



# Tech Info Library

## LaserWriter Select 360: RAM Needed for Legal Page (8/94)

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TOPIC -----

How much ram is necessary for the LaserWriter Select 360 to print a legal size page of text?

DISCUSSION -----

The memory requirements for printing a legal size page depend on the selected resolution, the imageable area, number of fonts downloaded to the printer, and the PostScript overhead requirements. The imageable area can be calculated from the border information available in page setup by clicking on the dog-cow icon.

The chart below indicates the amount of memory set aside by the printer for the page buffer which stores the processed image just before printing.

| DPI(H) | X | DPI(V) | X | Imageable Area | = | Page Buffer | Comments             |
|--------|---|--------|---|----------------|---|-------------|----------------------|
| -----  |   | -----  |   | -----          |   | -----       | -----                |
| 300    |   | 300    |   | 6.722 x 12.5   |   | 945K        | Std. Legal           |
| 300    |   | 300    |   | 8.112 x 13.639 |   | 1.245MB     | Larger Print Area On |
| 600    |   | 600    |   | 6.722 x 12.5   |   | 3.781MB     | Std. Legal           |
| 600    |   | 600    |   | 8.112 x 13.639 |   | 4.979MB     | Larger Print Area On |

Once the printer has allocated memory for the page buffer it also allocates space for the PostScript interpreter, PostScript dictionaries, display list, font caching, and program memory. The standard 7 MB LaserWriter Select 360 provides enough DRAM to print a full legal page at 600 DPI with over 1MB of virtual memory remaining for downloading fonts.

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