IBM 607

Type 607 Electronic Data Processing Machine

MANUFACTURER

International Business Machines Corporation

Picture by International Business Machines Corporation

APPLICATIONS

Manufacturer
Business and scientific calculating.

NUMERICAL SYSTEM

Internal number system	Binary coded decimal
Decimal digits per word	3 or 5
Instructions used	10
Arithmetic system	Fixed point
Instruction type	One or two address
Number range	Variable

ARITHMETIC UNIT

Time	Microsec
Add (exclud. stor. access)	520
Mult (exclud. stor. access)	12,940
Div (exclud. stor. access)	15,700
Construction Vacuum tubes	
Basic pulse repetition	50 KC
Arithmetic mode Parallel	
Timing	Synchronous
Operation	Sequential

STORAGE

Media	Words	Microsec Access
Electronic tubes	37	520

INPUT

Media	Speed
Card Reader-Punch	100 cards/min

OUTPUT

Media	Speed
Card Reader-Punch	100 cards/min

CIRCUIT ELEMENTS ENTIRE SYSTEM

Tubes	2,584
Tube types	7

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CHECKING FEATURES

Check possible through control panel wiring.

POWER, SPACE AND WEIGHT

Power, computer	13.5 KVA
Space, computer	178.9 cu. ft. 36.5 sq. ft.
Weight, computer	4,330 lbs.

PRODUCTION RECORD

Produced	268
Operating	258
Delivery time	12 months

COST, PRICE AND RENTAL RATE

Rental rates of basic system approximately $800 per month and up. Rental rate includes engineering maintenance and parts.

INSTALLATIONS

Shell Oil Company
New York Life Insurance Company
Consolidated Edison Company, New York, New York
Bausch and Lomb Optical Company, Scientific Bureau, Rochester 2, New York

ADDITIONAL FEATURES AND REMARKS

Manufacturer

The IBM 607 Electronic Calculator is designed for use by business and industry. Because of its expanded capacity, the overwhelming majority of business calculations requiring multiple machine operations are performed and checked in a single operation. It is capable of performing and checking 14,000 computing operations a minute.

The "memory" capacity of the 607 makes it possible to use intermediate calculated results as well as original data in solving a problem. Other necessary information not punched in cards, such as tax percentages, discount rates and overtime factors, may be entered as required.

Industrial Sample

Bausch and Lomb Optical Company

The system is utilized for the design of optical equipment and other scientific calculations.

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