

# Combiners VHF

## STAR 165 single cavity

Combiners are a vital system component for improving the quality of ATC radio communications. They are used to allow several radio channels to operate at the same site using a common antenna thus saving installation space. Their high power rating make them ideal for working with AM transmitters with high peak power. The combiner can be adjusted to obtain the optimum combination of selectivity and insertion loss. The combiners can be supplied with or without external isolators. The Star Combiners are installed in one or more 4 units 19" standard cabinets.

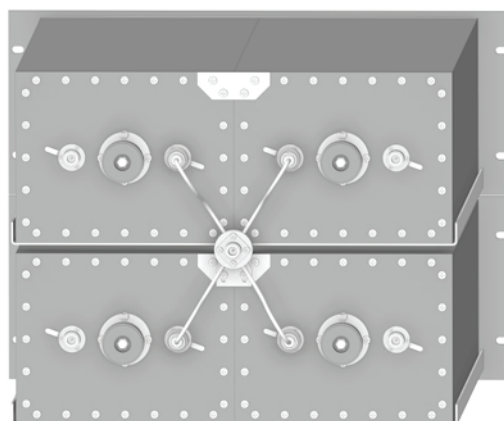
### Electrical Specifications

Frequency band:	118 - 156 MHz
Impedance:	50 $\Omega$
Input Power:	100W CW
Insertion loss:	Adjustable 1 ÷ 3.5 dB

### Mechanical Specifications

Connector Type:	N Female
Dimensions:	19" rack, 4HU, depth 670 mm
Operating temp.:	-10°C to +55°C
Tuning method:	Rotary knob, telescopic movement

Combiners	Channels	Cabinet 4HU	Total height HU	Attenuation dB $\pm 500$ kHz at 127.5 MHz
MCPS165-V/2 F06VR165M2SSxxxx	2	1	4	$\geq 15$
MCPS165-V/3 F06VR165M3SSxxxx	3	2	8	$\geq 15$
MCPS165-V/4 F06VR165M4SSxxxx	4	2	8	$\geq 15$
MCPS165-V/5 F06VR165M5SSxxxx	5	3	12	$\geq 15$
MCPS165-V/6 F06VR165M6SSxxxx	6	3	12	$\geq 15$



MCPS165-V/4