

# R 2400-...

## Shrouded Yagi Antennas for the 2400 MHz Band



### DESCRIPTION:

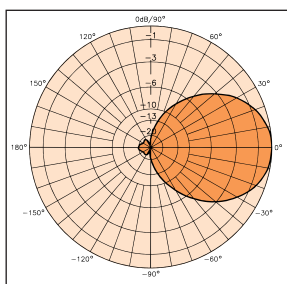
- ★ Series of three shrouded yagi antennas with 6–15 dBd gain.
- ★ Covers the frequency range 2300–2500 MHz.
- ★ Can be used for both vertical and horizontal polarisation.
- ★ H-plane beam widths 24° to 80° and E-plane beam widths 23° to 60° depending on model.
- ★ Ideal for fixed links and point-to-multipoint applications.
- ★ A sturdy glass reinforced plastic shroud ensures effective protection against the weather.
- ★ All metal parts are DC grounded for noise reduction and lightning protection.
- ★ Materials carefully chosen for minimum electrolytic corrosion and intermodulation.
- ★ Supplied with fixed Norstell clamp (48.5 mm dia.)
- ★ Reliable and robust design for optimum performance and long lifetime.



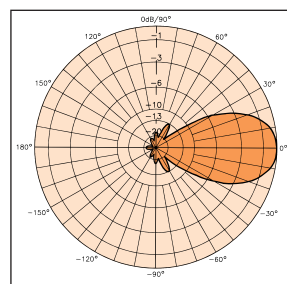
### GENERAL SPECIFICATIONS:

MODEL	R 2400-6	R 2400-11	R 2400-15
ANTENNA TYPE	Shrouded yagi antenna		
FREQUENCY	2300–2500 MHz		
GAIN	8 dBi 6 dBd	13 dBi 11 dBd	17 dBi 15 dBd
H-PLANE BEAM WIDTH (-3 dB points)	80°	43°	24–30°
E-PLANE BEAM WIDTH (-3 dB points)	60°	40°	23–27°
MAXIMUM POWER	150 watt		

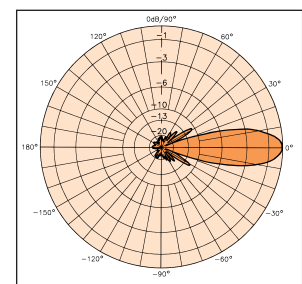
### TYPICAL RADIATION PATTERN (H-PLANE):



Outer ring: 6 dBd

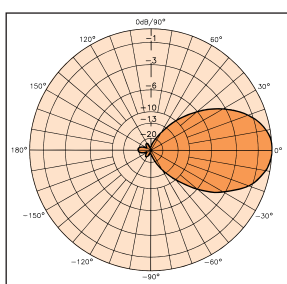


Outer ring: 11 dBd

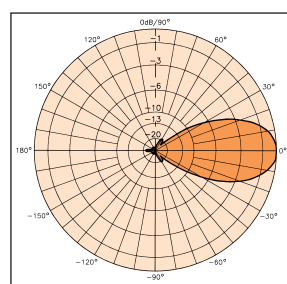


Outer ring: 15 dBd

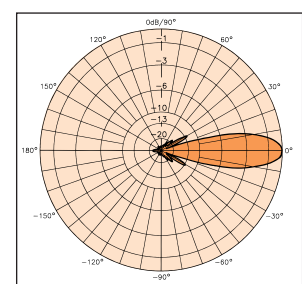
### TYPICAL RADIATION PATTERN (E-PLANE):



Outer ring: 6 dBd



Outer ring: 11 dBd



Outer ring: 15 dBd

PROCOM A/S reserve the right to amend specifications without prior notice.

# R 2400-...

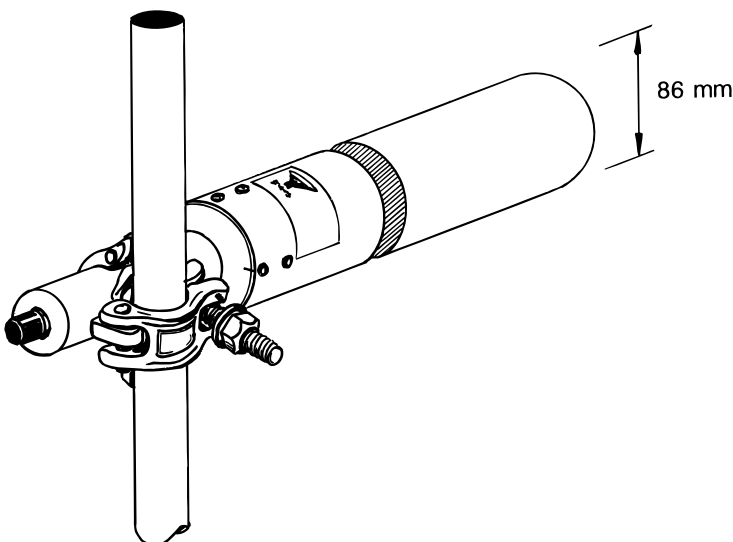
Shrouded Yagi Antennas for the 2400 MHz Band



## SPECIFICATIONS:

MODEL	R 2400-6	R 2400-11	R 2400-15
<b>ELECTRICAL</b>			
ANTENNA TYPE	Shrouded yagi		
FREQUENCY	2300–2500 MHz		
IMPEDANCE	Nom. 50 Ω		
POLARISATION	Vertical or horizontal		
GAIN	8 dBi 6 dBd	13 dBi 11 dBd	17 dBi 15 dBd
H-PLANE BEAM WIDTH (-3 dB points)	80°	43°	24–30°
E-PLANE BEAM WIDTH (-3 dB points)	60°	40°	23–27°
FRONT TO BACK RATIO	> 20 dB	> 20 dB	20 dB
BANDWIDTH	200 MHz		
SWR	< 1.5:1		
MAXIMUM POWER	150 watt		
ANTISTATIC PROTECTION	All metal parts DC-grounded		
<b>MECHANICAL</b>			
CONNECTOR	"N" type female		
WIND LOAD (at 150 km/h)	30 N	55 N	80 N
COLOUR	Grey		
SHROUD	86 mm dia. glass fibre tube		
DIMENSIONS/LENGTH	420 mm	620 mm	1000 mm
WEIGHT	1.6 kg	1.8 kg	2.1 kg
MOUNTING	Supplied with fixed Norstell clamp (48.5 mm dia.) for mounting on 45–50 mm mast tubes		

## MOUNTING OUTLINE:

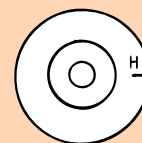


MAST DIAMETER: 45 - 50 mm

### POLARISATION:

The orientation of the polarisation is indicated on the back side of the antenna.

**HORIZONTAL POLARISATION:**  
Mount the antenna with the letter H on the rear oriented horizontally.  
REAR VIEW:



**VERTICAL POLARISATION:**  
Mount the antenna with the letter H on the rear oriented vertically.  
REAR VIEW:

