



# NOVA 1250

## RUGGED COLOUR WIDE FORMAT INKJET PRINTER

### FEATURES INCLUDE:

- Long & Short Configurations
- 4800 x 1200 dpi Colour Printing
- Wide Format Printing
- MIL-STD-810G / 461E / 1686A
- Very Low Power Consumption
- 0°C to 50°C Operating Temperature



### PRODUCT OVERVIEW

Model 1250 is NOVA's wide format, military-grade colour inkjet printer capable of printing up to 11" x 17" sheets. Following the design concepts of the tested and flight-qualified Model 1150 Printer selected by Boeing for deployment aboard the P-8I Multimission Aircraft, the 1250 is designed to meet the same MIL standards for EMI/EMC, power transients, shock, vibration, crash acceleration, temperature and humidity to include sand and dust.

The 23.6 Short printer is specifically designed for space challenged applications and is the compact version of the Model 1250 - 30" Long. From a performance perspective, Model 1250 is rated at 33 pages per minute in black mode, up to 29 pages-per-minute in colour mode, and uses standard HP ink cartridges. Power consumption is approximately 25 Watts when printing and a mere 2 Watts in standby mode.

Standard I/O interfaces include USB 2.0 and Ethernet (10/100 Base-T), through the Amphenol RJFIELD and USBFIELD connector series. Available options include heater circuitry for extended temperature operation, conformal coating, front panel indicators, sealed housing for environmental rating, I/O connectors, custom mounting, and customer defined paint colours and silk screening.

Continued availability of the HP engine and parts up to five (5) years after their announced discontinuation is assured by NOVA's EOL program. \*In the short configuration, to print on 11x17 paper the front door must remain open and the paper tray extended past the front panel opening. While printing on 11x17 paper the printer will not meet the operational shock/vibration specs as well as EMI/EMC and sand/dust.

# SPECIFICATION

<b>Resolution</b>	4800 x 1200 dpi colour 600 x 1200 dpi black
<b>Print Speed</b>	33 ppm black / 29 ppm colour
<b>Memory</b>	128MB Installed (Non Expandable)
<b>Languages &amp; Fonts</b>	HP PCL 6 GUI PCL 3 Enhanced
<b>Paper Sizes</b>	Letter, legal, executive, tabloid, envelopes Up to A3, A4, A5, A6, B5
<b>Paper Input</b>	250 Sheet Input Tray
<b>OS Support</b>	Windows 8, 7, Vista, XP Mac OS X, Linux
<b>Input Power</b>	90-264 VAC @ 47 - 440HZ <b>Optional:</b> 18 - 32 VDC
<b>Power Consumption</b>	Printing: 30W Standby: 2W
<b>Power Transients</b>	MIL-STD-704E & MILSTD-1275D
<b>Data Interface</b>	10 / 100 Ethernet via RJFTV D38999 USB 2.0 via USBFTV D38999
<b>Dimensions</b>	Long: 10.46" x 24.04" x 30.1" Short: 10.46" x 24.04" x 23.6"
<b>Weight</b>	Short: 48 lbs Long: 52 lbs
<b>Mounting</b>	Tabletop or ARINC Shock Tray
<b>Operating Temperature</b>	0°C to +50°C -20°C to +50°C With Optional Heater
<b>Non Operating Temperature</b>	-40°C to +85°C With Ink Cartridges Removed

<b>Humidity</b>	RTCA/DO-160F, Section 6.3.1, Category A 6% to 95% RH non-condensing
<b>Low Pressure</b>	MIL-STD-810F, Method 500.4, Procedures I and II (atmospheric pressure corresponding with -1,500 ft.)
<b>Rapid Decompression</b>	MIL-STD-810F, Method 500.4, Procedure III from 8,000 ft. up to 41,000 ft. in 15 seconds
<b>Operating Altitude</b>	-1,500 ft. to 15,000 ft
<b>Non Operating Altitude</b>	-1,500 ft. to 40,000 ft. With Ink Cartridges Removed
<b>Operating Vibration</b>	MIL-STD-810F, Method 514.5, Procedure I, Cat 8 Wheeled Vehicle, US Army CHS-3 profile
<b>Non Operating Vibration</b>	MIL-STD-810G, Method 514.6, Procedure I, secured cargo, basic transportation
<b>Operating Shock</b>	MIL-STD-810F, Method 516.5, Procedure I (functional shock for wheeled vehicles)
<b>Non Operating Shock</b>	MIL-STD-810F, Method 516.5, Procedures VI
<b>Transportation</b>	MIL-STD-810F, Method 516.5, Procedure IV, Transit Drop
<b>Explosive Atmosphere</b>	MIL-STD-810F, Method 511.4, Procedure I (up to 11,000 ft.)
<b>Crash Acceleration</b>	MIL-STD-810F, Method 516.5, Procedure V (16G limit)
<b>Inclination</b>	0° to 30° in any axis
<b>EMI / EMC</b>	MIL-STD-461E, CE101, CE102, CS101, CS102, CS114, CS115, CS116, RE101, RE102, RS101 & RS103
<b>ESD</b>	DO-160E, Section 25 (20 contact points)
<b>Grounding &amp; Bonding</b>	MIL-STD-464 & BAC5117-1
<b>Sand &amp; Dust</b>	MIL-STD-810F, Method 510.4, Procedure I, II & III

## ORDERING TABLE

<b>Mounting</b>	0: Tabletop 4: Shock Tray
<b>Power</b>	6: 110 - 220 VAC (47 - 440 Hz) 8: 18 - 32 VDC
<b>Heater</b>	0: None 1: Installed
<b>Depth</b>	0: Short 23" 1: Long 31"
<b>Configuration</b>	1: Standard X: Customer Specific

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Technical Specifications quoted are verified but do not indicate the maximum performance limitations of the equipment. Specifications are subject to change without notice. E & OE Issue A

