N452

MODEL 3160 CARD READER/PUNCH SYSTEM

FEATURES

- **Reader Punch in Single Package**
- **Common Interface to Reader and Punch**
- **High-Speed Operation**

PRODUCT BULLETIN

Datacraft®

A combination card reader and card punch, the Model 3160 provides the punched card user a dual capability for communication with Datacraft's family of computers. Completely self-contained, the Model 3160 System includes a card reader/punch mechanism, reader/punch electronics, computer interface controller and all associated power supplies.

The reader/punch device is a column-oriented, punched-card, read-punch mechansim with no code conversion. Having a 1200 card hopper and a 1300 card stacker, for holding cards, the device is complete with control panel and maintenance panel for operating and testing. With a nominal read operating rate of 500 cards per minute and an 80 column punch operating rate of 100 cards per minute, speed and efficiency are combined in a dual purpose, stand-alone device.

When "on line," reader/punch operation is under program control, depending upon computer generated instructions transferred via a Datacraft designed interface controller. The interface controller is contained on one printed circuit board located in the lower left rear portion of the device and is easily accessible by removing an outer panel.

In both punch and read modes, the cards are retained in the hopper prior to receiving a feed command from the interface controller. Again, in either mode of operation, continuous feed commands move the cards through seven functional card path stations. In the read mode, data are read and presented one card column (twelve lines) at a time to the interface controller. Conversely, in the punch mode, data received via the interface controller are punched one card column at a time. The stacker receives and stacks cards exiting from the punch/reader mechanism, maintaining original card sequence.

SOFTWARE

In addition to a standard diagnostic, four operating system program packages are available with the card reader/punch. The program packages include Resident Operating System (ROS), Tape Operating System (TOS), Disc Operating System (DOS), and Disc Monitor System (DMS). The program packages have been designed to provide maximum use of all hardware capabilities.

SPECIFICATIONS

READ MODE

Feed Rate	500 cards per minute.
Data Rate	725 microseconds per column.
Read Method	Photocell & light source.

PUNCH MODE

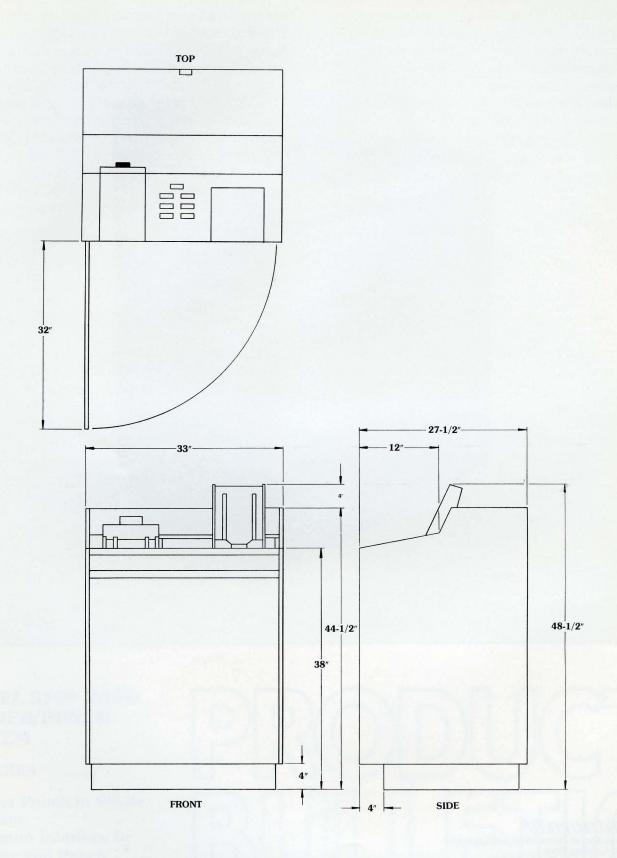|	
Feed Rate	100 cards per minute (80 column punching).
	400 (plus) cards per minute (punching first column only).
Data Rate	6 milleseconds per column, maximum.
Punch Method	Single column.
Error Checking	Echo detection.
Height	48½ inches.
Width	33 inches.
Depth	27½ inches.
Weight	510 pounds.
Power Requirements	117 volts, 60 Hz, single phase, 14 amperes
Power Consumption	900 watts.
Ambient Operating Temperature	55°F to 90°F.
Cooling Air Displacement	120 CFM.
Relative Humidity	25% to 75%.
Maximum Heat Dissipation	2600 BTU/hr.

Specifications to change without written notice.

TOP

32″

33″

4″

44-1/2″

38″

4″

FRONT

27-1/2″

12″

48-1/2″

4″

SIDE

Datacraft®
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