KONICA MINOLTA

bizhub OP: Konica Minolta's all-in-one design for enhanced multifunctional productivity, with bizhub Architecture to run all functions on one CPU and memory subsystem for improved performance, security and account management, next-generation Emperon Print System for integrated document output with simple user interface, and coming soon, bizhub Open API for custom integration with future third-party software.

35 ppm color speed
for producing high-quality brochures, presentations, reports and resource documents that make all your communications more effective – with Konica Minolta's exclusive Simitri® Color Polymerized Toner to enhance edge detail and sharpen text.

45 ppm B&W speed
to provide a true monochrome replacement for your current printer/copier – with fast first-copy output of 5.5 seconds and high-output print productivity.

Built-in print sytem to handle every document workflow need – scanning, printing, and finishing with desktop point-and-click simplicity.

User Box & security features
allow you to store and access documents, prints, copies, even faxes on the built-in 40 GB hard drive of your bizhub C450 – with User Authentication, Account Track and security enhancements to protect your information.

Fast, flexible scanning lets you "feel the power" as you bring information into your system faster – with Scan-to-Email, Scan-to-FTP, Scan-to-SMB (Scan-to-Desktop) and Scan-to-HDD.

Optional Fiery® print controller
gives your bizhub C450 sophisticated color management, color matching and graphics control capabilities for demanding professional environments.

High-speed fax option to bring together all your document input and output in one central bizhub location and eliminate extra equipment.

Built-in PageScope software
– a total suite of solutions for device management, document control, networking integration and administrative productivity.

bizhub
C450

Heavy paper stock can be loaded in all universal drawers – up to 140 lb. index, and be automatically duplexed, with the ability to print on envelopes and coated stock.

Powerful finishing options
include 60-page booklet making, stapling, hole-punching, grouping, sorting, and cover insertion.

3-way tilting control panel
with large function keys and simple touch-screen command interface for comfortable, intuitive operation.

Full Color Printer/Copier/Scanner/Fax. Spectacular, cost-effective color when you need it. Fast, workhorse B&W for everyday printing and finishing. With Emperon Print System, powerful software, even Super G3 fax option. So you can have it all, do it all, keep it all under control – from a single bizhub.

bizhub C450

The essentials of imaging

bizhub C450

General Specifications:

TYPE:
Full-Color Printer/Copier/Scanner with Stationary Platen

PRINT/COPY PROCESS: Tandem Process

TONER TYPE:
Simitri® Color Polymerized Toner

MONTHLY DUTY CYCLE: 125,000 pages

PRINT/COPY SPEED:
Full Color: 35 ppm (letter, portrait)
B&W: 45 ppm (letter, portrait)

SCAN SPEED: Up to 38 opm

PRINT/COPY RESOLUTION: 600 x 600 dpi (enhanced resolution: 600 x 1800 dpi)

GRADATION: 256 color shades per pixel

ORIGINAL SIZE:
Up to 11" x 17" (scanning/copying)
Up to 11" x 17" full-bleed on 12" x 18" paper (printing)

COPY SIZE:
Multi-Purpose Cassette:
    4" x 6" to 12" x 18"
Universal Cassette:
    5-1/2" x 8-1/2" to 11" x 17"
Multiple Bypass:
    4" x 6" to 12" x 18"

WARM-UP TIME: Less than 99 seconds

FIRST COPY:
Full color: less than 8.5 seconds (letter)
B&W: Less than 5.5 seconds (letter)

COPY QUANTITY: 1 - 999

MAGNIFICATION:
Zoom range: 25% – 400%,
    0.1% increments
Preset reduction: 79%, 73%, 65%, 50%
Preset enlargement: 121%, 129%, 155%, 200%

COLOR MODES:
Auto Color Mode
Full Color Mode
Black & White Mode
2-Color Mode
Single Color Mode

COPY EXPOSURE MODES:
Text (legible text)
Text/Photo (clear text and halftones)
Photo (optimized for gradations)
Map (fine edges and legible text)
Dot Matrix (dot matrix originals)
Copied Paper

FAXING (with fax option):
Super G3 compatibility
JBIG data compression
33.6 Kbps modem speed
F-Code support

FAX TRANSMISSION SPEED:
Approximately 2 seconds/page

FAX EXPOSURE MODES:
Text, Text/Photo, Photo, Dot Matrix

PAPER SUPPLY:
250-sheet multi-purpose cassette
    (16 lb. bond to 140 lb. index)
500-sheet universal cassette
    (16 lb. to 140 lb. index)
150-sheet bypass
    (16 lb. bond to 140 lb. index)

MAXIMUM PAPER CAPACITY:
3,400 sheets (total, with options)

bizhub C450

DOCUMENT FEEDER:
DF-601 Standard Automatic Document Feeder
Paper Capacity: 100 sheets
Paper Size: 5-1/2" x 8-1/2" to 11" x 17"
Paper Weight: Single-sided:
    10 lb. bond to 110 lb. index
Double-sided: 13 lb. bond to 28 lb. bond

POWER REQUIREMENTS: 120 V, 60 Hz

POWER CONSUMPTION: Less than 1.5 Kw

DIMENSIONS (W x D x H):
27-3/4" x 30" x 35-3/4"
    (standard configuration)

WEIGHT: 275-1/2 lbs.

OPTIONS:
PC-102 Paper Feed Cabinet (500 sheets)
PC-202 Paper Feed Cabinet
    (500 sheets x 2)
PC-402 Large Capacity Tray (2500 sheets)
FS-603 Booklet Finisher
PK-501 Punch Kit
    (for FS-603 Booklet Finisher)
IC-402 Image Controller
VI-502 Video Interface Kit (for IC-402)
FS-507 Staple Finisher
JS-601 Option Tray
    (for FS-507 Staple Finisher)
EK-702 Parallel/USB 2.0 I/F Kit
MC-501 Mechanical Counter
DK-501 Copy Desk
FK-502 Super G3 Fax Board
MK-703 Enhanced Option Connection
MK-704 Fax Connection Kit
Key Counter Kit

Available Print/Copy Functions*

Account Track (1,000 accounts)
APS/AMS
Auto Duplex
Auto Reset
Auto Tray Switching
Bi-Directional Communication
    (Device Option Setting)
Box Function (Store Copy Jobs,
    Print Jobs, Scans, Fax Data,
Print Stored Data, Route Scanned Data)
Color Modes & Functions
    Auto Color/Full Color
    Black & White Mode
    Single Color Mode
    2-Color Mode
    Color Adjustments (Brightness,
    Contrast, Saturation, Sharpness,
    Red, Green, Blue, Portrait,
    Hue Density, Color Balance,
    Copy Density, Sample Copy)
Copy Modes (Simplex/Duplex, 2-in-1,
    4-in-1, 8-in-one, Book, Booklet,
    Booklet + Bind)
Cover Mode
Creative Functions (Mirror Image,
    XY Zoom, Image Centering, Base
    Color, Negative/Positive Reverse,
    Image Repeat)
Criss-cross Sorting
Distribution No. Printing
Energy Save Mode
Enlarge Display
Erase (Border, Frame, Edge) Mode
Finishing (Group, Sort, Staple, Punch,
    Booklet Center-Fold and Staple)
Form Overlay
Glossy Mode
HDD Random Erase
Image Adjustments (Color Matching,
    Pure Black Auto ON/OFF,
    Color Balance, Screen Setting,
    Image Smoothing ON/OFF)
Image Density Adjustment
    (Density, Background Removal)
Image Preview (Job Finishing Image Display,
    Engine Configuration Display)
Interrupt
Job Erase**
Job List
Job Reserve
LDAP
OHP Interleaving
Mixplex, Mix-Media

Available Print/Copy Functions Continued*

Program/Recall Jobs
Paper Size Selection (APS, Manual)
Paper Type Selection (Normal, Thick 1,
    Thick 2, Thick 3, OHP)
Proof Print
Secure Printing
Separate Scan
Sleep Mode
Text Enhancement
User Authentication (Synchronize with
    Account Track)
Utility (Meter Count, Environment Setting,
    Default Setting, OneTouch Setting,
    Check Consumable Life, Admin. Mode)
Watermarks
Zoom Selection
    (AMS, Fixed Zoom Ratio, User
    Programmable Zoom Ratio, Manual)

Available Scan Functions*

Scan-to-Email
Scan-to-FTP
Scan-to-SMB (Scan-to-Desktop)
Scan-to-HDD (Scan-to-User Box)

Available Fax Functions*

Autodialing (2,000 one-touch keys)
Auto Memory Reception
Auto Reduction Printing
Border Erase Transmission
Broadcasting (maximum 600 locations)
Bulletin Board
Density Adjustment
Duplex Transmission/Reception
Exposure Mode (Text, Text/Photo,
    Photo, Dot Matrix)
Group Dialing
    (up to 500 one-touches per group)
Image Rotation Transmission/Reception
Mailbox (Private) Transmission/Reception
Memory/Quick Dial
Mix Originals Transmission
Original Size Designation
Overseas Transmission
Password Transmission/Reception
PC Fax
Polling Transmission/Reception
Priority Transmission
Print Setting for Overnight Reception
Program Dialing (400 programs)
Redial
Relay Broadcasting
Relay Transmission
Remote Reception
Secure Printing
Telephone/Fax Auto Transfer
Timer Transmission

Emperon Print System

PROCESSOR:
600 MHz

RAM:
512 MB (shared scan and copier memory)

HARD DISK DRIVE:
40 GB (shared scan and copier HDD)

PAGE DESCRIPTION LANGUAGE:
PCL 5e/5c Emulation
PCL 6 (XL version 2.1) Emulation
PS3 Emulation

FONTS:
PCL Resident Fonts: 80 outline + 1 bitmap
PS3 Emulation Resident Fonts: 136 outline

PRINT DRIVERS:
PCL 6:
    Windows 98 SE/ME, 2000/XP/2003,
    NT 4.0
PS3:
    Windows 98 SE/ME (PPD files)
    2000/XP/2003 (Print Driver)
    NT 4.0 (Print Driver)
    Mac OS 9.2 or later, Mac OS X 10.2
    and Mac OS X 10.3 (PPD files)
TWAIN Driver:
    Windows 98 SE/ME, 2000/XP,
    NT 4.0 SP6

Emperon Print System Continued

INTERFACE:
Ethernet 10/100 BaseT
Parallel IEEE 1284 (optional)
USB 1.1, 2.0 (optional)

PROTOCOLS:
TCP/IP
IPX/SPX
AppleTalk (EtherTalk)
LPR
SMB
LPD
Netware (4.x, 5, 6)
Pserver
N Printer
NDPS
IPP
SMTP
POP3
LDAP
SSL
SNMP
HTTP 3.0

PAGESCOPE APPLICATIONS:
Network & Device Management
PageScope Box Operator
PageScope WorkWare**
PageScope EMS Plug-Ins
PageScope NDPS Gateway
PageScope Net Care
PageScope Network Setup
PageScope Web Connection
    (embedded)
PageScope Data Administrator
PageScope Job Spooler

Fiery® IC-402 Embedded Image Controller (option)**

PROCESSOR: Intel® Celeron® 2.0 GHz

OPERATING SYSTEM: Linux

HARD DISK DRIVE: 40 GB

MEMORY: 256 MB (standard);
    512 MB (maximum)

PAGE DESCRIPTION LANGUAGE:
PCL 6, Adobe PostScript 3 (3016)

FONTS: PostScript Fonts: 136,
    PCL Fonts: 45

PRINT DRIVERS:
Windows 98 SE/ME, 2000, XP, NT 4.0
Mac OS 8.6, 9.x
Mac OS X 10.1 and 10.2 (Classic mode)
Mac OS X 10.2.4 and later (Native mode)

INTERFACE: 10/100 BaseT, RJ45, USB 2.0

PROTOCOLS:
TCP/IP (Static IP, Auto IP, DHCP/BOOTP),
    LPR, SMB, IPX/SPX (NDS), AppleTalk
    (EtherTalk), HTTP, SNMP, IPP,
    Port 9100, SMTP, POP3, LDAP,
    SSL/TLS

UTILITIES:
ColorWise® Pro Tools 3.0
Command Workstation™ 4.2 (for Windows)
Command Workstation™ LE
    (for Mac OS 10.2.4 and later)
Fiery® Downloader™
Fiery® Spooler™
Fiery® WebTools™
Standard Spot-On Color Matching

OPTIONS:
256 MB Memory (upgrade, IC-402)
EFI Impose (v. 2.1)
EFI Densitometer (ED-100)
Graphic Arts Options: Hot Folders,
    Auto Trapping
EFI Color Profiler Kit (ES-1000)
    (Spectrophotometer with monitor
    profiling software)

Item #: C450SS