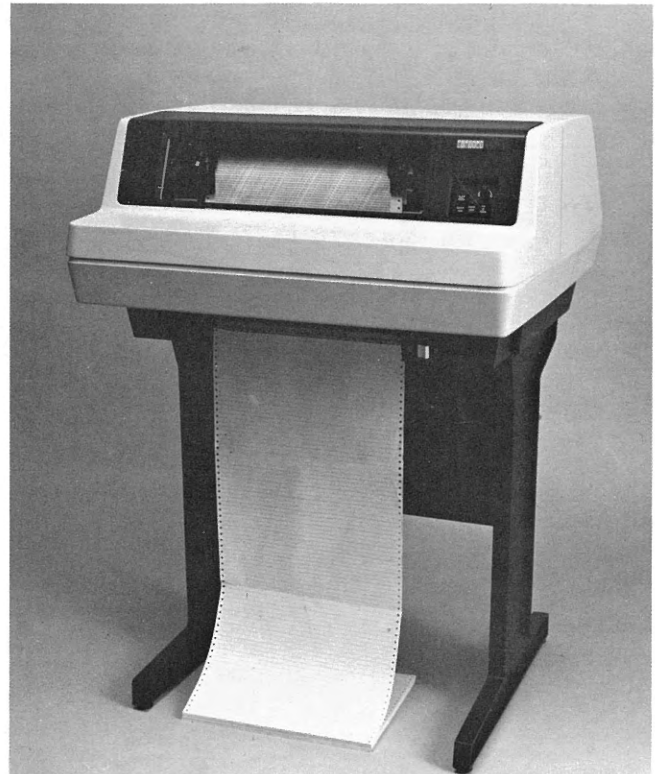


# LP11-AA/LP11-BA LINEPRINTERS

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DATA SHEET

The LP11-AA and LP11-BA are freestanding, low cost band printers designed for use in a wide range of applications--including the commercial, scientific, educational, and industrial marketplaces. The LP11-AA lineprinter operates at speeds of up to 300 lines per minute using a 64-character ASCII set; the LP11-BA operates at either 300 lines per minute using a 64-character ASCII set or 215 lines per minute using a 96-character ASCII set. Economical and versatile, these lineprinters feature a wide selection of user-selectable and interchangeable character styles. Optional fonts include those for foreign languages and compressed printing. These lineprinters accept single- or multi-part forms of pin-feed continuous fanfold edge-perforated paper, and can produce up to six copies of multi-part forms.



## HIGHLIGHTS

### Performance

- Single- or multi-part forms capability
- Printing speed of up to 300 lines per minute using a 64 ASCII character set (LP11-AA)
- Printing speed of up to either 300 lines per minute using a 64 ASCII character set or 215 lines per minute using a 96 ASCII character set (LP11-BA)

### Optional Character Styles

- User changeable and selectable bands for maximum flexibility
- Accommodates 3 different PROMS that correspond to the band chosen
- Foreign character and compressed fonts available for extended capability and versatility

### Maintainability

- Heavy-duty construction eliminates frequent repairs and adjustments
- Built-in self-test capabilities reduce servicing
- Modular design facilitates easy parts removal/replacement during routine servicing and maintenance

## DESCRIPTION

The LP11-AA and LP11-BA lineprinter systems consist of a freestanding lineprinter unit, a controller, and a 9.2 m (30 ft) cable for connecting the controller to the lineprinter. These lineprinters accept single- or multi-part forms of pin-feed continuous fanfold edge-perforated paper, can produce up to six copies of multi-part forms, and include a paper receptacle. The LP11-AA/BA lineprinters are connected to the UNIBUS™ via the controller and operate on-line with UNIBUS PDP-11™ and VAX™ systems.

### Operation

The LP11-AA/BA lineprinters utilize a flat, steel band with raised metal characters on the face of the band. This band is mounted on two pulleys--one to the right, and one to the left of the paper. The LP11-AA/BA has 66 hammers which strike the corresponding character in a column as it comes around on the moving band. A blank space between each character on the band causes the two column wide hammer to print only one character when it strikes. As a result, every hammer strikes twice to print a line. Because the print band moves horizontally across the paper, vertical misregistration is reduced to produce a clearer print appearance.

### Controls and Indicators

The LP11-AA/BA lineprinters are equipped with an ALARM/CLEAR Switch to indicate a problem encountered during operation. This light will be on simultaneously with the STATUS display to identify one of the 47 possible error conditions. Any one of these conditions will cause the printer to go off-line until corrected by the operator.

Other controls include the PAPER STEP switch (advances paper one line), TOP OF FORM switch (advances paper to top of next form), PHASE control (adjusts the hammer

phasing and is used to achieve equal printing density on the left and right sides of each character), 6/8 LINES (allows setting to either 6 or 8 lines per inch), test switch (enables self-test function), COPIES control (adjusts the force of hammer impact when printing multiple copies) and FORMS LENGTH SELECTOR (sets the forms length from 3 in to 14.75 in). The LP11-AA/BA lineprinters also contain internal controls including Horizontal Form Position Adjustment and Vertical Form Position Adjustment.

## SPECIFICATIONS

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### Performance

Printing Speed (LP11-AA)	300 l/in
Printing Speed (LP11-AB)	300, 215 l/in
Character Set (LP11-AA)	64 ASCII
Character Set (LP11-AB)	64, 96 ASCII
Paper Slew Speed	37.5 cm/sec (15 in/sec)
Buffer Capacity	132 characters

### Dimensions

Height	111 cm (43.8 in)
Width	76 cm (30.3 in)
Depth	85 cm (33.6 in)
Weight	89 kg (195 lbs)

### Operating Environment

Temperature Range	10°C to 40°C (50°F to 104°F)
Relative Humidity	20% to 80%
Power Consumption	350 Watts
Heat Dissipation	1200 Btu/h
Altitude	Up to 2288 m (7500 ft)

### Power

Interface (controller) current	1.5 A @5 Vdc
Operating Current:	3 A @ 120 Vac 1.5 A @240 Vac
Voltage:	120 Vac ±10% 240 Vac ±10%
Frequency:	60 Hz ±2 Hz 50 Hz ±2 Hz
Single Phase	
Receptacles	Nema #5- 15R,Nema #6-15R

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