

# 1. APPENDICES: SPECIFICATIONS

## 1.1 SPECIFICATIONS

### 1.1.1 MAINFRAME

Items	Specifications
Configuration:	Desktop
Scanning element:	One-dimensional solid-state scanning through CCD A CIS (S21) is also used for scanning the back side of the ADF
Printing process:	Dry Electrostatic transfer system with dual component development; 4-drum method
Development:	Dry two-component magnetic brush development system
Resolution:	<p><b>Scan:</b></p> <ul style="list-style-type: none"> <li>Exposure glass: 600 x 600 dpi</li> <li>ADF: 600 x 300 dpi (front), 600 x 600 dpi (front), 300 x 600 dpi (back), 600 x 600 dpi (back)</li> </ul> <p><b>Print:</b></p> <ul style="list-style-type: none"> <li>Copy: 600 x 600 dpi</li> <li>Printer: 1,200 x 1,200 dpi (1 bit), 600 x 600 dpi (4/2/1 bit)</li> </ul>
Fusing:	New QSU fusing technology (DH fixing system)
Original type:	Sheets, book, three-dimensional object
Maximum original size:	A4 (8.5" x 14 ")
Copy Speed (IM C300 series): (A4 SEF/LT SEF(60-105 g/m <sup>2</sup> ))	30cpm (A4)/31 cpm (LT)
⇒ Copy Speed (IM C400 series): (A4 SEF/LT SEF(60-81 g/m <sup>2</sup> ))	<p><b>IM C400F:</b></p> <ul style="list-style-type: none"> <li>B&amp;W 43 cpm (A4), 45 cpm (LT)</li> <li>40 cpm (A4), 42 cpm (LT)</li> </ul> <p><b>IM C400SRF:</b></p> <ul style="list-style-type: none"> <li>B&amp;W, One-sided printing: 43 cpm (A4), 45cpm (LT)</li> <li>Full Color, One-sided printing: 40 cpm (A4), 42cpm (LT)</li> <li>B&amp;W, 2-sided printing: 40 cpm (A4), 42cpm (LT)</li> <li>Full Color, 2-sided printing: 38 cpm (A4), 38cpm (LT)</li> </ul>
First copy time: (A4 SEF /LT SEF, 1st tray 1, exposure glass)	<p><b>IM C300 series:</b></p> <ul style="list-style-type: none"> <li>Full Color: 8.6 seconds</li> <li>B&amp;W: 7.2 seconds</li> </ul> <p><b>IM C400F:</b></p> <ul style="list-style-type: none"> <li>Full Color: 7.4 seconds</li> </ul>

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	<ul style="list-style-type: none"> <li>B&amp;W: 6.2 seconds</li> </ul> <p><b>IM C400SRF:</b></p> <ul style="list-style-type: none"> <li>Full Color: 7.9 seconds</li> <li>B&amp;W: 6.7 seconds</li> </ul>
<p>Warm-up time: (23°C (73.4°F), rated voltage)</p>	<p><b>IM C300 series:</b></p> <ul style="list-style-type: none"> <li>Normal mode: 48 seconds</li> <li>Quick mode: 19 seconds</li> </ul> <p><b>IM C400 series:</b></p> <ul style="list-style-type: none"> <li>Normal mode: 48 seconds</li> <li>Quick mode: 17 seconds</li> </ul>
<p>Print paper capacity: (Standard tray/Optional tray: 60–163 g/m<sup>2</sup>, 16 lb. Bond–90 lb. Index) (Bypass tray: 60–220 g/m<sup>2</sup> (16 lb. Bond–80 lb. Cover)) (Plain Paper 1)</p>	<p><b>IM C300 series:</b> Standard tray: 250 sheets Bypass tray: 100 sheets Optional tray: 550 sheets</p> <p><b>IM C400 series:</b> Standard tray: 550 sheets Bypass tray: 100 sheets Optional tray: 550 sheets</p>
<p>Print paper size:</p>	<p>Standard tray: A4 SEF / LT SEF to A5 SEF Bypass tray: A4 / LG to A6 SEF / Envelope Optional tray: A4 SEF / LG SEF to A5 SEF For details, see <b>Supported Paper Sizes</b></p>
<p>Printing paper weight:</p>	<p>Standard tray: 60-163 g/m<sup>2</sup> (16-90 lb.) Bypass tray: 60-220 g/m<sup>2</sup> (16-80 lb) Optional tray: 60-163 g/m<sup>2</sup> (16-90 lb.) Duplex: 60-163 g/m<sup>2</sup> (16-90 lb.)</p>
<p>Output paper capacity:</p>	<p>Paper exit tray: 100 sheets 1-bin tray: 100 sheets Internal Finisher: 250 sheets</p>
<p>Continuous copy:</p>	<p>Up to 999 sheets</p>
<p>Memory:</p>	<p>2GB</p>
<p>Hard disk:</p>	<p>320GB</p>
<p>CPU:</p>	<p>Intel® Atom Processor ApolloLake 1.3GHz</p>
<p>Zoom:</p>	<p>Arbitrary: From 25 to 400% (1% step)</p>
	<p>Fixed: <b>North America</b> 65%, 78%, 93%, 100%, 129%, 155%</p>

Items	Specifications
	<p><b>Europe/Asia</b> 50%, 71%, 93%, 100%, 141%, 200%</p>
Power source:	<p><b>North America</b></p> <ul style="list-style-type: none"> <li>• <b>IM C300F</b> 120–127 V, 10 A, 60 Hz</li> <li>• <b>IM C400 series</b> 120–127 V, 12 A, 60 Hz</li> </ul> <p><b>EU/Asia</b></p> <ul style="list-style-type: none"> <li>• <b>IM C300 series</b> 220–240 V, 5 A, 50/60 Hz</li> <li>• <b>IM C400 series</b> 220–240 V, 7 A, 50/60 Hz</li> </ul> <p><b>Taiwan</b></p> <ul style="list-style-type: none"> <li>• <b>IM C300F</b> 110 V, 10 A, 60 Hz</li> </ul>
Power consumption:	<p><b>North America</b></p> <ul style="list-style-type: none"> <li>• <b>IM C300 series</b> Maximum: 1,300 W</li> <li>• <b>IM C400 series</b> Maximum: 1,400 W</li> </ul> <p><b>EU</b></p> <ul style="list-style-type: none"> <li>• <b>IM C300 series</b> Maximum: 1,200 W</li> <li>• <b>IM C400 series</b> Maximum: 1,350 W</li> </ul> <p><b>Asia</b></p> <ul style="list-style-type: none"> <li>• <b>IM C300 series</b> Maximum: 1,200 W</li> <li>• <b>IM C400 series</b> Maximum: 1,350 W</li> </ul> <p>* The complete system consists of the main unit, three paper tray units, and 1-bin tray unit.</p>
Energy saver:	<p>Reduced electrical consumption:</p> <p><b>North America</b></p> <ul style="list-style-type: none"> <li>• <b>IM C300F</b> 0.65W</li> <li>• <b>IM C400F</b> 0.65W</li> </ul>

## Specifications

Items	Specifications
	<ul style="list-style-type: none"> <li>• <b>IM C400SRF</b> 0.65W</li> </ul> <p><b>EU</b></p> <ul style="list-style-type: none"> <li>• <b>IM C300</b> 0.65W</li> <li>• <b>IM C300F</b> 0.66W</li> <li>• <b>IM C400F</b> 0.65W</li> <li>• <b>IM C400SRF</b> 0.65W</li> </ul> <p><b>Asia</b></p> <ul style="list-style-type: none"> <li>• <b>IM C300</b> 0.65W</li> <li>• <b>IM C300F</b> 0.66W</li> <li>• <b>IM C400F</b> 0.65W</li> </ul>
Noise emission:	<p><b>Sound power level with full system</b></p> <ul style="list-style-type: none"> <li>• <b>IM C300 series</b> Stand-by: 31.3 dB (A) Copying: B&amp;W: 68.1 dB (A) / Color: 68.4 dB (A)</li> <li>• <b>IM C400F</b> Stand-by: 31.3 dB (A) Copying: B&amp;W: 71.6 dB (A) / Color: 70.2 dB (A)</li> <li>• <b>IM C400SRF</b> Stand-by: 31.2 dB (A) Copying: B&amp;W: 71.7 dB (A) / Color: 71.1 dB (A)</li> </ul> <p><b>Sound pressure level with full system</b></p> <ul style="list-style-type: none"> <li>• <b>IM C300 series</b> Stand-by: 21.2 dB (A) Copying: B&amp;W: 55.0 dB (A) / Color: 55.2 dB (A)</li> <li>• <b>IM C400F</b> Stand-by: 21.9 dB (A) Copying: B&amp;W: 59.9 dB (A) / Color: 57.1 dB (A)</li> <li>• <b>IM C400SRF</b> Stand-by: 19.9 dB (A) Copying: B&amp;W: 58.6 dB (A) / Color: 58.0 dB (A)</li> </ul>

Items	Specifications
	<p>Sound power level and sound pressure level are actual values measured in accordance with ISO 7779.</p> <p>Sound pressure level is measured from the position of the bystander.</p> <p>The full system consists of the main unit, 1-bin unit and two paper tray units.</p> <p>*The complete system of the IM C300 series/C400F consists of the main unit, three paper tray units, and 1-bin tray unit .</p> <p>*The complete system of the IM C400SRF consists of the main unit and three paper tray units.</p>
Dimensions (W x D x H up to ADF):	<ul style="list-style-type: none"> <li>• <b>IM C300 series</b> 498 x 561 x 510 mm (19.6" x 22.1" x 20.1")</li> <li>• <b>IM C400F</b> 498 x 561 x 590 mm (19.6" x 22.1" x 23.2")</li> <li>• <b>IM C400SRF</b> 615 x 561 x 706 mm (24.2" x 22.1" x 27.8")</li> </ul>
Weight:	<ul style="list-style-type: none"> <li>• <b>IM C300 series</b> 48 kg (105.8 lb.)</li> <li>• <b>IM C400F</b> 50 kg (110.2 lb.)</li> <li>• <b>IM C400SRF</b> 60 kg (132.3 lb.)</li> </ul>

## 1.1.2 PRINTER

Items	Specifications
Printer languages:	Standard: P JL, PCL 5c/6, PostScript 3 Emulation, PDF Emulation, MediaPrint(JPEG, TIFF) Option: Genuine Adobe PostScript 3/PDF, PictBridge, XPS
Resolution:	200 dpi, 300 dpi, 400 dpi, 600 dpi, 1200 dpi
Resident fonts:	PostScript 3/PDF Emulation, PCL 5c/6: 93 fonts Genuine Adobe PostScript 3/PDF: 136 fonts
Host interfaces:	<b>Standard:</b> Ethernet (10BASE-T/100BASE-TX/1000BASE-T) USB2.0 (Type B) port USB2.0 (Type A) port (on the control panel) SD card slot (on the control panel) <b>Option:</b>  IEEE 1284 parallel interface IEEE 802.11a/b/g/n wireless LAN interface File format converter Device Server option
Network protocols:	TCP/IP (IPv4, IPv6)

### 1.1.3 SCANNER

Items	Specifications
Scanning method:	Full-color scanner/Flatbed scanning
Scanning resolution:	200 dpi <b>TWAIN Mode:</b> <ul style="list-style-type: none"> <li>Exposure glass: 100 to 1200 dpi</li> <li>ADF: 100 to 600 dpi</li> </ul> <b>WIA Mode:</b> <ul style="list-style-type: none"> <li>100 to 1200 dpi</li> </ul>
Grayscales:	Black & White: 2 tones Full Color/Gray Scale: 256 tones
Scanning Throughput:	<b>B&amp;W, Color:</b> Simplex: 40 pages/minute (200 dpi) Duplex: 80 pages/minute (200 dpi) (A4/ 8 <sup>1</sup> / <sub>2</sub> x 11 SEF)
Network interface:	<b>Standard:</b> Ethernet (10BASE-T/100BASE-TX/1000BASE-T) USB 2.0 (Type A) port (on the control panel) SD card slot (on the control panel) <b>Option:</b> IEEE 802.11a/b/g/n wireless LAN interface
Compression method:	B&W: TIFF (MH, MR, MMR, JBIG2) Gray Scale, Full Color: JPEG

### 1.1.4 ADF

Items	Specifications
Original size:	A4 SEF to A6 SEF, 8 <sup>1</sup> / <sub>2</sub> x 14 SEF to 5 <sup>1</sup> / <sub>2</sub> x 8 <sup>1</sup> / <sub>2</sub>
Original weight:	52 to 128 g/m <sup>2</sup> (14 to 34 lb. Bond)
Table capacity:	50 sheets (80 g/m <sup>2</sup> , 20 lb. Bond)
Separation:	Friction pad
Original transport:	Roller transport
Original feed order:	From the top original
Power source:	DC 24V, 5V from the main unit.

## 1.2 SUPPORTED PAPER SIZES

### 1.2.1 PAPER FEED

Paper	Size	Main Tray	Paper Feed Unit	Bypass Tray
A4 SEF	210 x 297 mm	✓	✓	✓
A5 SEF	148 x 210 mm	✓	✓	✓
A5 LEF	210 x 148 mm	-	-	✓
A6 SEF	105 x 148 mm	-	-	✓
B5 SEF	182 x 257 mm	✓	✓	✓
B6 SEF	128 x 182 mm	-	-	✓
Legal SEF	8.5 x 14 inch	-	✓	✓
Foolscap SEF	8.5 x 13 inch	-	✓	✓
Letter SEF	8.5 x 11 inch	✓	✓	✓
GovernmentLG SEF	8.25 x 14 inch	-	✓	✓
Folio SEF	8.25 x 13 inch	-	✓	✓
F/GL SEF	8 x 13 inch	-	✓	✓
Eng Quatro SEF	8 x 10 inch	-		✓
Executive SEF	7.25 x 10.5 inch	-	✓	✓
Half Letter SEF	5.5 x 8.5 inch	✓	✓	✓
Half Letter LEF	8.5 x 5.5 inch	-	-	✓
Com10 Env. SEF	4.125 x 9.5 inch	-	-	✓
Monarch Env. SEF	3.875 x 7.5 inch	-	-	✓
C5 Env. SEF	162 x 229 mm	-	-	✓
C6 Env. SEF	114 x 162 mm	-	-	✓
DL Env. SEF	110 x 220 mm	-	-	✓
16K SEF	195 x 267 mm	-	-	✓
8.5 × 12 SEF	8.5 x 12 inch	-	✓	✓
8 1/2 × 13 2/5 SEF	8.5 x 13.4 inch	-	✓	✓

#### Custom:

-	Main Tray	Paper Feed Unit	Bypass Tray
Width	139.5 - 216.0 mm 5.50 - 8.50 inch	139.5 - 216.0 mm 5.50 - 8.50 inch	76.2 - 216.0 mm 3.00 - 8.50 inch
Length	210.0 - 297.0 mm 8.27 - 11.69 inch	210.0 - 356.6 mm 8.27 - 14.03 inch	139.0 - 600.0 mm 5.48 - 23.62 inch

#### Remarks

✓ : Supported