



**RC 3645**

***Charaband Printer***

- A FAST LINEPRINTER
- SUPERB PRINT QUALITY
- EXCHANGEABLE CHARACTER SETS
- POWERED PAPERSTACKER
- LOW NOISE-LEVEL





## GENERAL

The RC3645 Charaband printer is a high performance printer. It includes the flexibility of a train or chain printer, the speed of a drum printer and the quality of a typesetting machine. These aims are achieved by the use of a character-carrying band, known as Charaband, which is held against a series of sealed bearing rollers by a permanent magnetic field. The Charaband contains 384 double ended steel type slugs embedded in a belt of specially developed synthetic rubber, thus forming a band that can be driven continuously with virtually no mechanical wear.

Since the type slugs are double ended, each Charaband may contain two different character sets. The Charaband can easily be reversed by the operator, or replaced by another Charaband. The actual speed of the RC3645 depends on the length of the character set chosen. A Charaband containing 48 characters repeated 8 times, gives a print speed of 1500 lines per minute with single line spacing, or 1130 lines per minute if the reduced band speed is selected for superb print quality. Standard character sets are available. Special character sets to user specifications are available on request.

A powered forms stacker is a part of the RC3645 Charaband printer. The stacker refolds forms along their original fold lines after they have been printed on and stacks them in an output tray. The stacker will handle forms with fold lengths of 5½ through 14 in.

## SPECIFICATIONS

Print rate: (lpm)	Character set	16x24 ch.	12x32 ch.	8x48 ch.	6x64 ch.	4x96 ch.	3x128 ch.	2x192 ch.
	Normal charaband speed	2000	1920	1500	1220	905	715	500
	Reduced charaband speed	1805	1505	1130	905	645	500	345

Line density:	6 or 8 lines per inch.
Character density:	10 characters per inch.
Print positions:	136
Paper width:	5½ inch to 18¾ inch. (over-all width including ½ inch margin on each side)
Paper type:	Sprocket feed Single part: 15 lbs minimum, maximum thickness .020 inch. Multipart: up to 6 part forms. Typical forms consisting of 12 pound bond and 6 to 8 pound carbon Card stock, 15 to 125 lbs.
Standard features:	Power stacker, 12 channel VFU, phasing and penetration control, static eliminator, parity check, Charaband speed selector, paper low detector, hammer verifier, two slew speeds, extended form bay - (accommodates up to 12 inch stationary), castors
Noise level:	Max. 69 db (unweighted)
Power requirements:	220 V AC, 50 Hz, 3300 W
Temperature, amb.:	10-40°C (50-104°F)
Humidity:	10-90% relative, non-condensing
Heat dissipation:	11950 kJ/h (2850 kcal/h, 11200 BTU/h)
Mounting:	free standing (interfaces to system via a 12 m cable)

## DIMENSIONS (incl. forms stacker)

Height:	116.8 cm (46 in.)
Width:	123.2 cm (48.5 in.)
Depth:	123.2 cm (48.5 in.)
Weight:	431 kg (950 lb.)