

6 EL 2 and 6 EL 2-C

a VÄRGÅRDA antenna

144-146 MHz

Six-element 10 dB directional antenna including a balun consisting of high-quality teflon coaxial cable for the highest performance of band-width and matching.

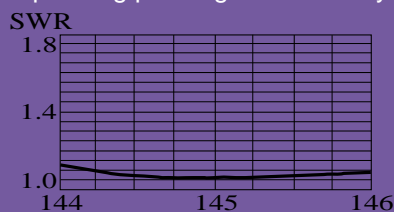
Connection of the feeding cable is made inside a special water proof connection box of poly-proponyle plastic. All inside connections are made resistant against humidity and the connection box has a drain for condensed water. To avoid losses and residual water, no coaxial connectors are used.

All screws, washers and nuts as well as the element-to-boom attachments are made in high quality non-corrossive steel. All aluminium parts are of highest quality and resistant against salt-water. All metal parts are DC-grounded.

For increased gain this antenna can be stacked and fed in phase using a corresponding stacking kit.

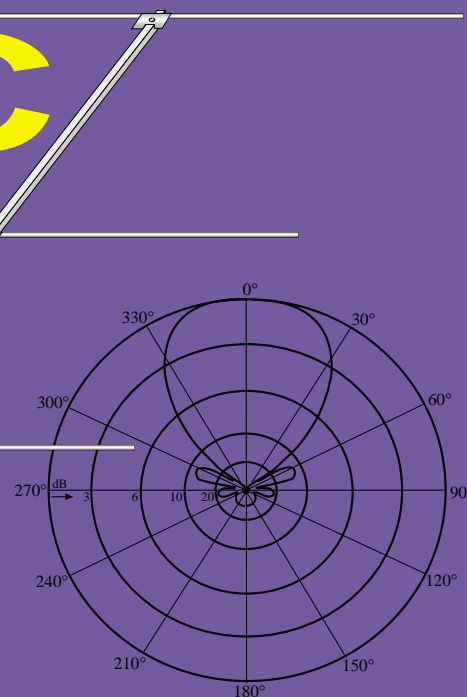
The antenna is supplied complete with boom clamp and can be mounted for horisontal polarisation or vertical if using a horisontaly positioned mast tubing.

The 6EL2-C model is delivered with a 45° angle boom clamp. Two of this C-model may be arranged to give high performance of circular polarisation used with the corresponding phasing cable kit '2by6EL2-C'.



Available phasing cables for stacking of this antenna in an array. Delivered complete with connection box and de-isolated ends:

- 2 by 6EL2** for 2 pcs of antennas
- 4 by 6EL2** for 4 pcs of antennas
- 8 by 6EL2** for 8 pcs of antennas
- 2 by 6EL2-C** for 2 pcs 45°-antennas



<i>Model name</i>	6EL2
<i>Type of antenna</i>	6 element Yagi
<i>Frequency</i>	144-146 MHz
<i>Impedance</i>	unbal. 50 Ω
<i>Polarisation</i>	horisontal (vert.;using hor. tubing)
<i>Gain</i>	10 dBd
<i>Front to back ratio</i>	18 dB
<i>Half power</i>	46 ° (E-plane)
<i>Beam width</i>	55 ° (H-plane)
<i>Band width</i>	4 MHz
<i>SWR</i>	< 1:1,3
<i>Maximum power</i>	500W (1kW SSB)
<i>Connection type</i>	inside box (no coaxial connector)
<i>Boom type</i>	sq. profile 18x18 mm with support boom
<i>Boom length</i>	2,25 m
<i>Wind load</i>	98 N (at 150km/h)
<i>Area</i>	0,073 sq. m
<i>Weight</i>	1,45 kg
<i>Antenna to mast mount type</i>	centered on boom with support boom
<i>Mast diameter</i>	38-65 mm

Your antenna dealer:

Made in Sweden by:

VÄRGÅRDA RADIO AB

PO Box 27, SE-447 21 Vårgårda, Sweden