

COLU-120/8 EA/B/EE

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

Omnidirectional collinear antenna piled 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.

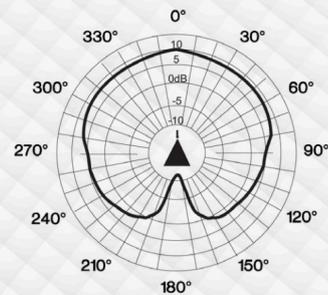
Due to its technical characteristics, this antenna is especially suitable for high traffic radio communication.

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

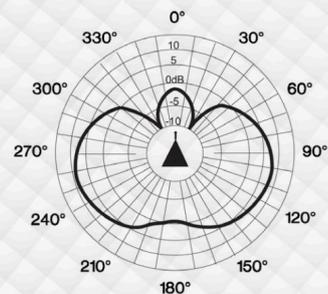
| ELECTRICAL SPECIFICATIONS | |
|---------------------------|-------------------------|
| VSWR | ≤ 1,5 : 1 |
| Polarization | Vertical |
| Nominal impedance | 50 Ω |
| Maximum power | 350 Watts |
| Angle of 1/2 power | Horizontal 390 MHz 180° |
| Angle of 1/2 power | Vertical 390 MHz 7° |

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

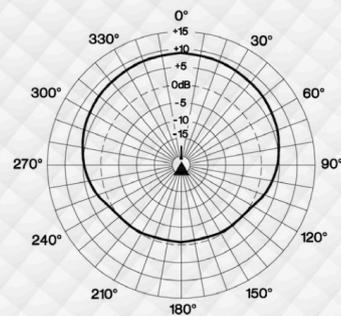
| GAIN | SET UP DIPOLES POSITION |
|-----------|-------------------------|
| 11,15 dBi | Omnidirectional dipoles |
| 10 dBi | Bidirectional dipoles |
| 14 dBi | Offset dipoles |



Elements arranged for the tower



Elements positioned for tower



Antenna mounted on top of tower

