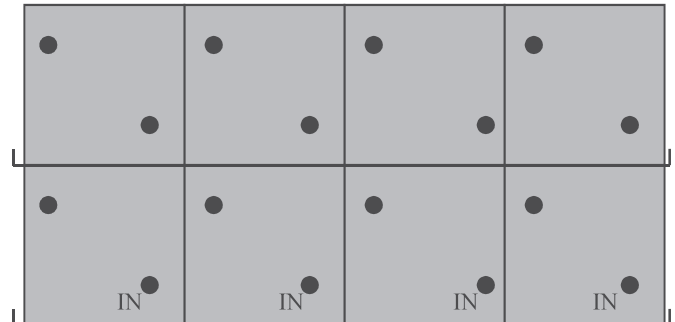


## STAR COMBINER

### 120 VHF double cavity

Combiners allow several radio channels to operate at one site using a common antenna. The MCPS 120 V double cavity star combiners are composed by two 120mm cavities and a star connection combining from 2 to 8 channels in the VHF range. Two cavities are connected in series to improve selectivity. The input and output loops can be adjusted for the optimum combination of selectivity and insertion loss. Four cavities can be placed in a standard 3 unit 19" cabinet.



MCPS120-V/4-4

#### Electrical Specifications

Frequency band:	112 - 156 MHz
Impedance:	50 Ω
Input Power	100W CW
Insertion loss:	Adjustable 2 ÷ 4.5 dB

#### Mechanical Specifications

Connector Type:	N Female
Dimensions:	19" rack, 3HU, depth 728 mm
Operating temp.:	-10°C to +55°C
Tuning method:	Rotary knob, telescopic movement

Combiners	Channels	Cabinet 3HU	Total height HU	Attenuation dB ±500 kHz at 127.5 MHz
MCPS120-V/2-2	2	1	3	≥ 25
MCPS120-V/3-3	3	2	6	≥ 25
MCPS120-V/4-4	4	2	6	≥ 25
MCPS120-V/5-5	5	3	9	≥ 25
MCPS120-V/6-6	6	3	9	≥ 25
MCPS120-V/7-7	7	4	12	≥ 25
MCPS120-V/8-8	8	4	12	≥ 25

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