

Xerographics

Xerographic Specification

Drum

Drum distance	211.1mm
Drum rotation speed	260mm / s
Drum surface potential	-700vdc (desired)
Drum Substrate	Aluminium
Drum Coating	Organic photoreceptor, stx, standard variant x
Drum Light Shock Time	1 Minute

Resolution

Max dpi Output	600 dpi
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IBT Belt

Belt Length	2111mm
Belt Material	Black Polymer Film
Max Pitches on Belt	8 x A4
BeltSpeed	265.894mm/s

Input Power

Power Requirement	200vac to 240vac +/- 10%
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Transfer Rolls (BTR)

First Bias Transfer Roll #1	5.5kvdc
First Bias Transfer Roll #2	5.5kvdc
First Bias Transfer Roll #3	5.5kvdc
First Bias Transfer Roll #4	5.5kvdc
Second Bias Transfer Roll	5.5kvdc
Backup Roll	-2.2kvdc

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Xerographic Specification (continued)

Corotron Voltage

Charge Corotron Wire	-5.4kvdc
Charge Corotron Grid	-700vdc
Pre Transfer Corotron Wire	3.9kvdc
Pre Transfer Corotron Grid	550vdc (only used when >50%rh)
Derack Corotron (Dts)	3kvdc (only when >50%rh (all the time xe))

Print Speed

Simplex	60ppm Max
Duplex	30ppm Max

Printable Area

Max Printable Area	303mm x 480mm
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Image Build Order

Image Build on IBT	YMCK
Image Build on Paper	KCMY

Oil Usage

Oil Amount	1.5 μ l per A4 print
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Color

Color Variation	dE 3.1 (where 'E' is a Cie L*ab)
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Xerographic Specification (continued)

ESV

ESV (Black)	Outboard
ESV (Magenta)	Outboard
ESV (Cyan)	Inboard
ESV (Yellow)	Inboard

DRS

DRS	0.30 to 35mm
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Dry Ink

Carrier Bead Size	35 micron
Toner Size	7 Micron
Toner Weight (YMCK)	1.6kg of toner
Carrier Weight (Yellow)	1.9kg 16% carrier (84% toner)
Carrier Weight (Magenta)	2.28kg 30% carrier (70% toner)
Carrier Weight (Cyan)	2.28kg 30% carrier (70% toner)
Carrier Weight (Black)	2.13kg 25% carrier (75% toner)