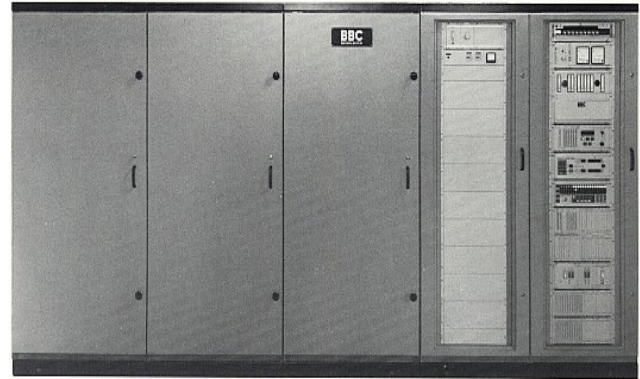


BBC Model SK 55 500 KW Transmitter Capacitor Replacement Guide

A newly developed 500 kW short-wave transmitter is the latest addition to BBC's family of modern transmitters. This new 500 kW short-wave transmitter keeps up the Brown Boveri tradition by setting new standards of efficiency, design and technology in this power class.



Introduction:

With the support of WHRA Greenbush, Maine and WSHB Pineland, South Carolina, Comet initiated a process to document the capacitors used in the BBC Model SK 55 Transmitters.

Scope:

Comet capacitors were standard equipment in the BBC Model SK55 transmitters.

Application:

WHRA and WSHB have been running with Comet capacitors for years. BBC used these same capacitors in production of the transmitters.

Responsibilities:

Since differences can occur over time in specific installations, it is always recommended to verify replacements in your application.

Recommended Capacitors

For 5.8 to 26 MHz version:

- CV03C-1000G/3
- CV3W-650FB/50
- CV2C-50E/40
- CV3W-1000JB/50
- CV3W-1300FB/50
- CF3C-25F/40
- CF3C-450F/50

Recommended Capacitors

For 3.9 to 26 MHz version:

- CV03C-1000G/3
- CV3W-650FB/50
- CV2C-50E/40
- CV3W-1300FB/50
- CV3W-1600EB/40
- CF3C-25F/40
- CF3C-450F/50

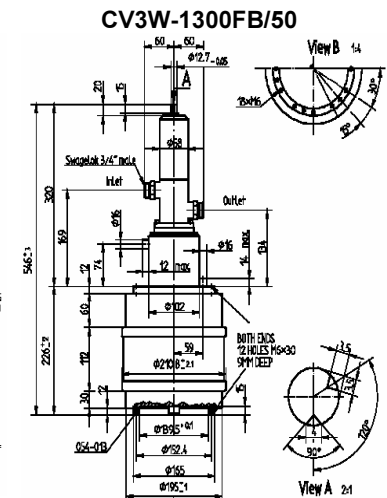
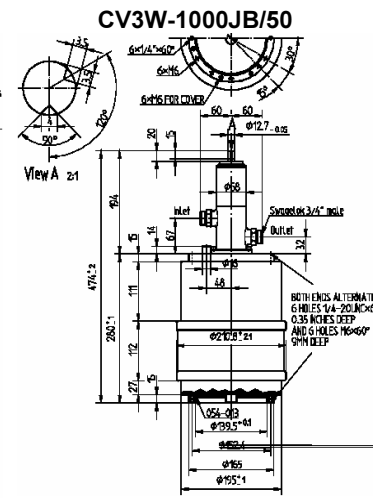
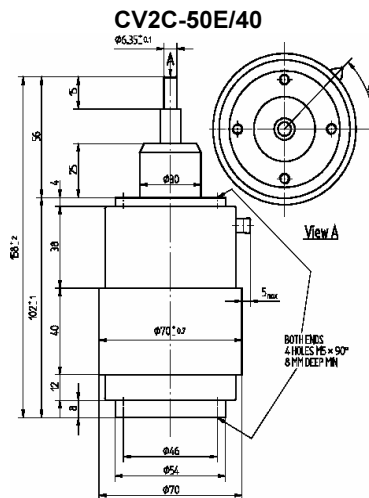
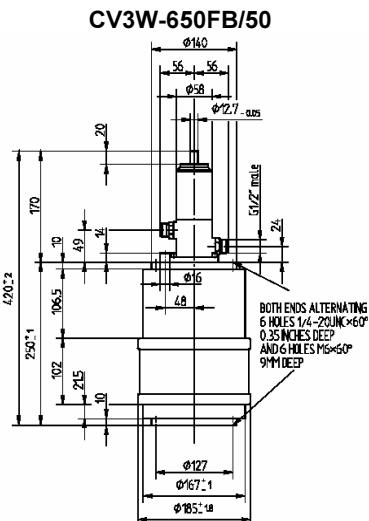
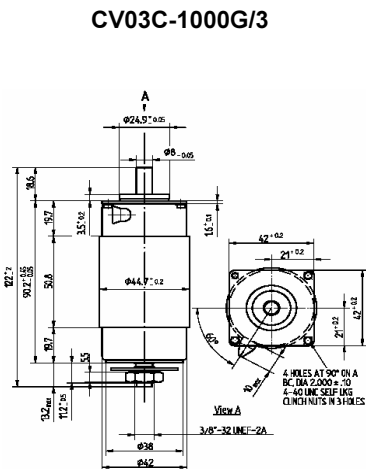
Similar Transmitters:

This same transmitter is also known as ABB (Asea Brown Boveri), Thomcast and Thales transmitter. Please check with Comet if you have any questions.

BBC Model SK 55 Transmitter

5.8 MHz to 26 MHz version of the transmitter

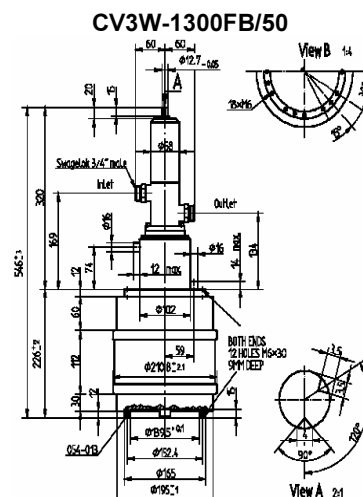
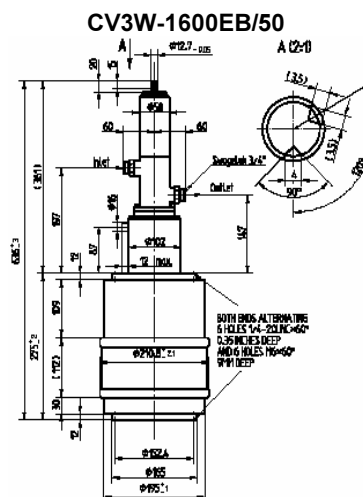
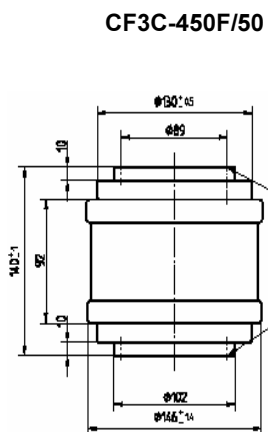
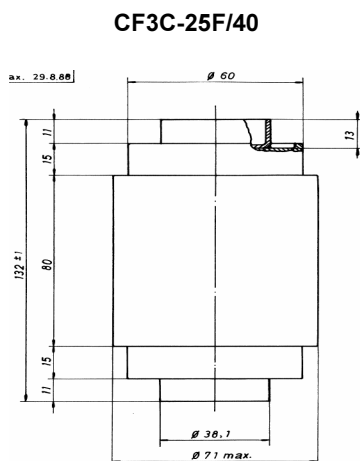
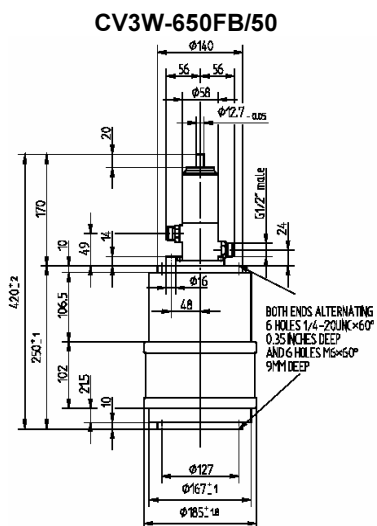
Manufacturer Description	Replacement Capacitor	Original Capacitor	Additional parts or changes required
MP 1 Position – Tank Circuit (HEKT-438171)		CV03C-1000G/3	None
MP 2 Position – Tank Circuit (HENS-426400)		CV3W-650FB/50	None
MP 3 Position – Neutralizing Capacitor (HEKT-439581)		CV2C-50E/40	None
MP 5 Position – Output Network C251 (HENS-435137)		CV3W-1000JB/50	None
MP 7 Position – Output Network C261 (HENS-435137)		CV3W-1000JB/50	None
MP 7 Position – Output Network C262 (HENS-435137)		CV3W-1000JB/50	None
MP 9 Position – Output Network C271 (HENS-435138)		CV3W-1300FB/50	None
MP 11 Position – Output Network C275 (HENS-435137)		CV3W-1000JB/50	None
MS 25 Position – Output Network (HEKT-441566)		CF3C-25F/40	None
TCI 50 to 300 ohm Balun (HENS-419270)		CF3C-450F/50	None



BBC Model SK 55 Transmitter

3.9 MHz to 26 MHz version of the transmitter

Manufacturer Description	Replacement Capacitor	Original Capacitor	Additional parts or changes required
MP 1 Position – Tank Circuit (HEKT-438171)		CV03C-1000G/3	None
MP 2 Position – Tank Circuit (HENS-426400)		CV3W-650FB/50	None
MP 3 Position – Neutralizing Capacitor (HEKT-439581)		CV2C-50E/40	None
MP 5 Position – Output Network C251 (HENS-435138)		CV3W-1300FB/50	None
MP 7 Position – Output Network C261 (HENS-435138)		CV3W-1300FB/50	None
MP 7 Position – Output Network C262 (HENS-435138)		CV3W-1300FB/50	None
MP 9 Position – Output Network C271 (HENS-435350)		CV3W-1600EB/40	None
MP 9 Position – Output Network C273 (HENS-435350)		CV3W-1600EB/40	None
MP 11 Position – Output Network C275 (HENS-435138)		CV3W-1300FB/50	None
MP 11 Position – Output Network C277 (HENS-435138)		CV3W-1300FB/50	None
MS 25 Position – Output Network (HEKT-441566)		CF3C-25F/40	None
TCI 50 to 300 ohm Balun (HENS-419270)		CF3C-450F/50	None



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