

# COLU-120/8 EA/B/EE

## COLLINEAR FIXED ANTENNA PILLED UP OMNIDIRECTIONAL WITH UHF SPLITTER 1:2

Omnidirectional collinear antenna pillared up for UHF range with 13 dBi gain.

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

It has a low irradiation angle, ensuring excellent coverage on rough terrain.

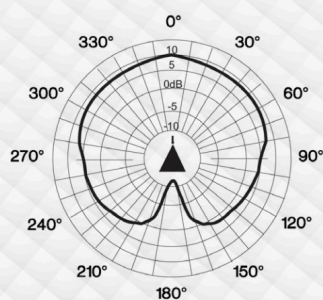
Due to its technical characteristics, this antenna is especially suitable for high traffic radio communication.

Partnumber	Model	Range
502220	COLU-120/8EA	420 / 450 MHz
502225	COLU-120/8B	450 / 470 MHz
502138	COLU-120/8EE	380 / 400 MHz

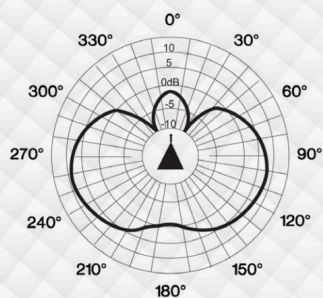
ELECTRICAL SPECIFICATIONS	
VSWR	$\leq 1,5 : 1$
Polarization	Vertical
Nominal impedance	50 $\Omega$
Maximum power	350 Watts
Angle of 1/2 power	Horizontal 390 MHz 180°
Angle of 1/2 power	Vertical 390 MHz 7°

MECHANICAL SPECIFICATIONS	
Gondola diameter	44,45 mm
Gondola length	5000 mm
Weight	12,800 Kg
Wind exposure area	0,8527 m <sup>2</sup>
Connector	N female
Basic material	Aluminum
Wind of operation	$\geq 110\text{Km/h}$
Wind of survival	$\geq 200\text{Km/h}$

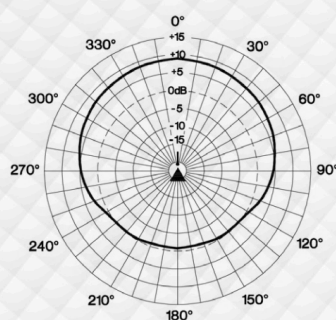
GAIN	SET UP DIPOLES POSITION
11,15 dBi	Omnidirectional dipoles
10 dBi	Bidirectional dipoles
14 dBi	Offset dipoles



Elements arranged for the tower



Elements positioned for tower



Antenna mounted on top of tower

