LaserWriter Pro 810: Total Memory Available (2/94)

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TOPIC ---

I have noticed a big difference between the LaserWriter Pro 810 and
several printers with the Total Memory available (information available
in the "Printer info" dialog box of LaserWriter driver 8 versions). The
LaserWriter Pro 810 seems to have less total Memory available. Here's a
table of some Apple printers:

```
         / Pro 810 / Pro 810 / Select 360 / Pro 630 / Pro 630 / LW IIg /
--------------------------------------------------------------------------
Résolution
        /  400dpi /  800dpi /   600dpi   /  600dpi /  300dpi / 300dpi /
--------------------------------------------------------------------------
RAM   /  8MB    /   8MB   /   7MB      /  8MB    /  8MB    /   4MB   /
--------------------------------------------------------------------------
Total Memory
available
     / 348,4K /  356,5K /  1 ,3MB    /   2,2MB  /  2,2MB  / 1,7MB /
--------------------------------------------------------------------------
```

Can you explain the differences for the total memory available among
the printers listed?

DISCUSSION --

The total memory available is the amount of memory left after the
printer has set aside its required space to operate. The majority of
this is the largest page buffer possible at the highest resolution,
given the amount of memory installed in the printer.

For example, a LaserWriter Pro 630 with 8MB of RAM would allocate a
page buffer for a 600dpi Legal-sized page (approximately 5MB). The
LaserWriter Pro 810 with 8MB of memory would allocate a page buffer for
an 800dpi Letter-sized page (approximately 6.8MB) since there isn't
enough memory to create a page buffer for an 800dpi Legal-sized page
(approximately 8.8MB).

In addition to the page buffer, the printer needs to allocate space
for the PostScript interpreter itself, PostScript dictionaries, display
list, font caching, and program memory.

Keywords: SUPT

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