

# COLU-120/8

## COLLINEAR FIXED ANTENNA OMNIDIRECTIONAL UHF STACKED

Stacked omnidirectional collinear with 13 dBi gain for UHF band.

Made of aluminum, this antenna is suitable for repeater stations.

It has a low radiation angle, ensuring excellent coverage on uneven terrain.

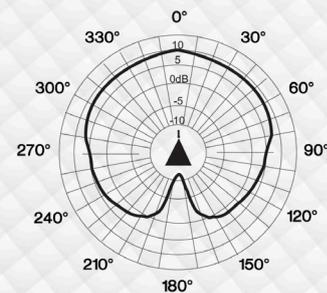
Due to its technical characteristics, this antenna is especially suitable for high-traffic radio communication systems.

Partnumber	Model	Range
502216	COLU-120/8	400 / 430 MHz

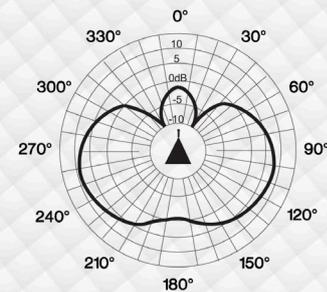
ELECTRICAL SPECIFICATIONS	
VSWR	≤ 1,5 : 1
Polarization	Vertical
Nominal impedance	50 Ω
Maximum power	350 Watts
1/2 power angle	Horizontal 390 MHz 180°
1/2 power angle	Vertical 390 MHz 7°

MECHANICAL SPECIFICATIONS	
Gondola diameter	44,45 mm
Gondola length	5000 mm
Weight	12,800 Kg
Wind exposure area	0,8527 m <sup>2</sup>
Basic material	Aluminum
Connector	N female
Operational wind	≥ 110Km/h
Wind of survival	≥ 200Km/h

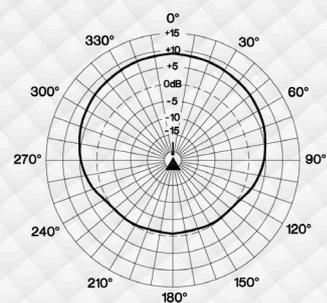
GAIN	SETTINGS
13 dBi	Omnidirectional dipoles
9 dBi	Bidirectional dipoles
13 dBi	Offset dipoles



Elements arranged for the tower



Elements positioned for tower



Antenna mounted on top of tower

