

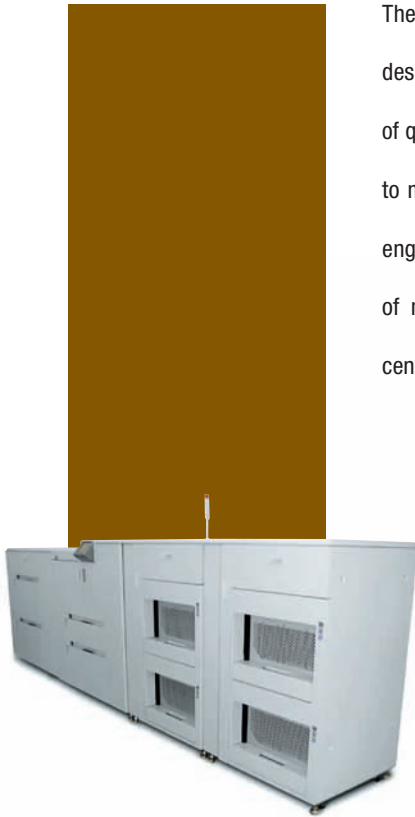
Input  
Throughput  
Output



**EMP156**  
Enhanced Monochrome Publisher

# High Volume, High Quality and High Reliability for Intensive Printing

The new EMP 156 from Ricoh is a robust monochrome printer with a compact footprint, designed to meet the most rigorous production printing requirements. It has the same high level of quality workmanship and reliability as the DDP product line and extends the printing technology to meet high volume production, around the clock. The EMP 156 has a revolutionary cutsheet engine design that incorporates advanced Ricoh paper handling technology. The ease of maintenance at operator level ensures that performance is optimal in the data centre, central reproduction department or service bureau.



## Advanced Print Drivers and Web Utilities

The Ricoh bi-directional print drivers feature a graphical user interface for maximum printer control right from your workstation. Offering PostScript® and PCL, these dynamic, feature-rich drivers enable end-to-end document production, including excellent job offset stacking. Friendly web utilities provide access to the printer through the Internet or Intranet. Status of the printer and system functions are available through an embedded web server.

*The image on these pages is not a real photograph and slight differences in detail might appear.*



Up to 4.5 million images per month

## Your Digital Document Factory

Designed for very high volume applications like print on-demand (POD) and data centre printing, the EMP 156 features an engine life of 90,000,000 images and can print up to 4.5 million pages per month. The printer also offers superior print quality due to the unique 'belt transfer system' used in the imaging mechanism. Built to last, the EMP 156 industrial strength components ensure that you get the highest quality output, page after page and year after year.

## Effective Cost Reduction

To optimise your printing infrastructure and reduce costs, several options are available. Ricoh offers solutions to help you easily migrate your mainframe or OS/400 output to production laser printers without changing your legacy applications. Convert AFP/IPDS, SCS or LCDS/Metacode to PostScript® or PCL and enhance your reports with new printing and finishing features. In addition, you may switch to easy creation and management of electronic forms to eliminate storage costs and outdated pre-printed forms.



## Network Connectivity and Performance

A powerful, high-performance Ricoh print controller supercharges the EMP 156. Based on an 800 MHz PowerPC processor with a high speed 64 bits memory architecture, the controller enables the EMP 156 to run at its full rated speed. Standard emulations include PCL5e, PCL XL and Adobe® PostScript® 3™. The Ricoh patented Virtual Printer Technology (VPT®) is also supported. This feature enables a single printer to support up to 64 print services or 'virtual printers'.

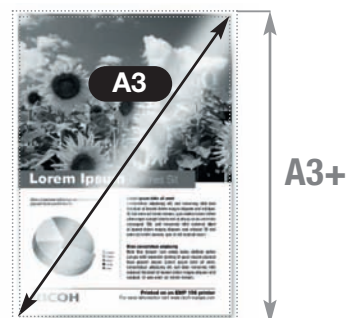


## High Volume Printing

The standard high volume Container Stackers on the EMP 156 let you print and accurately stack large volumes of paper in continuous print mode. While the printer is feeding paper to one container stacker bin the other bin can be emptied. All the standard paper sizes are supported in the Container Stackers. The EMP 156 combined with two Container Stackers allows you to run very large production jobs unattended. When you add a pair of Container Stackers to your production printer you can feed, print and stack up to 8,000 sheets without worrying about continuous operator support.

## Wide Media Range

The EMP 156 offers unprecedented media flexibility. Manual covers on heavy stock can be printed from any main body tray, allowing you to generate sophisticated, integrated documents in a single pass. Paper sizes up to 355.6 x 457.2 (SRA3) allow you to print full-bleed 297 x 420 mm/A3 layouts. In addition, the EMP 156 features an air pick mechanism for paper feeding which allows it to handle special media including coated stocks used by commercial printers. EMP 156 also has very high paper input capacity of 15,500 sheets to match its output speed.





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## Specifications



### GENERAL

Print speed (simplex & duplex):	A4/LEF: 156 ppm A3/SEF: 78 ppm
Dimensions (W x D x H):	2,169 x 1,105 x 1,350 mm
Weight:	880 kg
Power source:	200/208/220/230/240 V (4 wires: 3 phases + ground) 380/400/415 V (5 wires: 3 phases + neutral/ground) 4.6 kW (standard configuration at 230 V/400 V) 5.3 kW (full configuration at 230 V/400 V)
Duty cycle:	4,500,000 images per month

### CONTROLLER

Processor:	800 MHz PowerPC 750FX processor with 512 MB RAM, 40 GB HDD
Resolution:	600 x 600 dpi
Printer language:	PDF, TIFF, PCL5e, PCL XL Adobe® PostScript® 3™
Embedded web server:	Real-time device monitoring and configuration
Drivers:	Custom Mercury bi-directional drivers for Windows®, UNIX and Macintosh OS X

### CONNECTIVITY

Network protocol:	TCP/IP
Interface:	Ethernet 10 base-T/100 base-TX/1000 base-T

### PAPER HANDLING

Paper input capacity:	Standard: 3,500 sheets Paper tray 1: 2,500 sheets Paper tray 2: 1,000 sheets High capacity feeder (option): Tray 1: 3,000 A3 sheets Tray 2: 3,000 A3 sheets Up to two high capacity feeders can be added (4 x 3,000 sheets)
Paper output capacity:	Standard: 2 x 2,000 sheets (single Container Stacker)
Paper size:	All trays: B5 to 355.6 x 457.2 mm <sup>1</sup>
Paper weight:	Input tray: 60 - 199 g/m <sup>2</sup>

### CONSUMABLES

Toner:	54,000 images/bottle <sup>2</sup>
Developer:	720,000 images/bottle
Fine filter:	2,000,000 images
Fuser cleaning web:	600,000 images

### OPTIONS

Container Stacker:	Add a second container stacker (2 x 2,000 sheets) for production that requires offline finishing Holds A4 and A3 paper sizes up to 8,000 pages (80 g/m <sup>2</sup> ) maximum
Transit Pass Unit:	Support for online connection to 3 <sup>rd</sup> party finishing systems

- <sup>1</sup> Includes SRA3.  
<sup>2</sup> A4 with 5% coverage.

For availability of models, optional apparatus and software, please consult your local Ricoh supplier.



ISO9001: 2000 certified  
ISO14001 certified

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This product complies with EU RoHS directive (RoHS: Restriction of Hazardous Substances, effective from July 2006).

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