





#### NEW LEVELS OF QUALITY AND PRODUCTION IN COLOUR PRODUCTION



# COLOUR MITHOUT COMPROMISE TSYOURS

Colour consistency means compromising on productivity, right? Not anymore. The latest imagePRESS features Auto Correct Colour Tone (ACCT) for multidimensional mixed colour calibration.

This allows colour adjustments to be made on a wider range – keeping the colour consistency, accuracy and quality all at the highest possible level.

What's more, AGA (Auto Gradation Adjustment – the C850/750/C650's easy-to-use colour calibration tool) reduces your calibration times, assuring perfect colour correction for even-more-guaranteed consistency on images and text.

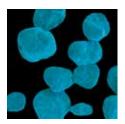
#### **HIGH QUALITY FOR ALL PRINTS**

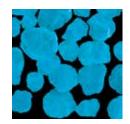
#### **CONSISTENTLY VIVID (CV) TONER FOR COLOUR**

**CONSISTENCY** CV toner is Canon's newly developed toner, which delivers higher quality print combined with high speeds of up to 85 ppm. The new para-shell structure, ultra-fine toner particles and the toner's smooth surface, it's improved toner transfer efficiency for enhanced colour consistency and accuracy across a wide variety of media, including embossed and rough paper surfaces for custom and premium applications.

The efficient toner transfer reduces toner wastage, energy consumption and paper deformation. CV toner features a broad colour spectrum for rich and vivid colours that will produce high quality marketing materials and the right colour on all your corporate documents. It has a gloss optimisation technology allowing a high gloss finish on coated media and a matt finish on plain/low gloss media.

The enhanced developer unit is designed to cool the internal temperature and maintain high quality image in heavy duty environments. All these new features mean delighted customers willing to grow their business together with yours.





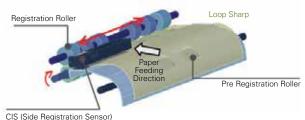
**V** Toner

**New CV Toner** 

#### COMPACT REGISTRATION TECHNOLOGY (CRT)

Compact and highly accurate registration technology assures best-in-class results whether printing 1 sheet or thousands. The CRT combines digital sensors together with registration rollers to ensure that every single sheet is correctly positioned during print runs and that the image is placed in the same location on every sheet, for the highest quality results every time. This new technology also provides full control of the registration process, allowing you to satisfy the needs of even your most demanding customers.

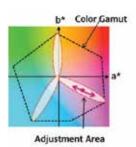
#### COMPACT & HIGH ACCURATE REGISTRATION MODULE

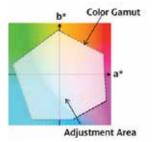


Skew and side registration correction mechanism

**ENHANCED COLOUR CALIBRATION** Auto Correct Color Tone (ACCT) is the technology to get mixed colour back to initial condition based on values that are registered in the first ACCT at installation executed by service technician. For the first time in a Canon light production device, multidimensional mixed colour calibration (rather than CMYK single colour calibration). As the previous Auto Gradation Adjustment (AGA) focuses correcting single colours.

Auto Correct Color Tone can cover other colours that are not corrected by Auto Gradation Adjustment. A Special chart to be measured by reader is prepared for ACCT. This allows to make colour adjustment with a wider colour gamut that printer can reproduce.





Auto Gradiation Adjustment (AGA)

Auto Correct Color Tone (ACCT)

VIBRANT IMAGES The imagePRESS C850 series feature a 32 beam Vertical Cavity Surface Emitting (VCSEL) laser unit with multi-exposure technology that achieves an exceptional 2,400 x 2,400 dpi resolution - enabling even higher precision in the printing of text and images, while supporting high productivity. Image distortion compensation improves digital scale up and down so operators can easily adjust and correct images, including fan correction.

This new technology also allows operators to choose from a selection of the most versatile screen patterns available. They can select either new dot-screen patterns for optimised quality closer to offset or line-based patters for even a larger choice.

These screen patterns can optimise the quality of any print application and, as a result, deliver the most stunning images that your customers will love and pay a premium for high-value applications.

BETTER HANDLING OF TEXTURE MEDIAS







imagePress C850/C750/C650

#### **MAXIMUM PRODUCTIVITY**

#### **IMPRESSIVE PRODUCTION SPEEDS**

The Advanced Twin Belt Fusing unit is high production speeds of up to 80 ppm are possible on a wide range of media. The imagePRESS C850/C750/C650 is capable of running at maximum speed on heavy stock up to 220gsm and on uncoated stocks it offers exceptional production speeds. It achieves this outstanding productivity thanks to the innovative Induction heating technologies that heat up the fusing belt quickly and efficiently and the improved belt cooling system. The imagePRESS doesn't sacrifice quality for productivity and these impressive speeds will increase the productivity of your print room and allow you to meet your customer's demand, increase customer loyalty and grow your business.

#### **AUTO DUPLEX SUPPORT**

Duplex printing is in high-demand amongst print professionals as this opens up revenue opportunities, especially for heavyweight stocks. With a compact and efficient path design, the imagePRESS C850/C750/C650 lets you quickly and effortlessly produce duplex print jobs on heavy weight media up to 300 gsm, with highly accurate front to back registration. Thanks to this technology, the imagePRESS C850/C750/C650 delivers a better performance and gives you the opportunity to handle more demanding jobs without manual intervention and impact on your print room productivity.

#### VERSATILE MEDIA HANDLING

#### WIDE RANGE OF APPLICATIONS

The most outstanding and eye-catching applications depend on the creativity and the material used for the job, which includes a mix of different subtrate. The imagePRESS C850/C750/C650 has been designed to provide you with outstanding performance and impressive media handling. The Elastic Intermediate Transfer Belt – which increases toner transfer efficiency, including on textured or recycled paper – the imagePRESS C850/C750/C650 can handle heavyweight stocks and produce extensive applications ranging from leaflets to the highest-quality brochures and other marketing communications that will give you and your customer the return on investment desired.

#### ADVANCED FEEDING TECHNOLOGY

The imagePRESS C850/C750/C650 features a new multi-drawer paper deck with enhanced air separation technology and optimum roller pressure, which handles a wide variety of media and prevents multi feeds even of coated stock. This new piece of technology can blow air at different speeds based on the type of paper and weight, virtually eliminating paper jams and significantly increasing your print room's efficiency and productivity.





The innovative imagePRESS C850/C750/C650 has been designed to meet the all the challenges of the colour production market. Ideal for busy CRD and GA environments, the imagePRESS C850/C750/C650 combines exceptional image quality with powerful productivity and offers the versatility to create extensive and innovative applications across a wide range of media, including heavyweight coated stocks and envelopes.

It can flexibly handle everything from short runs to complex variable data printing for personalised print communications – all within a small but scalable footprint. And with extended finishing capabilities and fast turnarounds it's the perfect choice to help you meet every print challenge. Plus it offers an excellent return on investment – bringing time and cost savings to demanding CRDs and revenue generating opportunities to Graphic Arts environments.



## HEAVY MEDIA

**Different customers want different things.** And with the imagePRESS C850/C750/C650, you can make sure they get what they want – right across a wide range of applications and substrates.

The imagePRESS C850/C750/C650's Elastic Image Transfer Belt (an additional elastic layer on top of the base belt material) delivers the best results in its class – even with challenging media such as heavy-structured media.

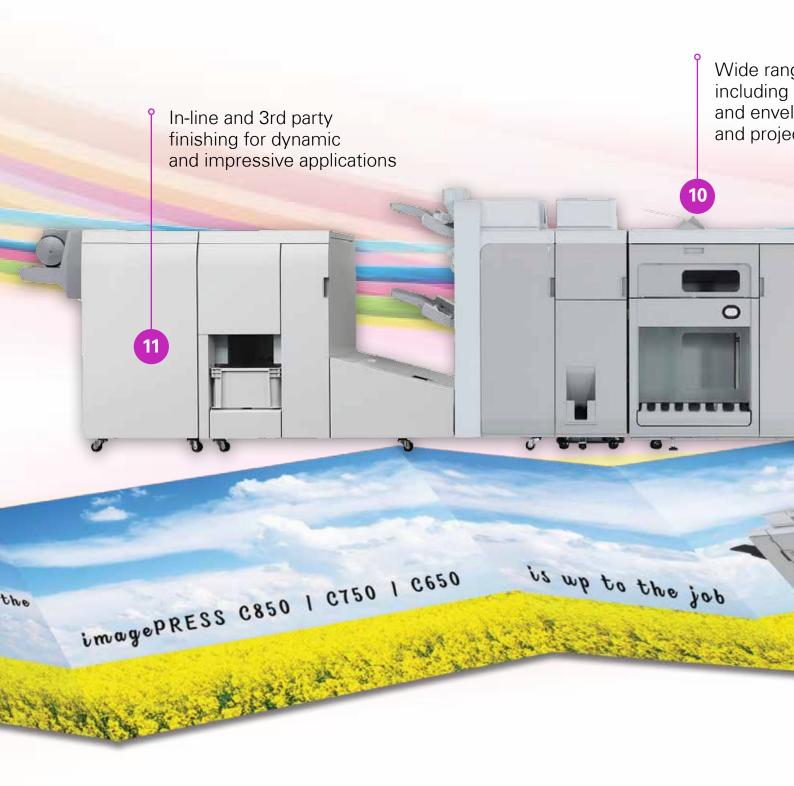
So whether you're printing leaflets or standard-sized envelopes, high-quality brochures or long sheet, 762mm auto-duplex banners – the imagePRESS C850/C750/C650 is up to the job.

# LIGHT VVORK

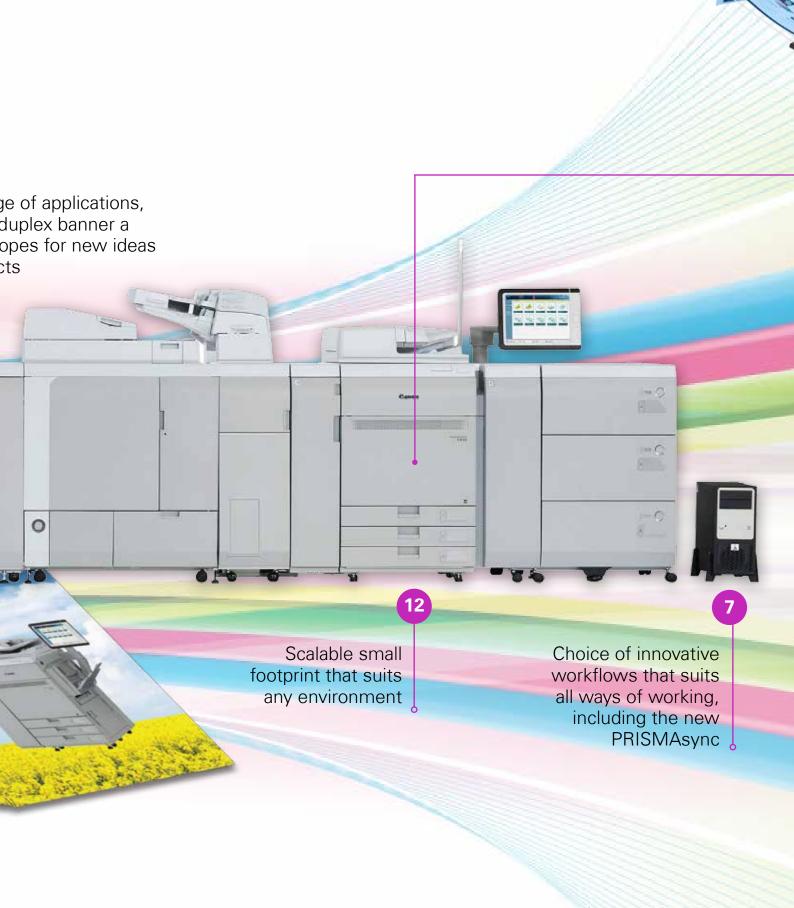
762 mm auto-duplex banners

# SEETHE DIFFER TAKE A LOOK

HIGHLIGHTS OF THE imagePRESS C850/750/650



# ENCE





- R-VCSEL technology provides clear, crisp 2,400 x 2,400 dpi output at high speeds
- 3 190 lpi dot-screen pattern for offset-like prints
- Compact Registration Technology (CRT) one of the best one in its class
- Advanced Twin Belt Fusing unit for the highest productivity, including mixed-media up to 85ppm
- Enhanced colour calibration & Multi D.A.T. II for consistency and accuracy, from the first to the last print, even on long runs
- Elastic Image Transfer Belt for versatile media handling, including heavy-structured media
- Exceptional uptime to achieve maximum print room performance

### SERVER SPECIFICATIONS

|   | Basic Configuration                      | imagePRESS Server<br>H300   | imagePRESS Server<br>G100 V1.2  | PRISMAsync<br>iPR C850 Series A-1  |
|---|--|---|---|--|
| Ī | Server Type                              | External  | Embedded  | External   |
|   | Processor                                | Intel® Core™ i5-4570S 2.9 GHz<br>up to 3.6 GHz w/Turbo  | Intel® Pentium®<br>G850 2.9GHz  | Intel® Core™ i5-4570S 2.9 GHz<br>up to 3.6 GHz w/Turbo   |
|   | Memory                                   | 2 x 2GB DDR-3   | 1 x 2GB   | 1 x 8GB DDR-3  |
|   | Hard Disk Drive                          | 1TB, 2.5 inch   | 500GB   | 2 x 500GB  |
|   | Resolution                               | 1,200 x 1,200dpi,<br>600 x 600dpi   |   | PS / PDF: 600 x 600dpi or<br>1,200 x 1,200dpi,<br>transactional PCL: 600 x 600dpi,<br>transactional IPDS: 600 x 600dpi   |
|   | Network Interface                        | DVI connector<br>Ethernet 1000 Base-T<br>/ 100 Base-TX / 10 Base-T  | DSUB 15pin connector<br>Ethernet 1000 Base-T<br>/ 100 Base-TX / 10 Base-T   | DVI connector<br>Ethernet (10 / 100 / 1000 Base-T),<br>USB for files via operator panel  |
|   | Network Protocol                         | TCP/IP, AppleTalk (only support font downloader), Bonjour, SNMP, IPP, FTP, SMB, IPv6, WSD (minimum support to achieve WHQL certification) | TCP/IP, AppleTalk (only support font downloader), Bonjour, SNMP, IPP, FTP, SMB, IPv6, WSD (minimum support to achieve WHQL certification) | TCP/IP, including static / auto IP (DHCP),SNMP v1/ v2c/ v3, Host resources MIB, System group MIB II, Printer MIB. Job Monitor MIB submission via Ipr, hotfolders, socket, SMB, IPP, JDF/JMF (via adapter). |
|   | Standard / Optional                      | imagePRESS Server<br>H300   | imagePRESS Server<br>G100 V1.2  | PRISMAsync<br>iPR C850 Series A-1  |
|   | Fiery System                             | Fiery System 200  | Fiery System 150  | PRISMAsync Mark V  |
|   | Graphic Arts<br>Feature Set V2.0         | Included  | Included  |  |
|   | SeeQuence Suite /<br>Impose / Compose    | Optional  |   |  |
|   | Graphic Arts Package,<br>Premium Edition | Optional  | Optional  |  |
|   | Removable HDD Kit-B1                     |   |   |  |



|  | CATIONS   |
|--|---|
| Technology                                   | Colour Laser Beam Printing                                    |
| Resolution                                   | Up to 2400dpi x 2400dpi                                       |
| Colour Gradations                            | 256 per colour  |
| Registration Tolerance                       | Front to Back: 1.0mm or less                                  |
| Print Speed                                  | C850- up to 85pp/min  |
| Till Opoca                                   | C650- up to 65pp/min  |
| Paper Size                                   | 13" x 19.2", SRA3, 12" x 18", 11" x 17", LGL, LTR, LTRR, EXEC |
| rapei size                                   |   |
|  | Irregular Size (182mm x 182mm to 330.2mm x 487.7mm)           |
| Paper Weight                                 | 52 to 300g/m <sup>2</sup>                                     |
| Paper Capacity Standard                      | 3 x 550-sheet cassettes (52-220 g/m²)                         |
| Option                                       | 100-sheet multi-purpose tray (80 g/m²)                        |
| POD Deck Lite-C1                             | 1 x 3500 sheets side paper deck (A4/A3/SRA3)                  |
| Multi-drawer Paper Deck C1                   | 1 x 6,000 sheets  |
|  | (3 x 2,000 sheets - A4/A3/SRA3)                               |
| Max Paper Input Capacity                     | 7,650 sheets (A4/A3)  |
| Max Paper Output Capacity                    | 11,200 sheets (A4/A3)   |
| Supported Media Types Cassettes              | Thin paper, Plain paper, Recycled paper, Colour paper,        |
| Supported Media Types Cussettes              |   |
|  | Heavy paper, Pre-punched paper, Bond, Letterhead,             |
| NA 102                                       | Tab paper* Transparency, Envelopes**                          |
| Multi-purpose tray                           | Thin paper, Plain paper, Recycled paper, Colour paper,        |
|  | Heavy paper, Coated paper, Pre-punched paper, Tab             |
|  | paper, Bond, Transparency, Label, Envelopes, Letterhead       |
| Optional Paper Deck                          | Thin paper, Plain paper, Recycled paper, Colour paper,        |
|  | Heavy paper, Pre-punched paper, Coated paper,                 |
|  | Textured, Bond, Transparency, Label, Letterhead,              |
|  | Tab paper***, Envelopes                                       |
| Supported media sizes                        | Paper cassette 1, 2 & 3                                       |
| Standard size                                | A4, A4R, A5R, A3, SRA3, 13"x19" (330 x 483 mm)                |
| Free size                                    |   |
| Free Size                                    | 100 mm x 148 mm to 330.2 mm x 487.7 mm                        |
|  | Multi-purpose tray  |
| Standard size                                | A4, A4R, A5R, A3, SRA3, 13"x19" (330 x 483 mm)                |
| Free size                                    | 100 x 148 mm to 330.2 x 487.7 mm                              |
| Envelopes                                    | No.10 (COM10), Monarch, ISO-C5, DL                            |
| Supported media weights Cassettes            | 52 to 220 g/m <sup>2</sup>                                    |
| Multi-purpose tray/                          |   |
| Optional Paper deck                          | 52 to 300 g/m <sup>2</sup>                                    |
| Duplex                                       | 52 to 300 g/m <sup>2</sup>                                    |
| Warm Up Time                                 | Approximately 360 seconds                                     |
| Interface type                               | USB 2.0 Hi-speed  |
|  |   |
| Ethernet                                     | 1000 BaseT/100Base -TX/10Base-T                               |
| Standard                                     | 2 x USB Host  |
| Network protocols                            | TCP/IP <sup>+</sup> (LPD/Port 9100/WSD/IPP/IPPS/SMB/ FTP),    |
|  | IPX/SPX (NDS, Bindery), AppleTalk                             |
| Processor speed                              | 1.66 GHz (SOC ARM 1136JF-S 400 MHz ARM 946 200 MHz            |
| Memory                                       | 1.5GB (SOC 2GB)   |
| Hard Disk Drive Standard                     | 1TB Hard Disk Drive   |
| Control panel EFI/Canon PS/PCL               | Upright Control Panel G1: 26.4 cm (10.4 inch) TFT SVGA        |
| 2. 700                                       | LED Backlight Colour Uplight Touchscreen                      |
| PRISMAsync                                   | Operating Panel-A4: 15 inch touch panel screen                |
|  |   |
|  | 1,952 mm" x 934 mm x 1,424 mm""                               |
| Min Installation space                       | 1,952mm (W) x 1,624mm (D)                                     |
| Weight                                       | Approx 316kg *includes ADF                                    |
| Operating environment                        | Temperature- 20 to 27°C (50 to 86°F)                          |
|  | Humidity- 15 to 60 % RH (no condensation)                     |
| Power Source                                 | 220-240 V (±10 %), 50/60 Hz (±2 Hz), 13AMP x 2                |
| Power Supply Consumption Max                 | Approx 1,560W (at power supply) or less + 2,500W              |
|  | (at fusing unit) or less                                      |
| Standby                                      | Approx. 1.0Wh or less   |
| Sleep mode                                   | Approx. 1.5Wh or less   |
|  | •                       |
| •  | Q Qlaub in imaga DRECC COEN/C7EN DEnna /7E                    |
| Typical Electricity Consumption rating       | 9.9kwh in imagePRESS C850/C750 85ppm/75ppm                    |
| Typical Electricity Consumption rating (TEC) | 8.9kwh in imagePRESS C650 65ppm                               |
| Typical Electricity Consumption rating       |   |

|   | Requires | Envelope feeding attachment |  |
|---|----------|-----------------------------|--|
| ŧ | Requires | Multi Drawer Paper Deck C1  |  |

\* Requires Tab feeding attachment
\*\* Requires Envelope feeding

IPv4/IPv6 support Includes Operator Panel and Output tray option Includes Operator Panel Height to ADF is 1,222.2mm

#### FINISHER W1 / BOOKLET FINISHER W1 [PRO SERIES] Upper Tray 1.000 sheets Tray Capacity

4.000 sheets Lower Tray Saddle Stitch Tray 30 Booklets or Limitless Staple Positions Corner, Double Paper Weight 52 to 300 gsm [Cover] Executive, Letter-R, Letter, Legal, 11" x 17" Paper Size Stapling Saddle Finisher Up to 100 Sheets Staple Capacity Booklet Stapling Capacity Uncoated: Up to 25 Sheets Coated: Up to 15 Sheets

Dimensions Weight

 $(W \times D \times H)$ 

Letter-R, Legal, 11" x 17", 12" x 18", 13" x 19", Custom Size V Folding: Up to 5 Sheets without Stitch

W1 & W2: 800 mm x 792 mm x 1,239 mm

W1 - Approx. 130 kg W2 - Approx. 180kg

#### FINISHER - T1/SADDLE FINISHER - T1 [ Light series for iPRC750 & C650 only ]

Tray Capacity Upper Tray 1,000 sheets 2,000 sheets Lower Tray Saddle Stitch Tray 30 Booklets or Limitless Staple Positions Corner, Double 52 to 300 gsm [Cover] Paper Weight Letter-R, Legal, 11" x 17", 12" x 18", 13" x 19", Custom Size Saddle Finisher Paper Size

Staple Finisher Executive, Letter-R, Letter, Legal, 11" x 17" Staple Capacity Up to 50 Sheets **Booklet Stapling Capacity** Uncoated: Up to 16 Sheets Coated: Up to 5 Sheets

V Folding: Up to 5 Sheets without Stitch  $(W \times D \times H)$ 800 mm x 792 mm x 1,239 mm Dimensions Approx. 130 kg / Approx. 180kg Weight

#### **BOOKLET TRIMMER F1** Requires Booklet Finisher

Trim Width Trim Thickness Acceptable Paper Weight (WxDxH) Dimensions

2-20mm Up to 50 sheets (includes Cover) 52 to 300g/m<sup>2</sup> 1,575mm x 770mm x 1,040mm Approx 152 kg

#### TWO-KNIFE BOOLET TRIMMER A1 Requires Booklet Trimme

Trim Width 2-15 mm Up to 50 sheets (includes Cover) Acceptable Paper Weight 52 to 300g/m<sup>2</sup> 536 mm x 770 mm x 1,040 mm Dimensions (WxDxH) Weight Approx 145 kg

#### **DUPLEX COLOR IMAGE READER-K1**

Image Sensor Document Size Statement to 11" x 17 Resolution 600 x 600 dpi, 256 Gradations 300 dpi 200 600 dpi 120 Scan Speed BW (duplex) 140 70 Color (duplex)

#### PUNCH UNIT BT1/BU1 Requires Booklet Finisher W1 or Finisher W1

2 holes and 4 holes (FRN) selectable, Punch Hole type BT1 2 Holes (SWe) 52-300 g/m<sup>2</sup> A3, A4, A4R, Free size (182 x 182 to 297 x 432.0 mm) A3, A4, Custom size, Free size (257 x 182 to 297 x 432 mm) BU1 Acceptable Punch Paper Weight Acceptable Punch Paper Size 2 holes 4 holes Weiaht Approx 7.7 kg

#### **DOCUMENT INSERTION UNIT N1**

Number of trays 2 trays A3, A4, A4R, SRA3, 13"x19", Free size (182 x 182 mm to 330.2 x 487.7 mm) Paper size Paper Weight Paper Capacity 52 to 300 g/m<sup>2</sup> 200 sheets x 2 trays (80 g/m<sup>2</sup>) 336 mm (746mm including Tray) x 793 mm x 1407 mm Dimensions  $(W \times D \times H)$ Weight 61 kg

#### **HIGH CAPACITY STACKER H1**

A3, A4, A4R, A5R, SRA3, 13"x19", Free size (140 x 182 mm to 330.2 x 4877 mm) Paper Size Paper Weight 52 to 300 g/m<sup>2</sup> Output Capacity Stack tray 6,000 sheets (80 gsm) in two stacks of 3,000 sheets each

200 sheets 899 mm x 792 mm x 1,040 mm TopTray (W x D x H) **Dimensions** Weight Approx. 120 kg

#### **PAPER FOLDING UNIT J1**

52 to 105 g/m<sup>2</sup> 52 to 105 g/m<sup>2</sup> 7-Fold A3. A4R C-Fold A4R Accordion Z-fold Double parallel 52 to 105 g/m A4R 52 to 90 g/m 52 to 105 g/m<sup>2</sup> Half fold A4R C-Fold and Accordion Z-fold: 40 sheets, Double parallel: 25 sheets 336 mm × 793 mm × 1190 mm Approx. 71 kg Output Capacity Dimensions  $(W \times D \times H)$ 

Paper size

Paper weight

#### **PERFECT BINDER E1**

Weight

Booklet size Width 203 to 297 mm 138 to 216 mm Up to 25 mm Length Booklet thickness Top/bottom **Cutting Range** 6.5 to 39.5 mm at each edge 6.5 to 49.5 mm Foredge 10 to 200 sheets (75 g/m²), plus Cover Width: 257 to 320 mm, Length: 182 to 228.6 mm Body pages Number of sheets Sizes 60 to 163 g/m $^2$ \* (\*106 to 163 g/m $^2$ : up to 10 sheets as inserted paper) Paper weight Cover Number of sheets 1 sheet Width: 257 to 330.2 mm, Length: 364.0 to 487.7 mm Sizes 91 to 300 g/m<sup>2</sup> Approx.127 mm or total approx. 1,000 sheets of Paper weight Tray capacity paper as a total 922 x 791 x 1,300 mm 306 kg 240V, 2.6A **Dimensions** Weight Approx Power

#### **eMAINTENANCE**



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