

INPUT

PAPER TAPE
150-180 characters/second
10 characters/inch

PUNCHED CARDS
400-500 cards/minute
533-666 characters/second
(fully punched 80 column)

OUTPUT - On Line

PAPER TAPE
20 characters/second

FILM OUTPUT FOR LINE PRINTER
1,800 characters/second
30 inches/second

1,000 foot reel
Start/Stop time 30 m.s.
Recording time 13 minutes

FILM OUTPUT - Serial Characters
300 characters/second
30 inches/second

1,000 foot reel
8 tracks
Start/Stop time 30 m.s.
Recording time 55 minutes
Capacity 960,000 characters

OUTPUT - Off Line
MAGNETIC FILM TO TAPE PERFORATORS - 4 channel
4x20 characters/second
2 inches/second
Output time 3h.20m/film

OUTPUT - Off Line —continued

MAGNETIC FILM TO TAPE PERFORATORS - 2 channel

2x20 characters/second

2 inches/second

Output time 6h.40m/film

LINE PRINTER
300 lines/minute
140 characters/line

DRUM & DISC

	drum	disc
Diameter	8 $\frac{1}{4}$ in.	19 $\frac{1}{4}$ ins.
Width	1 $\frac{1}{2}$ in.	$\frac{1}{4}$ in.
R.P.M.	4,600	2,300
Tracks	32	64
Sectors	64	256
Words	4,096	16,384
1 Rev.	13.2ms	26.4ms
Packing Density	168 digits/inch	

(or 4 Blocks/sec.)

approx. 289 m.s.

MAGNETIC FILM —continued

READ/WRITE A 64 WORD BLOCK

a *Intermittent Working*

Acceleration

Transfer 64 words

To next Block Marker

Decelerate

Back to Block Marker

Come to rest

FAST READ/WRITE WITH 2 FILM UNITS
Allows approx. 1,000 word times between Blocks

READ/WRITE 1 FILM	22 mins
Intermittent Working	
Continuous Working	13 mins
To reach Block Marker	
Transfer 64 words	
(or 6 Blocks/sec.)	
approx. 169 m.s.	

Length	1,000 feet
Width	35 mm
Channels	9
Packing	140 bits/inch
Speed	30 ins/second
Rate	15 kc/s
Words/Block	64+2 Dummy
Bits/Word	32+1 Parity
Blocks/Film	4,400
Length/Block	approx. 5 inches
Words/Film	282,000

SYSTEM CENTRE

Pulse Rate	333 Kc/s
Word Length	32 bits + 2 gap
Word Time	102 microseconds
Digit Time	3 microseconds