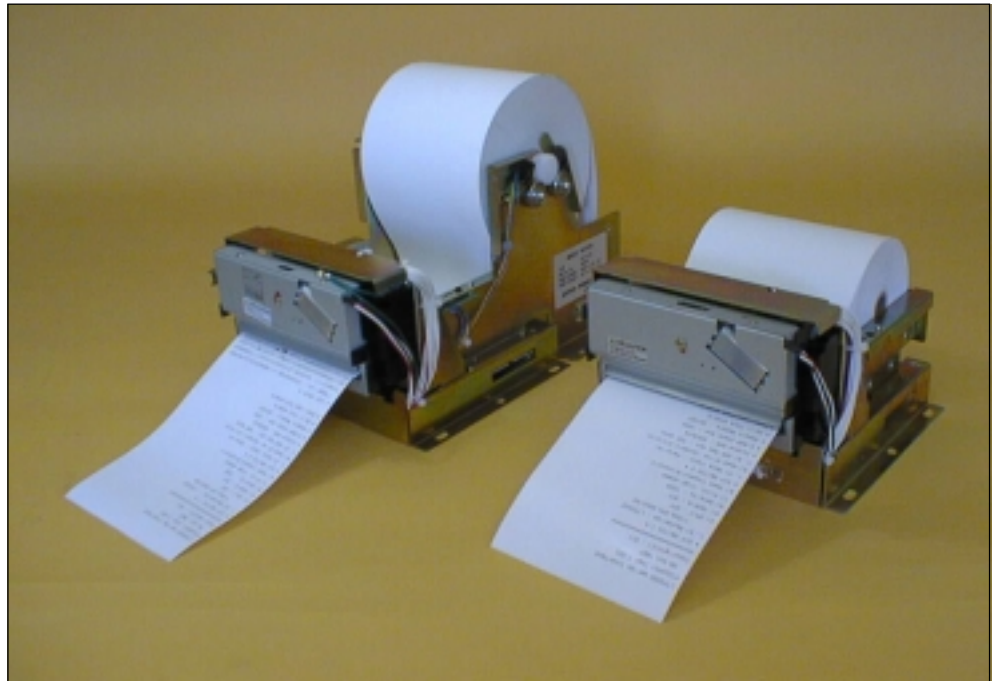


## Features

- Fixed Head Thermal Mechanisms
- Very High Speed: 75mm/sec  
(16 lines per second approx.)
- Inbuilt Cutter
- Interface: RS232C Serial  
Centronics Parallel
- Thermal Paper :  
Width: 112mm  
Diameter: 105mm standard  
254mm special
- Characters per Line: 52 characters  
(standard size)
- Barcode Printing Capability
- Graphics Printing Capability:  
832 dots/line
- Resolution: 8 dots/mm
- Sub Assembly for Easy Installation
- Size:156(W)x183.7(D)x115(H)mm  
(excluding paper roll)
- Power Supply: 24V
- Low cost

## Applications

- Information Kiosks
- Gaming Applications
- PoS
- ATM
- Barcode Printing
- Medical Print Out



## Introduction

The NP-413 panel mount printer assembly consists of a fixed head thermal mechanism, integral cutter, interface, paper roll holder and plastic chassis.

It is the latest addition to the NP-213/NP313 range of assemblies. The NP-413 uses paper of 112mm width. It requires a single power supply of 24VDC and has a long life head.

The standard version accepts paper rolls up to 105mm in diameter. An option allows rolls up to 254mm in diameter to be used.

They are particularly suited to applications requiring fast high quality tickets with reliable operation where cost is an important factor.

By using a printer module, development times are greatly reduced and productivity increased. The design is compact and light weight making it easier to install.

Both Centronics parallel and RS232C serial interfaces are included as standard. Most common barcodes can be printed.

As the control codes are compatible with Epson ESC/PoS commands current software may not require modification.

## Operation

Installation is greatly simplified as the interface, cutter and paper path are fixed in the chassis design. However careful attention should be paid to the paper exiting from the cutter to ensure it has a free path.

A single 24VDC supply is required. The NP-413 is supplied with flying cables to the interface.

**SPECIFICATIONS**

**Print Method:** Fixed Head Thermal

**Print Speed:** 75mm/sec (max)

**Print Resolution:** 8 Dots per mm

**Dots Per Line:** 832

**Characters / Line:** 52 Standard Size  
104 Condensed

**Line Feed Pitch:** 4.23mm (1/6")

**Paper Feed Method:** Friction

**Interface:** Centronics Parallel  
RS232C Serial  
(1200, 2400, 4800, 9600 Baud)

**Paper:**

Type: Thermal  
Width: 112mm +0 -1mm  
Diameter: 105mm (Max) Standard  
254mm (Max) Option

**Cutter:**

Modes: Partial/Full  
Life: 300,000

**Power:**

Voltage: 24VDC ±5%

**Reliability:**

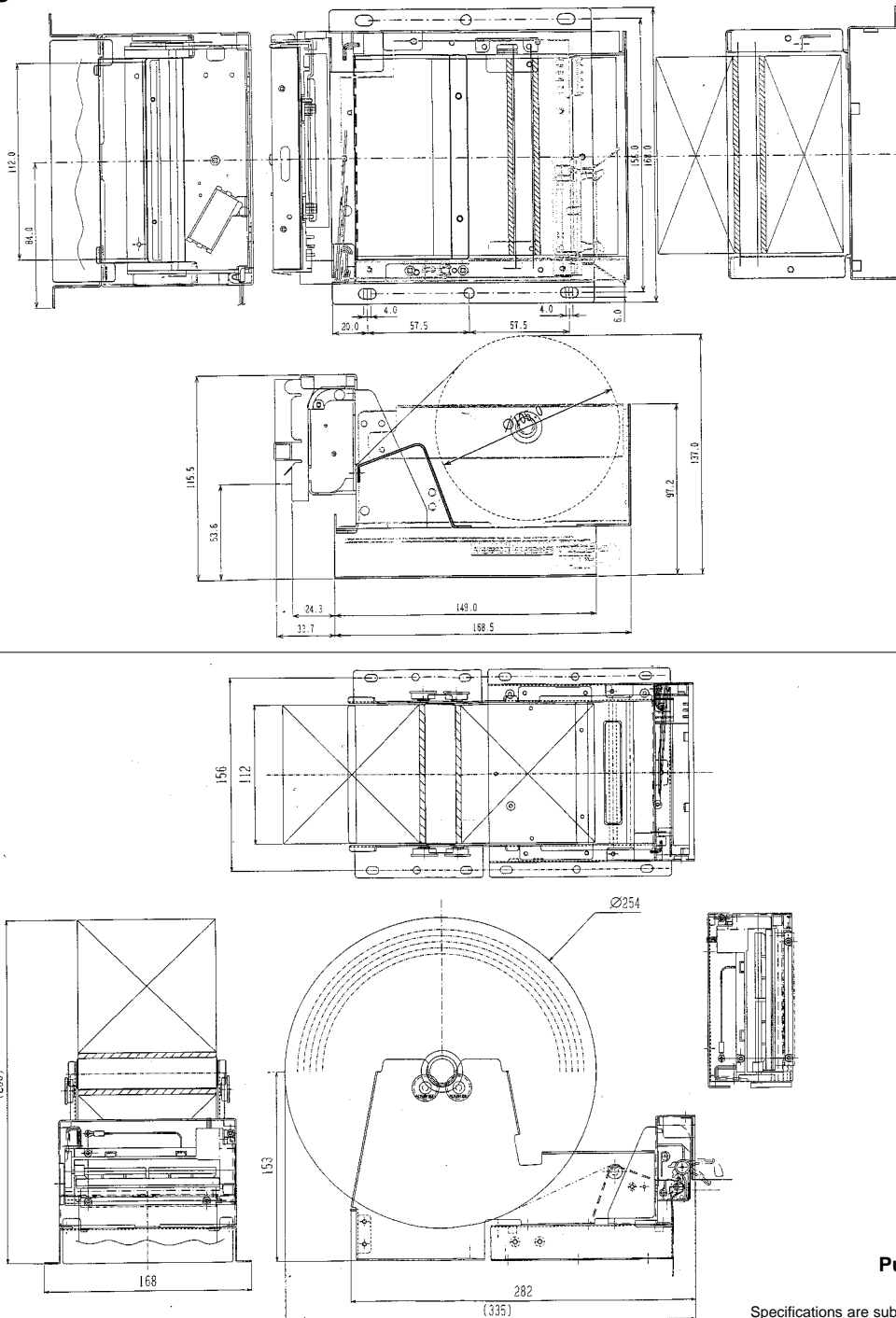
Head: 100 million pulses (at 12.5%)  
Wear: 50 km minimum

**ORDER CODE**

Thermal Printer Assembly, Friction Feed, Thermal Fixed Head, Cutter, RS232C and Centronics Interface

NP-413 : 52/104 Characters 112mm Wide Paper

**OUTLINE DRAWINGS**



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Specifications are subject to change without notice



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