



## Technical data

# ANTENNA 13GHz 12M HIGH PERFORMANCE

Type: HAE1312\_00

## Short description

This new generation HAE-antenna with ETSI Class 3 radiation performance gives great efficiency and improved return loss in combination with reduced weight. The antenna can be mounted separately using LEAX Arkivator Telecom antenna mount. It can also be supplied in customized design, for example being adapted for direct mount on radio links. LEAX Arkivator Telecom antennas are all RoHs compliant.

## Electrical data

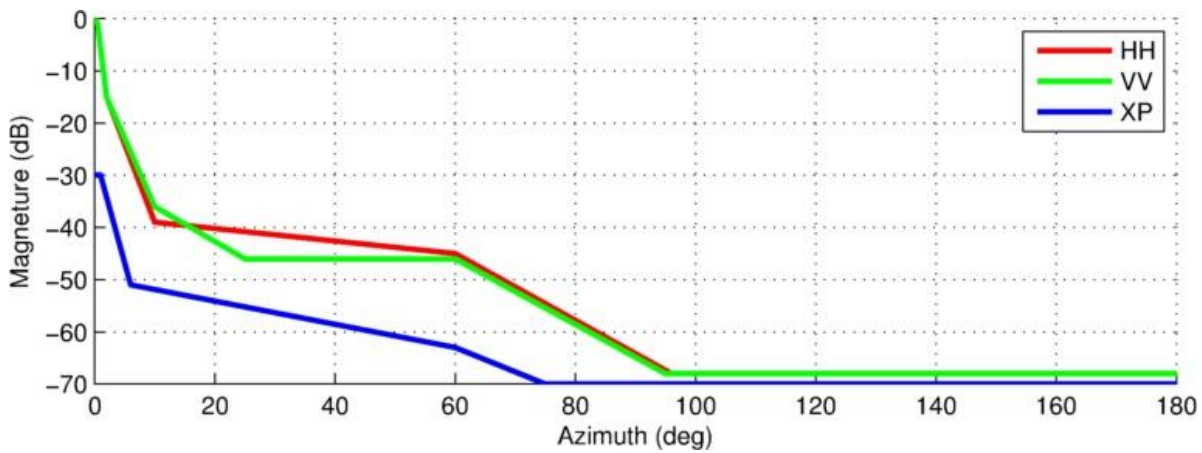
Frequency range	12.75 GHz – 13.25 GHz
Gain, low-band	42.6 dBi
Gain, mid-band	42.6 dBi
Gain, high-band	42.7 dBi
Half power beam width	1.3 deg
Cross-polar discrimination	30 dB
Front-to-back ratio	68 dB
VSWR/Return loss	1.3:1/17.7 dB
ETSI compliance	Class 3
Polarization	Vertical/Horizontal/Dual
Output flange	PBR140
Associated NSMA file	906-HAE1312-C.txt

## Mechanical data

Size	1.2 m
Depth	484 mm
Weight including mounting kit	20 kg
Shipping dimensions	1325 mm x 1475 mm x 500 mm
Shipping weight	36 kg
Radome	UV Stabilized PC
Antenna colour	Grey
Temperature, operational	-45 to +55 °C
Relative humidity	15 to 100%
Wind load, operational	50 m/s (180 km/h)
Wind load, survival	70 m/s (250 km/h)
Mounting pipe diameter	90 – 120 mm
Panning performance, in azimuth	±15°
Panning performance, in elevation	±15°
Ice load (900kg/ m <sup>3</sup> )	25mm

**RPE**

angle (°)	H-pol (dB)	angle (°)	V-pol (dB)	angle (°)	X-pol (dB)
0	0	0	0	0	-30
0.1	0	0.1	0	1	-30
0.2	-0.1	0.2	-0.1	6	-51
0.5	-1	0.5	-1	60	-63
2	-15	2	-15	75	-70
10	-39	10	-36	180	-70
60	-45	25	-46		
96	-68	60	-46		
180	-68	95	-68		
		180	-68		



**Drawing**

