

Toner System

The printer uses a separated toner system comprised of a Toner Cartridge and Imaging Unit.

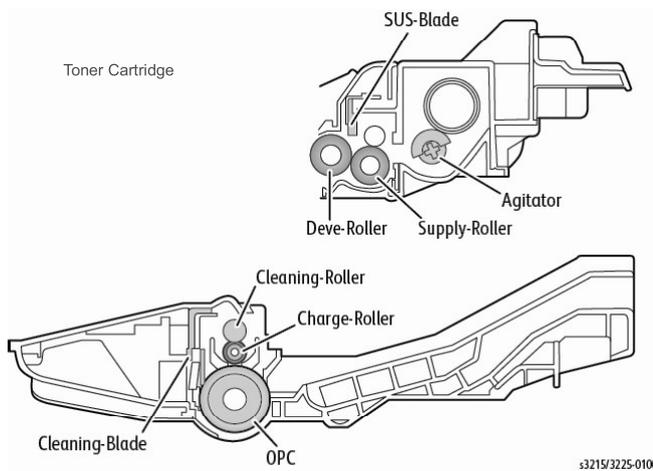


Figure 7 Separated Toner System

Product Specifications

Table 1 Product Overview

Feature	WorkCentre 3215NI	WorkCentre 3225DN/ DNI
Speed	26 ppm (A4), 27 ppm (8.5 x 11 in.)	28 ppm (A4), 29 ppm (8.5 x 11 in.)
Print Resolution - effective output	1200 x 1200 dpi	1200 x 1200 dpi
Processor	600MHz	600MHz
Printer Language Emulation	PCL6/5e, IBM ProPrinter, EPSON, SPL	PCL6/5e, IBM ProPrinter, EPSON, SPL
Memory	DDR3 128MB	DDR3 128MB
Interface	High speed USB 2.0 10/100 BaseTX network connector	High speed USB 2.0 10/100 BaseTX network connector 802.11b/g/n wireless LAN
Toner Cartridge - Initial	1,500 images	1,500 images
Toner Cartridge - Standard/High Yield	1,500 images/3,000 images	1,500 images/3,000 images

Table 2 General Print Engine Specifications

Item	Mode	WorkCentre 3215	WorkCentre 3225
Engine Speed	Simplex	26 ppm (A4), 27 ppm (8.5 x 11 in.)	28 ppm (A4), 29 ppm (8.5 x 11 in.)
	Duplex	13 ppm (A4), 14 ppm (8.5 x 11 in.)	14 ppm (A4), 15 ppm (8.5 x 11 in.)
Warm-up Time	From Sleep Mode	Less than 14 seconds	Less than 14 seconds
FPOT	From Sleep Mode	Less than 8.5 seconds	Less than 8.5 seconds
	From Standby	Less than 15 seconds	Less than 15 seconds
Resolution		1200 x 1200 dpi	1200 x 1200 dpi

Table 3 Copy Function Specifications

Item		Specification (WorkCentre 3215NI / 3225DN/ DNI)
Copy Speed	1 to 1 copying	20 cpm
FCOT	From Standby	Less than 15 seconds

Table 3 Copy Function Specifications

Item		Specification (WorkCentre 3215NI / 3225DN/ DNI)
Copy Resolution	Text	<ul style="list-style-type: none"> From Document Feeder Scan 600 x 600 dpi (Optical 600 x 300 dpi), Printing: 600 x 600 dpi From Document Glass Scan: 600 x 600 dpi (Optical 600 x 600 dpi), Printing: 600 x 600 dpi
	Text/Photo	<ul style="list-style-type: none"> From Document Feeder Scan 600 x 600 dpi (Optical 600 x 300 dpi), Printing: 600 x 600 dpi From Document Glass Scan: 600 x 600 dpi (Optical 600 x 600 dpi), Printing: 600 x 600 dpi
	Photo	<ul style="list-style-type: none"> From Document Feeder Scan 600 x 600 dpi (Optical 300 x 300 dpi), Printing: 600 x 600 dpi From Document Glass Scan: 1200 x 1200 dpi (Optical 300 x 300 dpi), Printing: 1200 x 1200 dpi
Original Type	Factory Default	Text/Photo
Max Original Size	Document Glass	A4
	Document Feeder (ADF)	Legal (8.5 x 14 in.)
Basic Copy	Multi Copy	1 to 99
	Automatic Paper Selection	No
	Manual Paper Selection	Yes
	Duplex Copy	Yes
	Darkness Control	11 levels
	Magnification	Document Feeder: 25 - 400% Document Glass: 25 - 100%

Table 4 Scan Function Specifications

Item		Specification (WorkCentre 3215NI / 3225DN/ DNI)
Resolution	Optical	1200 x 1200 dpi
	Enhanced	4800 x 4800 dpi
Halftone		256 levels
Scan Size	Max. Document Width	216 mm (8.5 in.)
	Effective Scan Width	208 mm (8.2 in.)
	Max. Document Length	ADF: 356 mm (14 in.) Document Glass: 297 mm (11.7 in.)
	Effective Scan Length	ADF: 328 mm (13.7 in.) Document Glass: 289 mm (11.4 in.)
Scan Depth	Color	24 bits
	Mono	1 bit for Line art and Halftone 8 Bits for Gray scale
ADF	Capacity	40 sheets @ 80 gsm
	Document size	Width: 142 to 216 mm Length: 148 to 356 mm

Table 4 Scan Function Specifications

Item		Specification (WorkCentre 3215NI / 3225DN/ DNI)
Scan Method		Color CIS cpm
Compatibility		TWAIN, WIA
Color Mode		Mono / Gray / Color
Scan Speed	Line art, Halftone (mono)	20 ipm @ 300 dpi
	Gray (mono)	20 ipm @ 300 dpi
	Color	6 ipm @ 300 dpi

Table 5 Fax Function Specifications

Item		Specification (WorkCentre 3215NI / 3225DN/ DNI)
Compatibility		ITU-T G3, ECM
Communication System		PSTN/PABX
Modem Speed		33.6 Kbps
TX Speed		Approx. 3 sec (Mono/Standard/ECM-MMR, @ ITU-T G3 No.1)
Compression		MH/MR/MMR/JBIG/JPEG
Color Fax		Yes (Tx only)
ECM		Yes
Resolution (mono)	Standard	203 x 98 dpi
	Fine	203 x 196 dpi
	S Fine	300 x 300 dpi
Telephone Features	Handset	Yes (China Only)
	On hook Dial	Yes
	Search	Yes (Phone Book)
	Speed Dial	200 locations
	Group Dial	Group Dial
	TAD I/F	Yes
	Tone/Pulse	Yes (Selectable in Tech Mode)
	Pause	Yes
	Auto Redial	Yes
	Last Number Redial	Yes
	Caller ID	No
	External Phone Interface	Yes

Table 6 Controller and Software

Item		Specification (WorkCentre 3215NI / 3225DN/ DNI)
Processor		600 MHz
Memory	Standard	256 MB
	Maximum	256 MB
Printer Languages		PCL6/5e, IBM ProPrinter, EPSON, SPL
Fonts		Windows
Print Driver	Default Driver	WorkCentre 3215: SPL
		WorkCentre 3225: PCL6
	Install	WorkCentre 3215: SPL WorkCentre 3225: PCL6
Supporting OS		Windows® 2000/ XP (32/64bits) Windows® Vista(32/64bits) Windows® 2003 Server (32/64bits) Windows® 2008 Server (32/64bits) Windows® 7 (32/64bits) Windows® 2008 Server R2 (64bits)
		Linux RedHat Enterprise Linux WS 4, 5 (32/64 bit) Fedora 4, 5, 6, 7, 8, 9, 10, 11, 12 (32/64 bit) SuSE Linux 10.0, 10.1 (32 bit) OpenSuSE 10.2, 10.3, 11.0, 11.1, 11.2 (32/64 bit) Mandriva 2005, 2006, 2007, 2008, 2009, 2009.1 (32/64 bit) Ubuntu 5.04, 5.10, 6.06, 6.10, 7.04,7.10, 8.04, 8.10,9.04, 9.10(32/64 bit) SuSE Linux Enterprise Desktop 10, 11 (32/64 bit) Debian 4.0, 5.0 (32/64 bit)
WHQL		Windows® 2000/ XP (32/64bits) Windows® Vista(32/64bits) Windows® 2003 Server (32/64bits) Windows® 2008 Server (32/64bits) Windows® 7 (32/64bits) Windows® 2008 Server R2 (64bits)

Table 6 Controller and Software

Item		Specification (WorkCentre 3215NI / 3225DN/ DNI)
	Compatibility	Windows® 2000/ XP (32/64bits) Windows® Vista(32/64bits) Windows® 2003 Server (32/64bits) Windows® 2008 Server (32/64bits) Windows® 7 (32/64bits) Windows® 2008 Server R2 (64bits)
Scan Driver	TWAIN	Yes
	WIA	Yes
	ICDM	Yes
	Supporting OS	Windows® 2000/ XP (32/64bits) Windows® Vista(32/64bits) Windows® 2003 Server (32/64bits) Windows® 2008 Server (32/64bits) Windows® 7 (32/64bits) Windows® 2008 Server R2 (64bits)
		Linux RedHat Enterprise Linux WS 4, 5 (32/64 bit) Fedora 4, 5, 6, 7, 8, 9, 10, 11, 12 (32/64 bit) SuSE Linux 10.0, 10.1 (32 bit) OpenSuSE 10.2, 10.3, 11.0, 11.1, 11.2 (32/64 bit) Mandriva 2005, 2006, 2007, 2008, 2009, 2009.1 (32/64 bit) Ubuntu 5.04, 5.10, 6.06, 6.10, 7.04,7.10, 8.04, 8.10,9.04, 9.10(32/64 bit) SuSE Linux Enterprise Desktop 10, 11 (32/64 bit) Debian 4.0, 5.0 (32/64 bit) Mac OS X 10.4 through 10.6

Table 6 Controller and Software

Item		Specification (WorkCentre 3215NI / 3225DN/ DNI)
Wired Network	Protocol	TCP/IP TCP/IPv4/IPv6, HTTP, SNMPv1/v2c/v3, SMTP, IPSec, DNS/WINS, DDNS, DHCP, SSL/TLS, BOOTP, AutoIP, Standard TCP/IP printing, LPR, IPP,UPnP(SSDP),Bonjour,Telnet,WSD,SLP,SetIP
		Others HTTPs, IPPs, 802.1x (EAP-MD5,EAP-MSCHAPv2, PEAP,TLS), IPSec
	Supporting OS	Windows® 2000/ XP (32/64bits) Windows® Vista(32/64bits) Windows® 2003 Server (32/64bits) Windows® 2008 Server (32/64bits) Windows® 7 (32/64bits) Windows® 2008 Server R2 (64bits) Linux RedHat Enterprise Linux WS 4, 5 (32/64 bit) Fedora 4, 5, 6, 7, 8, 9, 10, 11, 12 (32/64 bit) SuSE Linux 10.0, 10.1 (32 bit) OpenSuSE 10.2, 10.3, 11.0, 11.1, 11.2 (32/64 bit) Mandriva 2005, 2006, 2007, 2008, 2009, 2009.1 (32/64 bit) Ubuntu 5.04, 5.10, 6.06, 6.10, 7.04,7.10, 8.04, 8.10,9.04, 9.10(32/64 bit) SuSE Linux Enterprise Desktop 10, 11 (32/64 bit) Debian 4.0, 5.0 (32/64 bit) Mac OS X 10.4 through 10.6
Wireless Network (WorkCentre 3225 only)	Protocol	2,11 b/g/n
	Supporting OS	Same as wired network
Application	Easy Printer Manager	Windows and Macintosh
	Smart Panel	Linux
	Network Management	CentreWare® Internet Services
Interface	Parallel	N/A
	USB	High speed USB 2.0

Table 7 Paper Handling

Item		Specification (WorkCentre 3215NI / 3225DN/ DNI)
Standard Capacity		Paper Tray (Cassette) 250 sheets 80gsm Multi Purpose Tray 1 sheet
Maximum Capacity		250 sheets 80gsm
Printing	Minimum media size	8.5 x 14 in. (216 x 356 mm)
	Maximum media size	3.0 x 5.0 in. (76 x 127 mm)
Main Paper Tray	Capacity	250 sheets 80gsm
	Media sizes	8.5 x 14 in. (legal) 8.5 x 11 in. (A4), 5.5 x 8.5 in. (A5), ISO B5, JIS B5, Executive, Oficio, Folio
	Media type	Plain, Lightweight, Recycled, Heavy-weight, Archive
	Media weight	16 to 43 lb (60 to 163 gsm)
	Sensing	Yes
Manual Feed Slot	Capacity	Plain paper and envelope 1 sheet (80 gsm)
	Media sizes	8.5 x 14 in. (legal) 8.5 x 11 in. (A4), 5.5 x 8.5 in. (A5), A6, EXEC, ISO B5, JIS B5, Oficio, Folio, Envelope (No 10, Monarch, DL, C5, C6) Postcard 4x6, Custom
	Media type	Plain, Heavy-weight, Light-weight, Cotton, Colored, Pre-printed, Recycled, Envelope, Transparency, Label, Cardstock, Bond, Archive
	Media weight	16 to 58 lb (60 to 220 gsm)
	Sensing	Yes
Output Tray Full sensing		Yes
Optional Cassette Tray		N/A
Output Tray stacking capacity		Face-down: 150 sheets (80 gsm) Face-up: 1 sheet
Duplex (3225DN/ DNI only)	Supporting	Yes (Built-in)
	Media sizes	8.5 x 14 in. (legal) 8.5 x 11 in. (A4), 5.5 x 8.5 in. (A5), A6, ISO B5, JIS B5, Executive, Oficio, Folio, Custom
	Media types	Plain, Light-weight, Recycled, Heavy-weight, Archive
	Media weight	16 to 28 lb (60 to 105 gsm)
Non-printable Area	Envelope	0.4 in (10 mm) from edge
	Other media	0.16 in (4 mm) from edge

Table 8 Toner Cartridge/Print Cartridge

Machine Model	Item		Approx yield See note
WorkCentre 3215/3225	Toner/Print Cartridge	Initial Cartridge	1500 images
		Standard Cartridge	1500 images
		High Yield Cartridge	3000 images
	Imaging Unit		10,000 images

NOTE:

Declared yield value in accordance with ISO/IEC 19752.

Depending on the options and job mode used, the toner cartridge's life span may differ.

When replacing a Toner/Print Cartridge, check model number and consumables code. Refer to the WorkCentre® 3215/3225 User Guide for information regarding ordering consumables.

Table 9 Reliability and Service

Item	Specification (WorkCentre 3215NI / 3225DN/ DNI)
Printing Volume (SET AMPV)	208 pages
Maximum Monthly Duty	12,000 pages
MPBF	30,000 pages
MTTR	30 minutes
SET Life Cycle	100,000 pages or 5 years (whichever comes first)

Table 10 Environment

Item	Specification (WorkCentre 3215NI / 3225DN/ DNI)	
Operating Environment	Temperature	50 - 90 F (10C to 32C)
	Humidity	20% - 80%
Acoustic Noise Level (Sound Power/Pressure)	Print	Less than 50 dB
	Standby	Less than 30 dB
	Sleep Mode	Back Ground Level
Power Consumption	Print	Less than 400 W
	Standby	Less than 50 W
	Sleep Mode	Less than 2.4 W
	Power Off	Less than 0.2 W When Wi-fi Direct Mode off, Less 1.6W
Dimension (W x D x H)	SET	15.8 x 14.25 x 14.4 in. (401 x 362 x 365.1 mm)
Weight (SET with Toner Cartridge)	Net Weight	24.54 lbs (11.13 Kg)
	Gross Weight	28.48 lbs.(12.92 Kg)