

WESTINGHOUSE A.C. CAPACITORS
INERTHEN FILLED - TYPE FL

APPLICATION

Westinghouse Type FL Inerteen Capacitors for alternating current service are designed especially for industrial applications requiring small capacitors for phase shifting, power factor improvement, and radio interference suppression. They are particularly suitable for use with capacitor motors and luminous tube transformers, where the small size of the Inerteen capacitor allows the overall size of the apparatus to be kept at a minimum.

CONSTRUCTION

Type FL Capacitors are wound with high quality paper and aluminum foil which is vacuum dried and impregnated with Inerteen, the Westinghouse non-inflammable liquid dielectric. The working element is sealed in a strong terne plate box which is provided with adequately insulated outlet terminals. The standard ratings are equipped with terminals of the solder lug type and are given no finish other than the regular lead coated surface of the case. The capacitors can also be supplied with screw type terminals, and also can be given a durable and attractive grey enamel finish at a small price addition.

RATING

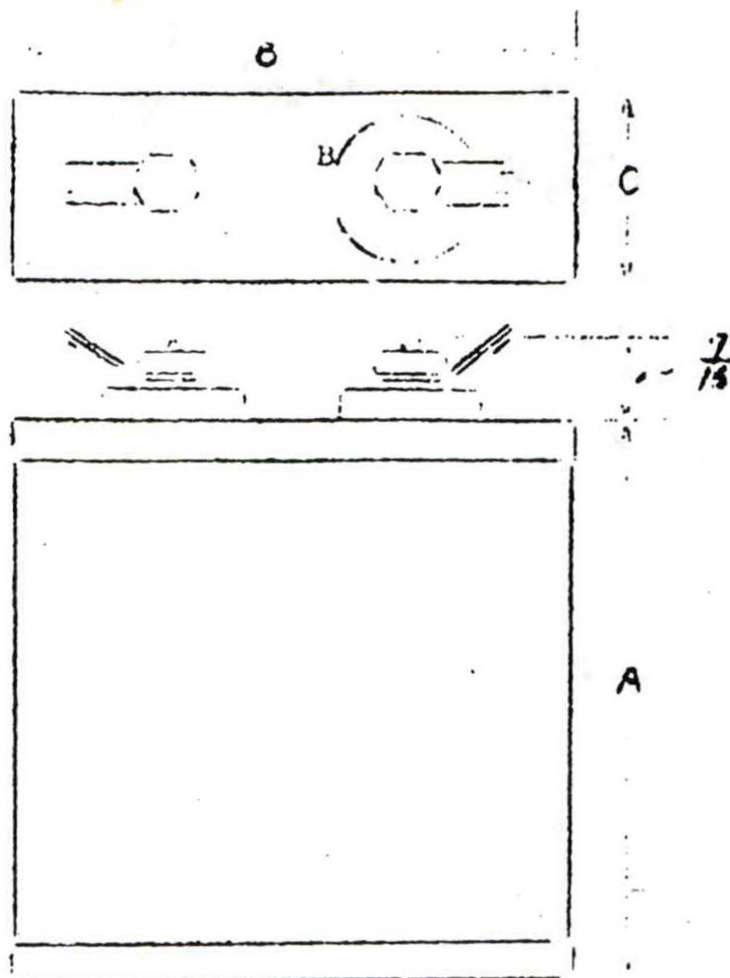
The capacitors are rated on the basis of 60 cycles but may be operated at any lower frequency. They may be operated at any voltage up to 10% over the normal rating continuously, and up to double voltage momentarily, for motor starting service. The normal microfarad tolerance is plus or minus 10% of the rated value.

NPC00016078

WESTINGHOUSE A. C. CAPACITORS
TYPE PL
Table of Standard Ratings

Mfd.	Rated 330 Volts- 60 cycles					Rated 440 Volts- 60 cycles					Rated 660 Volts- 60 cycles				
	Style No.	Dimensions A B C			Net Wt. Lb.	Style No.	Dimensions A B C			Net Wt. Lb.	Style No.	Dimensions A B C			Net Wt. Lb.
1	970640	1-3/4	1-3/4	1	5/16	970658	2-1/2	1-3/4	1	7/16	970671	3	3	1	3/4
2	970641	3	1-3/4	1	1/2	970659	3	3	1	3/4	970672	4-1/2	3	1	1
3	970642	3-3/4	1-3/4	1	5/8	970660	3	3	1-1/4	7/8	970673	4-1/2	3	1-1/4	1-1/4
3.75	970643	3	3	1	3/4										
4	970644	3	3	1	3/4	970661	4-1/2	3	1	1	970674	4-1/2	3	1-1/2	1-1/2
5	970645	3-3/4	3	1	7/8	970662	4-1/2	3	1-1/4	1-1/4	970675	4-1/2	3	2	2
6	970646	4-1/2	3	1	1	970663	4-1/2	3	1-1/2	1-1/2	970676	4-1/2	3	2-1/2	2-1/2
7	970647	3-3/4	3	1-1/2	1-1/8	970664	4-1/2	3	1-3/4	1-3/4	970677	4-1/2	3	3	2-7/8
7.5	970648	3-3/4	3	1-1/2	1-1/8										
8	970649	4-1/2	3	1-1/4	1-1/4	970665	4-1/2	3	2	2	970678	4-1/2	3	3	2-7/8
9	970650	4-1/2	3	1-1/2	1-1/2	970666	4-1/2	3	2-1/2	2-1/2	970679	4-1/2	3	3-1/2	3-1/4
10	970651	4-1/2	3	1-3/4	1-3/4	970667	4-1/2	3	2-1/2	2-1/2	970680	4-1/2	3	4-1/4	3-7/8
12	970652	4-1/2	3	2	2	970668	4-1/2	3	3	2-7/8	970681	5	4-9/16	3-5/16	4-3/4
15	970653	4-1/2	3	2-1/2	2-1/2	970669	4-1/2	3	3-1/2	3-1/4	970682	7	4-9/16	3-5/16	6-1/2
20	970654	4-1/2	3	3	2-7/8	970670	4-1/2	3	4-1/4	3-7/8					
25	970655	4-1/2	3	3-1/2	3-1/4										
30	970656	5	4-9/16	3-5/16	4-1/2										
37.5	1014185	5	4-9/16	3-5/16	4-1/2										
50	970657	7	4-9/16	3-5/16	6-1/4										

Dimensions in inches - Approximate



TYPE FL CAPACITOR OUTLINE

See Table for Dimensions

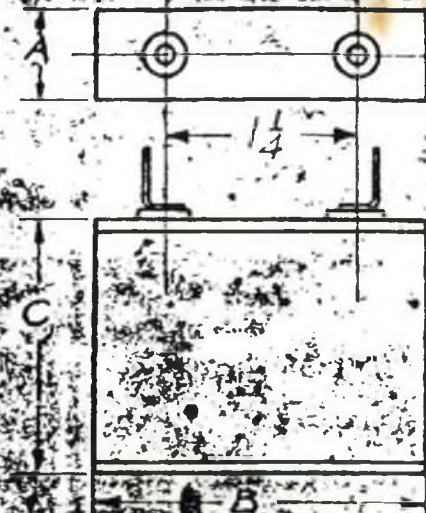
NPC00016080

207806

WESTINGHOUSE ELECTRIC & MFG. CO. EAST PITTSBURGH, PA.

TYPE AC CAPACITOR - STANDARD 25 HZ. 60 CYCLE RATINGS FOR 10

DIMENSIONS IN INCHES DWG. NO. 207807



SPECIFICATIONS.

1. HOUSING - .013 TK TINNED STEEL CASE, SOLDERED SEAMS.
2. TERMINALS - SOLDER LUGS ON FIBER INSULATOR.
3. INSULATION - INERTEEN TREATED PAPER (NON-FLAMMABLE)
4. CAPACITY TOLERANCE - $\pm 5\%$ OF RATING.
5. LOSSES - 5 WATTS PER KVA.
6. MAX. PERMISSIBLE OPERATING TEMPERATURE - 75°C .
7. FINISH - UNPAINTED.

NOTE: CAPACITORS CAN BE SUPPLIED WITH SCREW TERMINAL PORCELAIN TERMINAL BUSHINGS, CORROSION RESISTING, AND OR MOUNTING BRACKET AT INCREASED COST.

NOTE: REFER TO ENG. DEPT. FOR ACTUAL DIMENSIONS ON OUTLINE DRAWING.

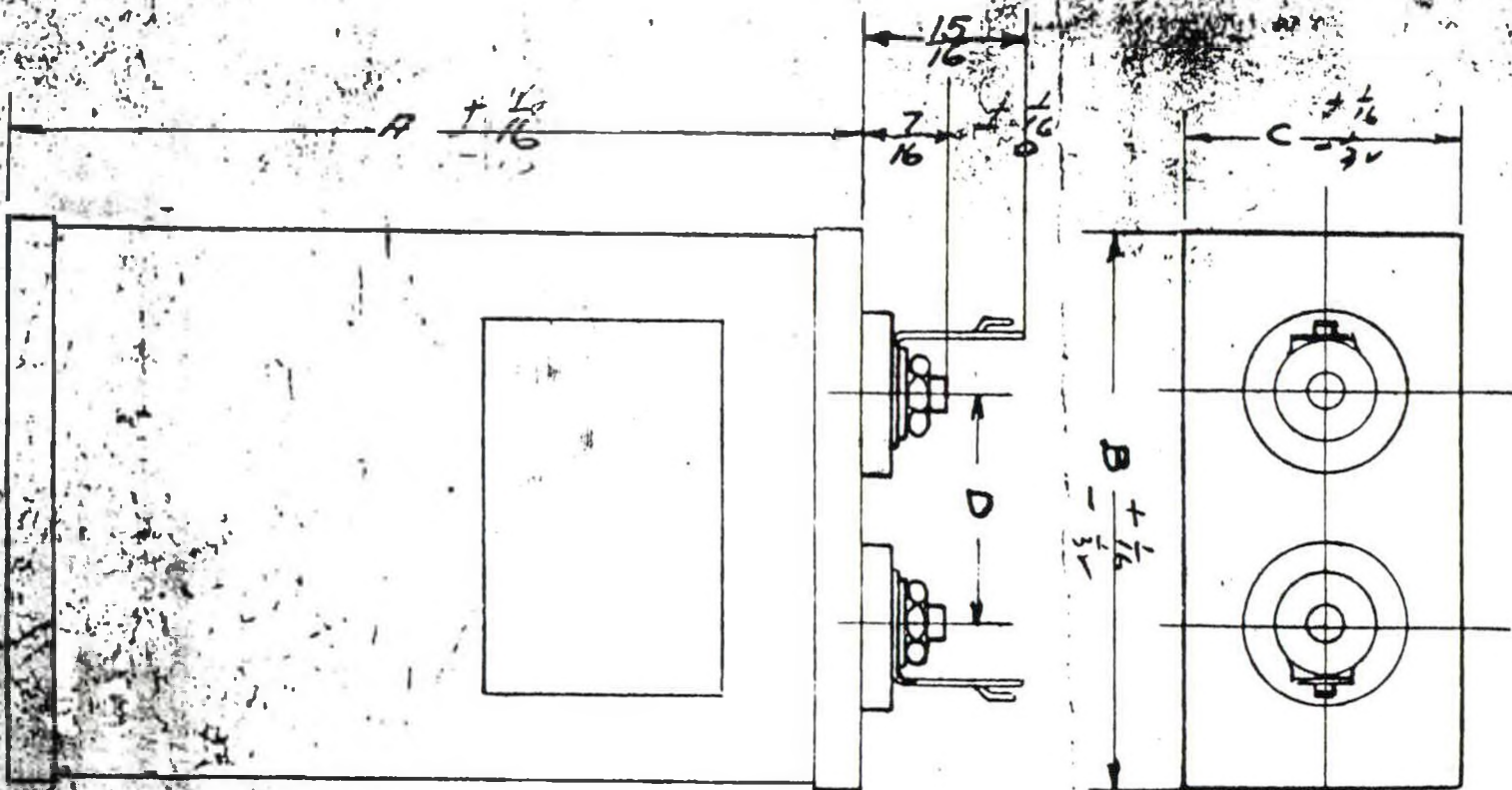
15 TO 350 VOLTS					375 TO 440 VOLTS					500 TO 550 VOLTS					660 VOLTS						
MF.	DIMENSIONS			LBS.		DIMENSIONS			LBS.		DIMENSIONS			LBS.		DIMENSIONS			LBS.		
	A	B	C			A	B	C			A	B	C			A	B	C			
1	1 1/2	2 1/2	3	1 1/2		7	3	3	1 1/2		1	3	3	1 1/2		1 1/2	3	3	1 1/2		
2	1	3	3	1 1/2		1	3	4 1/2	1 1/2		1	3	4 1/2	1 1/2		1	3	4 1/2	1 1/2		
3	1 1/4	3	4	1 1/2	3	1 1/2	3	4 1/2	1 1/2		1 1/4	3	4 1/2	1 1/2		1 1/2	3	4 1/2	1 1/2		
4	1	3	4 1/2	1 1/2		1 1/2	3	4 1/2	1 1/2		1 1/2	3	4 1/2	1 1/2		2 1/2	3	4 1/2	1 1/2		
5	1 1/4	3	4 1/2	1 1/2		2	3	4 1/2	2		2	3	4 1/2	2		3	3	4 1/2	2		
6	1 1/2	3	4 1/2	1 1/2		2 1/2	3	4 1/2	2 1/2		2 1/2	3	4 1/2	2 1/2		3 1/2	3	4 1/2	3 1/2		
6.6	1 1/2	3	4 1/2	1 1/2																	
7	1 1/4	3	4 1/2	1 1/2		2 1/2	3	4 1/2	2 1/2		3	3	4 1/2	3 1/8		4 1/2	3	4 1/2	3 1/8		
8	2	3	4 1/2	2		3	3	4 1/2	2 1/8		3	3	4 1/2	2 3/4		4 1/2	3	4 1/2	3 1/2		
9	2 1/2	3	4 1/2	2 1/2		3	3	4 1/2	2 1/8		3 1/2	3	4 1/2	3 1/4							
10	2 1/2	3	4 1/2	2 1/2		3 1/2	3	4 1/2	3 1/4		4 1/4	3	4 1/2	3 1/8							
11	3	3	4 1/2	2 1/8		4 1/2	3	4 1/2	3 1/8												
12	3	3	4 1/2	2 1/8		4 1/2	3	4 1/2	3 1/8												
13	3	3	4 1/2	3																	
14	3 1/2	3	4 1/2	3 1/2																	
15	3 1/2	3	4 1/2	3 1/2																	
18	4 1/2	3	4 1/2	3 1/2																	
20	4 1/2	3	4 1/2	3 1/2																	

NPC00016081

207807

TYPE "FL" CASE
OUTLINE

DWG. NO. 45-D-6



Assy	A	B	C	D
1	4香	3 $\frac{1}{2}$ 花	4香	1 $\frac{1}{2}$ 花
2	4香	3 $\frac{1}{2}$ 花	3 $\frac{1}{2}$ 花	1 $\frac{1}{2}$ 花
3	4香	3 $\frac{1}{2}$ 花	3 $\frac{1}{2}$ 花	1 $\frac{1}{2}$ 花
4	4香	3 $\frac{1}{2}$ 花	2 $\frac{1}{2}$ 花	1 $\frac{1}{2}$ 花
5	4香	3 $\frac{1}{2}$ 花	2 $\frac{1}{2}$ 花	1 $\frac{1}{2}$ 花
6	4香	3 $\frac{1}{2}$ 花	1 $\frac{1}{2}$ 花	1 $\frac{1}{2}$ 花
7	4香	3 $\frac{1}{2}$ 花	1 $\frac{1}{2}$ 花	1 $\frac{1}{2}$ 花
8	4香	3 $\frac{1}{2}$ 花	1 $\frac{1}{2}$ 花	1 $\frac{1}{2}$ 花
9	4香	3 $\frac{1}{2}$ 花	1 $\frac{1}{2}$ 花	1 $\frac{1}{2}$ 花
10	3 $\frac{1}{2}$ 香	3 $\frac{1}{2}$ 花	1 $\frac{1}{2}$ 花	1 $\frac{1}{2}$ 花
11	3 $\frac{1}{2}$ 香	2 $\frac{1}{2}$ 花	1 $\frac{1}{2}$ 花	1 $\frac{1}{2}$ 花
12	3 $\frac{1}{2}$ 香	2 $\frac{1}{2}$ 花	1 $\frac{1}{2}$ 花	1 $\frac{1}{2}$ 花
13	3 $\frac{1}{2}$ 香	3 $\frac{1}{2}$ 花	1 $\frac{1}{2}$ 花	1 $\frac{1}{2}$ 花
14	6香	3 $\frac{1}{2}$ 花	1 $\frac{1}{2}$ 花	1 $\frac{1}{2}$ 花
15	7 $\frac{1}{2}$ 香	6 $\frac{1}{2}$ 花	4 $\frac{1}{2}$ 花	3 $\frac{1}{4}$ 花

ALL DIMENSIONS MAX.

Oct 48

ASSE.
WAS
BROUG
DM
1/8 &
INCA
FOR

2

L4-22
1/935
ASSA

1381

3

9-11

4935
L.P.

1. DIM:

15.

14

12a

— 大々

NPCC0001608

UNIVERSITY