

ACY7 NE20

DESCRIPTION

Extended network range and reliable high performance

The mast-mounted ACY7 directional antenna is designed for enhanced broadband directional RF radiation in the frequency range 380-470 MHz, with an antenna gain of 10 dBi.

It meets rigorous criteria for high performance and extended operating range in fixed wireless networks where outdoor antennas are required because of insufficient radio propagation.

Long service life is ensured by high-quality materials and a moulded watertight balun.

The Carant ACY series of outdoor mast-mounted antennas has been developed specifically for fixed wireless networks. ACY antennas have demonstrated outstanding performance and reliability worldwide, in commercial networks from leading international suppliers of telecommunications equipment.

Carant antennas support all major standards used in fixed wireless networks.



Benefits

- High gain for greater network operating range
- Consistent outstanding performance
- Resistant to extreme climatic conditions
- Long service life
- Robust design

TECHNICAL PARAMETERS

ELECTRICAL PARAMETERS

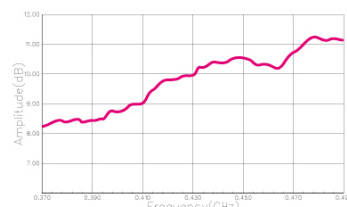
Type	Yagi
Category	Tetra, PMR
Frequency	380 - 470 MHz
Gain	10 dBi @ 430 MHz dBi
VSWR	<2:1
Impedance	50 Ω
Polarisation	V or H
Connector	N female
Maximum input power	15 W
Front-back ratio	>18 dB

MECHANICAL PARAMETERS

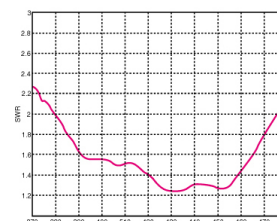
Beamwidth	70°
Support boom material	Aluminium alloy
Support boom size	20 x 20 mm
Element material	Aluminium alloy
Reflector	Galvanized steel grid
Clamp	Galvanized steel
Antenna dimension	755x420x410 mm
Antenna weight	>1030 g
Maximum wind speed	30 m/s
Ambient temperature	- 40 °C - +70 °C

SHIPPING DATA

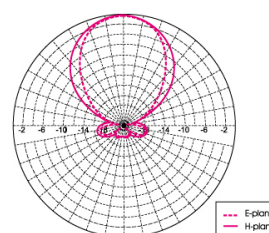
Package weight	1860 g
Package size	780x345x70 mm



Typical antenna gain



Typical VSWR diagram



Typical radiation pattern

tested according to standards: IEC68-2-1:Ad/Ad
IEC68-2-2:Bb/Bd
IEC68-2-14:Na
IEC68-2-56:Cb
IEC68-2-11:Ka