49.5"	505 lbs
787.4 mm	711.2 mm	1,257.3 mm	229 kg

Print Engine

Width	Depth	Height	Weight
43"	29"	61.6"	803 lbs*
1,092.2 mm	737 mm	1,565 mm	364.2 kg*

Basic Finisher Module

Width	Depth	Height	Weight
33"	28"	43.5"	369 lbs
838 mm	711.2 mm	1,105 mm	167.4 kg

Finishing Transport Module

Width	Depth	Height	Weight
35"	28"	44.6"	389 lbs
889 mm	711.2 mm	1,133 mm	176 kg

*With consumables loaded

Please reference the specification sheets for Xerox FreeFlow® Makeready, Process Manager and Web Services for complete details.