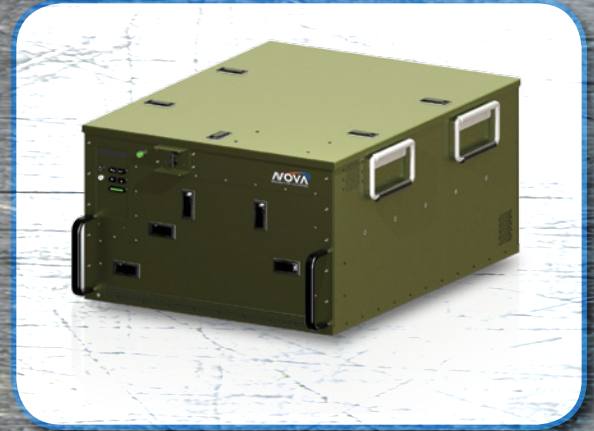


# MODEL 1351

## MIL-GRADE BLACK & WHITE LASER PRINTER



Model 1351 is NOVA's second-generation Military Grade monochrome laser printer. Selected by military land forces, the 1351 continues NOVA's tradition of providing a battlefield-ready printer meeting MIL-STD-461 (EMI/EMC), MIL-STD-704 (transients) and MIL-STD-810 for shock, transportation, bench handling, vibration, crash acceleration, explosive atmosphere, sand and dust, temperature, altitude and humidity.

Built around Brother's HL-L2360DW engine, the 1351 adds features from its predecessor such as faster print speed, upgraded USB port, built-in Ethernet port, 2400 x 600 dpi effective print output, lower power consumption, front panel status indicator LEDs, and easy to use front panel controls. Toner and drum consumables used in the 1351 are standard Brother replacements.

Paper ingress is handled elegantly through a sealed, hinged access door on the front of the printer housing. Paper egress is accessed from the hinged top cover or the front door held tight with quarter turn latches.

Available options include 220 VAC or 18-36 VDC input power via external military grade inverter provided by parent company Technology Dynamics, Inc. ([www.technologydynamicsinc.com](http://www.technologydynamicsinc.com)). Standard mounting configurations include tabletop, 19" rackmount or ARINC style shock tray recommended for vehicle and other high shock applications.

This upgraded unit includes an EMI filter provided by sister division Nova Electric ([www.novaelectric.com](http://www.novaelectric.com)), Steel-coil isolators, optional heater and ability to mount on an external ARINC mounting tray. This unit is also further protected from the elements by conformal coating of PCBs and further ruggedization of the print engine.

Please visit our web site for more information: [www.novaintegration.com](http://www.novaintegration.com)

- **32 ppm print speed**
- **2400 X 600 dpi print resolution**
- **Fast Ethernet and USB 2.0 ports via Rugged Military Circular Connector)**
- **Tested and Passed:**
  - MIL-STD-810F Shock, Method 516.5**
  - MIL-STD-810F Vibration, Method 514.5**
  - MIL-STD-461E EMI/EMC**
  - MIL-STD-704E Transients**
  - RTCA/DO-160F Humidity, Section 6.3.1, Category A**
- **Input power options:**
  - 115 VAC @ 47-63 Hz**
  - 220 VAC @ 50 Hz**
  - 18-32 VDC via External Inverter**
- **Tabletop, Rackmount or ARINC Style Shock Tray Mounting**
- **Automatic Duplex Printing**
- **Heater for -20°C or -40°C Operation**
- **256 MHz Processor and 32 MB Memory**



### ENVIRONMENTAL CHARACTERISTICS

Temperature, operating	5°C to +50°C -20°C to +50°C w/ heater
Temperature, non-operating	-20°C to +71°C
Humidity	RTCA/DO-160F, Section 6.3.1, Category A, 6% to 95% RH, non-condensing
Rapid decompression	MIL-STD-810F, Method 500.4, Procedure III from 8,000 ft. up to 41,000 ft. in 15 sec.
Altitude, operating	-1,500 ft. to 15,000 ft.
Altitude, non-operating	-1,500 ft. to 45,000 ft.
Vibration, operating	MIL-STD-810F, Method 514.5, Procedure I, Cat 8 Wheeled Vehicle, US Army CHS-3 profile
Vibration, non-operating	MIL-STD-810G, Method 514.6, Proc I, secured cargo, basic transportation
Shock, operating	MIL-STD-810F, Method 516.5 Procedure I (functional shock for wheeled vehicles)
Shock, transportation	MIL-STD-810F, Method 516.5, Procedure IV, Transit Drop
Shock, non-operating (Bench handling)	MIL-STD-810F, Method 516.5 Procedure VI
Explosive atmospher	MIL-STD-810F, Method 511.4, Procedure I (up to 11,000 ft.)
Crash acceleration	MIL-STD-810F, Method 516.5 Procedure V (16G limit)
Inclination	0° to 30° in any axis

EMI/EMC MIL-STD-461E, Method CE101, CE102, CS101, CS102, CS114, CS115, CS116, RE101, RE102, RS101, RS103

ESD DO-160E, Section 25

Grounding and bonding MIL-STD-464 & BAC5117-1

Sand and dust MIL-STD-810F, Method 510.4, Proc. I, II & III

Rain MIL-STD-810F, Method 506.4, Procedure III

### ELECTRICAL CHARACTERISTICS

Input Power (standard) 110 VAC @ 60Hz  
220 VAC @ 50Hz  
18-32 VDC w/ external inverter

Power Consumption Printing 468W  
Standby 58W

Data Interface Ethernet via RJ45 D38999  
USB 2.0 via USBFTV D38999

EMI filtering MIL-STD-461 compliant, military grade input power EMI Filter standard

Power transients MIL-STD-704 or MIL-STD-1275

### PHYSICAL CHARACTERISTICS

Dimensions 10.9" H x 17.43" W x 22.58" D

Weight 40 lbs. (Standard tabletop)

Mounting Tabletop, Rackmount or Shock Tray

### PERFORMANCE CHARACTERISTICS

Resolution	2400 x 600 dpi
Print Speed	32 ppm black
Duplex Printing	Automatic
Memory	32MB Installed
Emulations	GDI, PCL6
Paper Sizes	Letter (8.5" x 11") & A4
Paper Input	250-sheet input tray
Processor	266 MHz

### ORDERING TABLE

## 95-1351-MPH00-00X

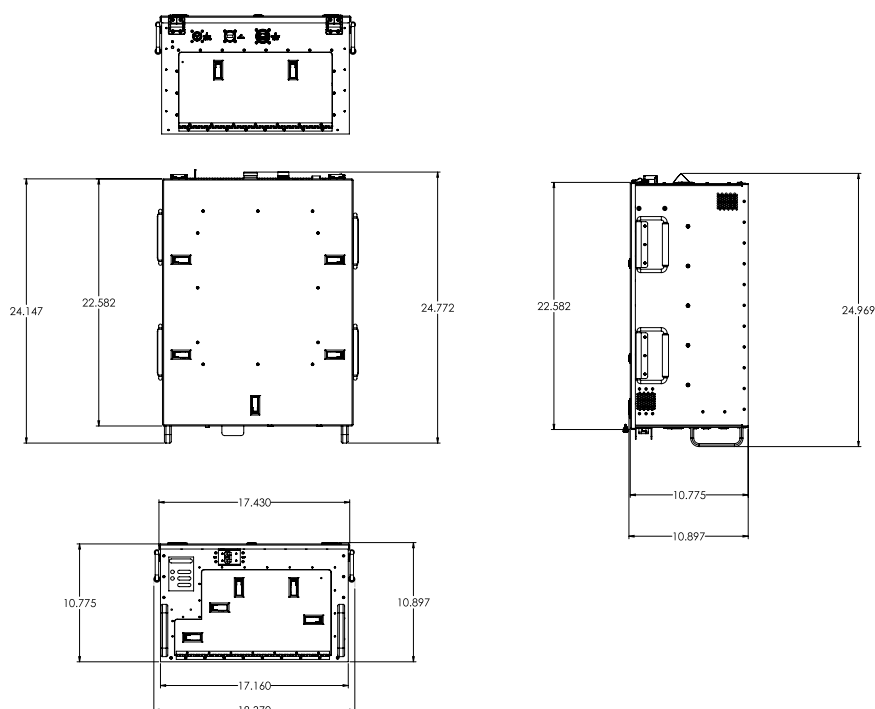
MOUNTING	POWER	HEATER	CONFIG
0 Tabletop	3 110 VAC	0 None	1 Standard
2 Rackmount	4 220 VAC	1 Installed	x Customer Specific
4 Shock Tray	8 18-32 VDC		

Contact factory for additional configurations and options

### CONSUMABLES

56-100014-100 Model 1351, TN660, High Yield Black Toner Cartridge

### OUTLINE DRAWING



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