3. Specifications

Product specifications are subject to change without notice.See below for product specifications.

3.1 General Specifications

ITEM	DESCRIPTION	
Print Method	Non-impact Electro-photography	
Development system	Non-Magnetic, Mono-Component, Non-Contact Developing System	
Transfer system	Conductive roller transfer	
Fuser Unit(Toner fix)	Pressure and Heating with e-coil	
*Print Speed	Up to 33 PPM in A4 size	
	Up to 35 PPM in Letter size	
Resolution	Up to 1200 x 1200 DPI effective output	
Source of Light	Laser diode (LSU : Laser Scanner Unit)	
Warm-Up Time	Power-on boot : 40 seconds	
First Print Time	9 seconds or less	
Feed Method	Cassette & Manual, Option Feeder(SCF)	
duplex	Optional	
Media Size	76mm * 128mm(3 * 5") to 216mm * 356mm(8.5 *14")	
Media Thickness	16 ~ 28 lb(60 to 105g/m²), Manual : 16 ~43lb(60 to 163g/m²)	
Dimension(W X D X H)	396 X 453 X 348 mm / 15.6" X 17.8" X 13.7" inch (without options)	
Weight	Net : 17.5 Kg with print cartrige	
	Gross : 21 Kg	
**Acoustic Noise	Stand by : Less than 35 dB	
	Printing: Less than 55 dB	
	Sleep mode : Background Noise	
Power save mode	Enable	
Toner save mode	Enable	
Consumable Parts	Retard Roller	Up to 150,000 Pages
	Transfer Roller	Up to 150,000 Pages
	Fuser Assembly	Up to 150,000 Pages
	Toner Sensor	Yes(dot counting)
	Toner Type	Non-Magnetic toner
	Toner Initial	6,000 pages@ISO 5% coverage
	Toner sale	6,000 or 12,000 pages@ISO 5% coverage
Optional Parts	Optional Tray	Paper Capacity : 500 Sheets
	Wired NPC	Ethernet 10/100 base TX
	(ML-3560/ML-3561N : Optional ML-3560 : Basic)	Protocols : TCP/IP, SPX/IPX, Ethertalk, SNMP, HTTP1.1, DLC/LLC
		8MB RAM Buffer for faster graphics performance
		2MB Flash Memory for upgrade
		Throughput : 200 ~ 300K TCP/IP
	SDRAM DIMM	32, 64, 128, 256MB 100PIN SDRAM DIMM
	Wireless NPC (Option)	IEEE802.11b supportT
		Speed : 11, 5.5, 2, 1 Mbps
		Operation range : 30m(Indoors), 150m(Outdoors)
	Duplex Unit	

* Print speed will be affected by Operating System used, computing performance, application software, connecting method, media type, media size and job complexity.
** Sound Pressure Level, ISO 7779

Service Manual

3.2 Controller Specification

ITEM	DESCRIPTION
Processor(CPU)	SPGPv3 400Mhz
Memory	NAND FLASH 32MB
	RAM : 32MB
	Option DIMM module : 32, 64, 128, 256MB (SDRAM)
	100Pin SDRAM DIMM (Use only Samsung Memory Parts made specifically for this printer.)
	EEPROM(NVRAM) : 4Kbyte
Emulation	PCL6 : Win9x/ME/NT4.0/2000/XP
	Postscript Level3 : MAC OS 8.6 ~ 9.2/10.1 ~ 10.3
	PCL5e : Various Linux OS including Red Hat, Caldera, Debian, Mandrake, Slackware, SuSE and Turbo Linux
Interface	Parallel : IEEE 1284 Bidirectional Parallel
	- Modes supported : Compatible,Nibble,Byte,ECP
	USB(without HUB mode)
	-USB 2.0 compliant -High Speed
	Network Interface : - 10/100 Base TX
	- 802.11b Wireless LAN
Interface switching	Automatic
Interface time-out	999 seconds
Font	45 Scalable Font , 1 Bitmap Font ,Postscript 3 internal font 136

3.3 Electrical Specification

ITEM	DESCRIPTION		REMARK
Input Voltage	Nominal input voltage	220-240 VAC / 110~127VAC	
	Input voltage range	198-254 VAC/ 99~135VAC	
	Nominal frequency	50/60 MHz	
	Frequency tolerance	+3Hz	
Power Consumption	Printing : 600W(average)		
	Sleep : under 12W		

3.4 TONER Cartridge (Developer)

ITEM	DESCRIPTION	REMARK
Life span	Starter: Up to 6,000 pages	A4 Size, @ISO 5% Coverage, SIMPLEX
	Replacement : Up to 12,000 pages	
Developing	Non Contact Developing	
Charging	Conductive Roller Charging	
Toner supply Method	Not possible, replace the whole print cartridge.	
Toner checking sensor	Fitted	
Ozone	0.1PPM or less	
Style	Single cartridge	

3.5 Environmental Condition

ITEM	OPERATING	STORAGE
Temperature	10~30˚C(50-90˚F)	-20~40˚C (-4~104˚F)
Humidity	20~80%RH	10~80%RH

3.6 Paper Handling Specifications

>> Input Paper Size

Supported Paper, Transparencies, and Other Specialty Media

PAPER TYPE/SIZE	DIMENSIONS	TRAY 1(MPT)	TRAY 2	TRAY3	2-SIDED PRINTING
Letter	8.5 x 11 in.	O	O	O	O
Legal	8.5 x 14 in.	O	O	O	O
US Folio	8.5 x 13 in.	O	O	O	O
A4	210 x 297 mm	O	O	O	O
B5-JIS	182 x 257 mm	O	O	O	
ISO-B5	176 x 250 mm	O	O	O	
A5	148 x 210 mm	O	O	O	
Executive	7.25 x 10.5 in.	O	O	O	
Statement	5.5 x 8.5 in	O			
US Postcard	3.5 x 5.5 in	O			
Index Card	3 x 5 in	O			
A6 Postcard	105 x 148 mm	O			
Envelopes					
Monarch	3.88 x 7.5 in.	O			
#10 Commercial	4.13 x 9.5 in.	O			
C5	162 x 229 mm	O			
C6	114 x 162 mm	O			
DL	110 x 220 mm	O			
Transparencies					
Letter	8.5 x 11 in.	O	X	X	X
A4	210 x 297 mm	O	X	X	X
Labels					
Letter	8.5 x 11 in.	O			
A4	210 x 297 mm	O			
Custom	Width = 76~216 mm (3~8.5 in.);	O			
	Length = 127~356 mm (5~14 in.)				

Tray 1 (MPT) Weight : 60~163 g/m 2 (16~43 lb.)

Tray 2 and 3 Weight : 60~105 g/m 2 (16~28 lb.)

Duplex Weight : 75~90 g/m 2 (20~24 lb.)

O : Supported

>> Input capacity

ITEM	DESCRIPTION	
Cassette	Paper	500 sheets (75gr)
MP tray	Paper	100 sheets (75gr)
	Transparencies	50 sheets
	Envelopes	10 sheets
	Labels	25 sheets
Option Cassette	500sheets (75gr)	

>> Output capacity

ITEM	DESCRIPTION
Face Down(Top) tray	250 sheets
Face UP(Rear) tray	100 sheets