

# CURTAIN DRAW MACHINE FLOOR MODEL



## PRODUCT INFORMATION

Innovation | Dedication | Reliability | Safety

### TIFFIN SCENIC CDMF

Tiffin Scenic curtain machines offer many different options for many different applications. All machines are offered with an optional brake motor or variable speed control box to provide instant stopping and/or adjustable speed in desired applications. Standard machines are equipped with a reversible magnetic starter, and a limit switch to control curtain position from fully open to fully closed. Standard control boxes are U.L. listed and equipped with a three button control switch, disconnect and circuit breaker.

### FEATURES

- **Cable Drum** Our belt driven cable drum (10 <sup>5</sup>/<sub>8</sub>" O.D. x 5" wide) allows 50' 0" maximum travel. For use with nylon coated-wire center rope. Please allow a distance of 10' 0" from live end sheave to assure proper drum winding.
- **Hand Crank** Supplied with all machines. For use only when cable tension guides are not installed.
- **Dimensions** All machine dimensions are 17 <sup>3</sup>/<sub>4</sub>" wide x 17" deep x 26 <sup>1</sup>/<sub>2</sub>" high without enclosure. See enclosure dimensions on next page.
- **Controls** Controls and starter boxes are U.L. listed. File No. E206934.

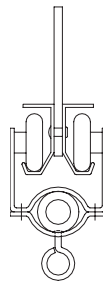


### Model CDMF3424

Shown with cable tensioning guides. Hand crank available with all machines, but for use only without cable tensioning guides

### RECOMMENDED CONTINENTAL TRACKS

(Compatible with other tracks. Call for information.)



Continental No. 60



Continental No. 68



Continental No. 101

CATALOG NO.	H.P.	TRAVEL (ft./min)	OUTPUT TORQUE (lb./in)	APPROX. SHIPPING WEIGHT (lbs.)
CDMF1318	1/3	86	448	105
CDMF1221	1/2	86	687	114
CDMF3424	3/4	86	1064	132
CDMF0124	1	86	1464	137

# PRODUCT INFORMATION CURTAIN DRAW MACHINE • FLOOR MODEL

## NOMENCLATURE

### Voltage codes

A	115V Single Phase
B	220V Single Phase
C	208V Three Phase
D	230V Three Phase

### Control options

L	Low Voltage – 24 volt A.C.
V	Variable Speed
W	Wireless Remote*
X	Wireless Remote I.D. (up to 325 feet)

### Motor options

K	Brake Motor
---	-------------

\* Must be used with low voltage control option.

## NOMENCLATURE EXAMPLE

When ordering a  $\frac{3}{4}$  H.P. 115V single phase curtain machine with enclosure, low voltage control and cable tensioning guides your order sheet will be as follows:

	Qty.	Catalog No.
Machine Type:	1	CDMF3424-AL
Enclosure	1	CDMF-H

## ACCESSORIES (ORDER SEPARATELY)



### Cable Tension Guides

**Catalog No.:** CDMF-G  
8 Lbs. 4 oz. each  
3/16" x 2" flat steel designed to keep the cable tracked in the grooves of the drum. Available with all models.



### Remote

**Catalog No.:** CDM-R  
4.0 oz. each  
Stainless steel cover fits on to a standard 2" x 4" switch box. Comes complete with pushbutton switches and screws.  
**Dimensions:** 2 3/4" wide x 4 1/2" high.



### Enclosures

**Catalog No.:** CDMF-H  
25 Lbs. 0 oz. each  
20 Ga. Galvanized Steel construction.  
**Dimensions:** 19" wide x 19" deep x 28" high.

## SPECIFICATIONS FOR MODELS: CDMF0124 • CDMF3424 • CDMF1221 • CDMF1318

Automatic curtain draw machine shall incorporate a  $10 \frac{5}{8}$ " diameter helically scored drum, grooved for  $\frac{3}{16}$ " operating line. The drum shall turn at a rate of r.p.m. so the operating line travel speed is 86 ft./min. Connection from the drum shaft to the output shaft of the gear motor shall be made by a v-belt. Gear reducer and motor to be designed for continuous duty. The gear reducer to be one piece with NEMA C input flange for motor and made of fine grained cast steel for rigidity and alignment. Premium quality double lip oil seals installed throughout casting to extend gear reducer life and keep the oil from seeping out. A bronze alloy worm gear and a alloy steel input worm shaft shall revolve in a high capacity oil bath to enhance efficiency, reduce noise and create superior life. The gear motor shall be a totally enclosed fan cooled \_\_\_ h.p., \_\_\_ volt, \_\_\_\_\_ phase c-face, capacitor start motor (single phase only) installed to the gear reducer by a flexible coupling. An enclosed industrial control, starter and relay panel shall be U.L. listed and securely mounted to curtain machine frame and contain all necessary components required for reversing operation. Controls shall be fully automatic utilizing a reversing contactor with mechanical and electrical interlocks (constant speed only). A main disconnect switch shall be provided in the control, starter and relay cabinet with separate overload protection for motor and control circuit. The disconnect switch shall supply all power and control energy to system. An "open", "close" and "stop" push-button shall be located in the cabinet for local operation (remote control is optional). Each machine is to be equipped with a rotary cam limit switch driven by sprocket and chain from the shaft of the scored drum. Machines are to be internally wired to a labeled terminal strip properly enclosed and with the labeling corresponding to the wiring diagram supplied. Field wiring by others. Safety Guards shall be installed around v-belt and limit switch chain. Model \_\_\_\_\_ as fabricated by Tiffin Scenic Studios, Inc. Tiffin, Ohio.

Due to the ever changing market, Tiffin Scenic Studios, Inc. implements a continuing product development policy which can change all specifications without any notice. Users of Tiffin Scenic Studios, Inc. products are responsible for all application and suitability in which they are being used. It is the responsibility of the end user to ensure that all curtain machines are installed in accordance with all national, state and local codes and regulations.