

# COLU-120/8EC

## FIXED COLLINEAR ANTENNA OMNIDIRECTIONAL STACKED WITH 1:2 UHF SPLITTER

Stacked omnidirectional collinear antenna with 13 dBi gain for the UHF band.

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

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

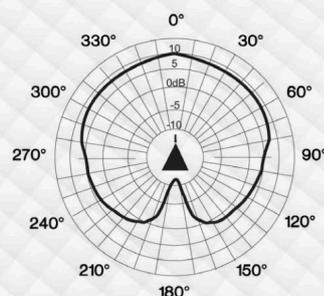
Due to its technical characteristics, this antenna is especially suitable for high-traffic radio communication systems.

Partnumber	Model	Range
502222	COLU-120/8EC	460 / 490 MHz

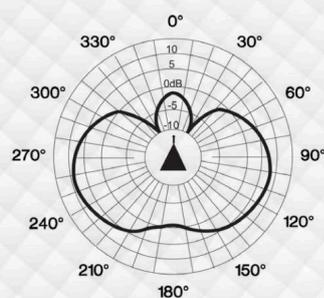
ELECTRICAL SPECIFICATIONS	
VSWR	≤ 1,5 : 1
Polarization	Vertical
Nominal impedance	50 Ω
Maximum power	300 Watts
Half-power angle	Plane H 475 MHz 170°
Half-power angle	Plane E 475 MHz 6°

MECHANICAL SPECIFICATIONS	
Gondola diameter	44,45 mm
Gondola length	4800 mm
Weight	10,800 Kg
Area exposed to wind	0,7011 m <sup>2</sup>
Connector	N female
Basic material	Aluminum
Operational wind	≥ 110Km/h
Survival wind	≥ 200Km/h

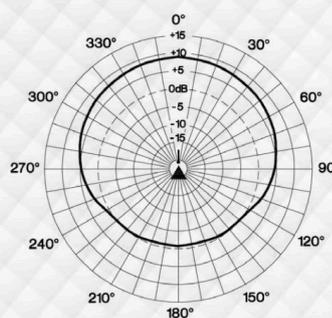
GAIN	SETTINGS
13 dBi	Omnidirectional dipoles
9 dBi	Bidirectional dipoles
13 dBi	Offset dipoles



Elements pointing outwards from the tower



Elements pointing towards the tower



Antenna mounted on top of the tower

