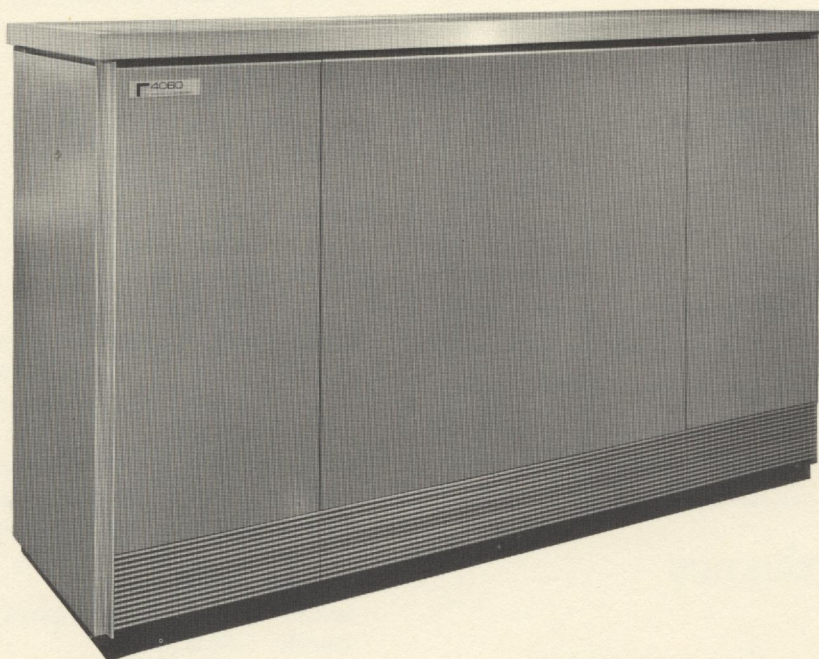# rc4000 COMPUTER®

SPECIFICATION

RC 4060 AND 4061 INPUT/OUTPUT CONTROLLER CABINETS

The input/output controller cabinet is designed to house device controllers and peripherals for the RC 4000 computer. The cabinet includes the necessary power supplies and a ventilation system.

Construction and Technology

The cabinet, which has easily removed side panels and top, is divided into three sections. The left-hand section contains the power supplies, whereas the right-hand section is designed for the mounting of peripheral devices (e.g. a drum store).

The middle section is intended for the mounting of sub-frames with device controllers. The number of controllers per cabinet depends on the size of the controllers in question: the RC 4060 can house 16 single module sub-frames, the RC 4061 24.

A single module sub-frame has 26 card positions, sufficient for some low-speed device controllers, such as those for the paper tape reader and paper tape punch. An input/output typewriter controller and most high-speed device controllers require a double or triple sub-frame. The mounting of sub-frames is standardized, and connections to the data channel are made by means of cables and plugs, allowing fast and trouble-free field changes in existing RC 4000 systems.

The power supply has a modular construction with one or more modules per voltage. All voltages are regulated and short-circuit protected, with supervision of voltages exceeding both an upper and a lower limit. In case of failure, all power supply modules are switched off automatically.
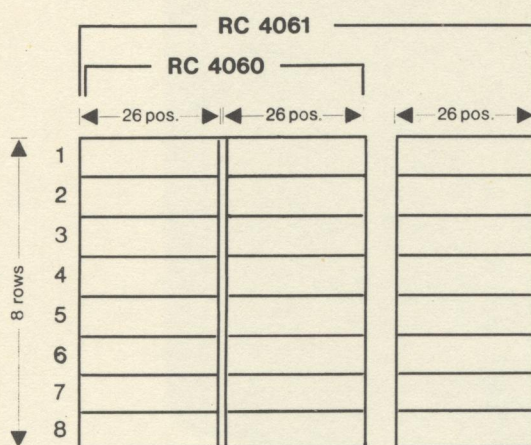
The ventilators take in cooling air through filters, either at the sides or at the bottom of

the cabinet from beneath the floor. (This must be specified prior to delivery). Air escapes at the top.

The temperature of outlet air is supervised with 2 alarm levels. The first alarm level is reached a few degrees below the maximum permissible temperature. This alarm gives the operator a preliminary warning. The second level is reached when the temperature exceeds the permissible limit. This alarm causes an automatic switch-off of the power supply.

Placing of Sub-Frames in Middle Section

CHARACTERISTICS

Capacity
RC 4060: 4 to 16 device controllers
            (16 x 26 card positions)
RC 4061: 6 to 24 device controllers
            (24 x 26 card positions)

Size
width: 234 cm
depth: 71 cm
height: 145 cm

Weight
about 350 kg exclusive of device controllers and peripherals

Device Controller Sizes

	Positions*
RC 4121 Input/Output Typewriter Controller	2 x 26
RC 4171 Paper Tape Punch Controller	1 x 26
RC 4161 Paper Tape Reader Controller	1 x 26
RC 4320 Magnetic Drum Store Controller	3 x 26
RC 4314 Magnetic Disc Store Controller	3 x 26
RC 4311 Magnetic Tape Station Controller	3 x 26
RC 4310 Magnetic Tape Station Controller	3 x 26
Line Printer (RC 610)	0 x 26
RC 4317 Punched Card Reader Controller	2 x 26
RC 4191 Incremental Plotter Controller	1 x 26
RC 4193 Drafting Machine Controller	2 x 26
RC 4123 Telemultiplexer (8 terminals)	2 x 26
(24 terminals)	4 x 26
Graphic Display Terminal (RC 4195)	0 x 26

* 1 x 26 positions = single module sub-frame
  2 x 26 positions = double module sub-frame
  3 x 26 positions = triple module sub-frame

Space for Peripherals
width: 48.3 cm (19 inches)
depth: 59.0 cm
height: 109.0 cm

Power
220 V ± 10 %, 50 Hz ± 4 %
current dependent on device controllers

Ambient Air
temperature: 0 to 45°C
relative humidity: 30 to 70 %
both, provided none of the device controllers or devices included have special requirements

rc 4000 COMPUTER®