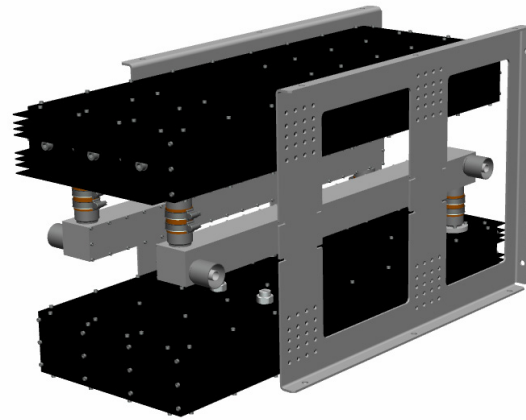


# FM Constant Impedance Combiner

5 kW, 3 Pole

BAND II

10 year GUARANTEE

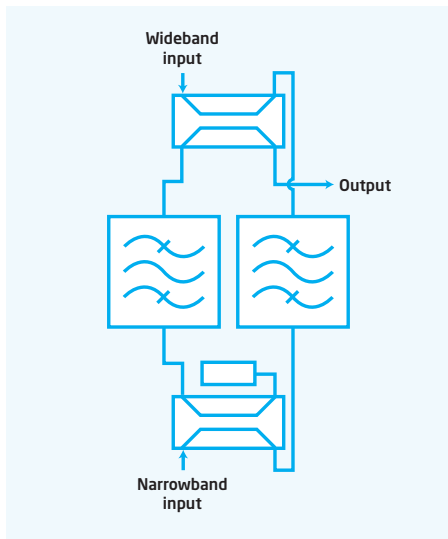


## PRODUCT FEATURES

- Flexible modular design
- Easy to place – mount on ceiling or floor
- Low insertion loss
- Retunable
- 10-year comprehensive warranty

## PRODUCT PROFILE

These balanced FM combiners employing broad-band hybrids and FM tunable filters enable the combining of FM transmitters from 2.5 kW to 10 kW. Dry reject loads and a stackable frame design allows broadcasters to make the best use of available floor space and still produce systems of world-beating flexibility and value.



Data in tables is typical. The combiner can be tuned for other specifications or bandwidths, please contact us for a specification designed for your requirements.

All average power values and technical data refer to an ambient temperature of +20-25 °C with normal air flow. The product will have a maximum surface temperature of +70 °C. Maximum power capacity may be lower depending on channel allocation.

ARTICLE	CI23C11A-0PAA111	CI23C11B-0PAA111
FREQUENCY	87 - 108 MHz	87 - 108 MHz
IMPEDANCE	50 Ohm	50 Ohm

NARROWBAND INPUT		
MAXIMUM INPUT POWER	5 kW	2.5 kW
INPUT VSWR	<1.07 (>30 dB)	<1.07 (>30 dB)
STANDARD INPUT CONNECTOR	1 5/8" unflange	1 5/8" unflange
OPTIONAL INPUT CONNECTORS	7/8" flange or 7/16 f/m	7/8" flange or 7/16 f/m
INSERTION LOSS		
Centre frequency	<0.4 dB	<1.0 dB
±200 kHz	<0.5 dB	<1.25 dB

WIDEBAND INPUT		
INPUT VSWR	<1.07 (>30 dB)	<1.07 (>30 dB)
STANDARD INPUT CONNECTOR	1 5/8" unflange	1 5/8" unflange
OPTIONAL INPUT CONNECTORS	7/8" flange or 7/16 f/m	7/8" flange or 7/16 f/m
INSERTION LOSS		
±1.0 MHz	–	<0.2 dB
±1.5 MHz	<0.4 dB	<0.1 dB
±3.0 MHz	<0.1 dB	<0.1 dB

ISOLATION AND CHANNEL SPACING		
NARROWBAND - WIDEBAND		
	>36 dB	>36 dB
WIDEBAND - NARROWBAND		
±1.0 MHz from narrowband Cf	–	>45 dB
±1.5 MHz from narrowband Cf	>40 dB	>55 dB
±3.0 MHz from narrowband Cf	>60 dB	>65 dB
MIN CHANNEL SPACING		
Lower spacing on request	1.5 MHz	1.0 MHz

OUTPUT		
MAXIMUM OUTPUT POWER	10 kW	10 kW
STANDARD OUTPUT CONNECTOR	1 5/8" unflange	1 5/8" unflange
OPTIONAL OUTPUT CONNECTORS	7/8" flange or 7/16 f/m	7/8" flange or 7/16 f/m

DIMENSIONS AND WEIGHT		
DIMENSIONS		
L x W x H	519 x 384 x 992 mm (20 x 15 x 39 in)	519 x 384 x 992 mm (20 x 15 x 39 in)
WEIGHT		
	~50 kg (110 lb)	~50 kg (110 lb)
		Sharp tuned and temperature compensated